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 01.09.2016
Date of Reporting : 02.09.2016

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
42210	941	43150	50.02	38387	254	38642	50.14	938.7	9.37

* 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	47.52	11.86		59.38	108.15	107.51	-0.64	166.89	0.00
Haryana	6.95	0.86		7.81	124.14	122.17	-1.97	129.99	0.00
Rajasthan	64.51	7.33	6.65	78.49	69.57	72.10	2.53	150.59	0.26
Delhi	13.43			13.43	78.45	78.27	-0.19	91.69	0.01
UP	137.34	23.27		160.60	134.77	134.52	-0.24	295.13	0.00
Uttarakhand		20.37		23.73	13.36	14.75	1.39	38.48	0.00
HP		25.33		25.33	-2.94	-1.28	1.66	24.05	0.00
J & K		21.91	0.00	21.91	16.45	14.51	-1.94	36.42	9.11
Chandigarh				0.00	5.97	5.50	-0.47	5.50	0.00
Total	**269.75**	**110.92**	**6.65**	**390.68**	**547.93**	**548.06**	**0.13**	**938.74**	9.37

* 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	6527	0	75	735	6388	0	-21	705	7782	17:00	0
Haryana	6482	0	-203	2019	5468	0	235	2279	7074	21:00	0
Rajasthan	7128	141	227	388	6278	0	31	423	7206	21:00	93
Delhi	4321	6	36	631	3446	12	-68	358	4323	17:00	0
UP	12668	320	262	519	13423	0	-67	866	14636	24:00	0
Uttarakhand	1786	0	81	-129	1403	0	2	-147	1786	20:00	0
HP	1154	0	158	-1754	817	0	67	-1721	1154	20:00	0
J&K	1895	474	-37	-563	969	242	-154	-1047	1899	21:00	475
Chandigarh	250	0	-44	-20	194	0	-3	0	270	16:00	0
Total	**42210**	**941**	**555**	**1827**	**38387**	**254**	**22**	**1716**	**42723**	**21:00**	**668**

* 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 :

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	1680	1725	1610	37.50	1562	38.07	-0.57
	Rihand I STPS (2*500)	1000	943	935	683	19.22	801	19.68	-0.46
	Rihand II STPS (2*500)	1000	963	916	678	18.54	773	18.77	-0.23
	Rihand III STPS (2*500)	1000	963	958	705	19.32	805	20.01	-0.69
	Dadri I STPS (4*210)	840	815	279	266	6.79	283	6.94	-0.15
	Dadri II STPS (2*490)	980	960	774	641	16.41	684	17.10	-0.69
	Unchahar I TPS (2*210)	420	350	311	256	5.92	247	6.19	-0.27
	Unchahar II TPS (2*210)	420	400	340	267	6.04	252	6.92	-0.87
	Unchahar III TPS (1*210)	210	200	181	127	3.10	129	3.52	-0.42
	ISTPP (Jhajjhar) (3*500)	1500	1425	411	333	7.09	295	7.30	-0.21
	Dadri GPS (4*130.19+2*154.51)	830	796	397	341	6.53	272	6.80	-0.27
	Anta GPS (3*88.71+1*153.2)	419	416	249	195	4.87	203	4.91	-0.05
	Auraiya GPS (4*111.19+2*109.30)	663	623	204	206	4.68	195	4.83	-0.15
	Dadri Solar(5)	5	1	0	0	0.01	0	0.02	0.00
	Unchahar Solar(10)	10	1	0	0	0.00	0	0.03	-0.02
	Singrauli Solar(15)	15	1	0	0	0.00	0	0.03	-0.03
	KHEP(4*200)	800	855	855	855	20.66	861	20.52	0.14
	Sub Total (A)	**12112**	**11392**	**8535**	**7163**	**177**	**7362**	**182**	**-4.95**
B. NPC	NAPS (2*220)	440	190	214	214	4.46	186	4.56	-0.10
	RAPS- B (2*220)	440	367	420	423	9.03	376	8.81	0.22
	RAPS- C (2*220)	440	390	439	439	9.37	390	9.36	0.01
	Sub Total (B)	**1320**	**947**	**1073**	**1076**	**22.86**	**952**	**22.73**	**0.13**
C. NHPC	Chamera I HPS (3*180)	540	540	545	545	13.15	548	12.96	0.19
	Chamera II HPS (3*100)	300	301	310	305	7.25	302	7.22	0.03
	Chamera III HPS (3*77)	231	223	224	228	4.98	207	5.01	-0.03
	Bairasuil HPS(3*60)	180	179	185	60	3.67	153	3.62	0.05
	Salal-HPS (6*115)	690	665	678	678	16.33	681	15.96	0.37
	Tanakpur-HPS (3*31.4)	94	93	94	96	2.28	95	2.23	0.05
	Uri-I HPS (4*120)	480	445	466	459	10.89	454	10.68	0.21
	Uri-II HPS (4*60)	240	236	241	241	5.68	236	5.66	0.01
	Dhauliganga-HPS (4*70)	280	210	208	213	5.04	210	5.04	0.00
	Dulhasti-HPS (3*130)	390	383	394	391	9.23	385	9.18	0.05
	Sewa-II HPS (3*40)	120	119	128	121	2.98	124	2.87	0.12
	Parbati 3 (4*130)	520	390	388	0	4.04	168	4.00	0.04
	Sub Total (C)	**4065**	**3784**	**3861**	**3338**	**86**	**3563**	**84**	**1.09**
D.SJVNL	NJPC (6*250)	1500	1605	1597	1610	38.38	1599	38.52	-0.14
	Rampur HEP (6*68.67)	412	442	446	448	10.68	445	10.61	0.08
	Sub Total (D)	**1912**	**2047**	**2043**	**2058**	**49.06**	**2044**	**49.13**	**-0.06**
E. THDC	Tehri HPS (4*250)	1000	1071	1051	0	9.64	402	9.53	0.11
	Koteshwar HPS (4*100)	400	135	390	91	3.14	131	3.14	0.01
	Sub Total (E)	**1400**	**1206**	**1441**	**91**	**12.78**	**533**	**12.67**	**0.12**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	617	1014	474	14.71	613	14.81	-0.11
	Dehar HPS (6*165)	990	599	825	560	14.41	601	14.38	0.03
	Pong HPS (6*66)	396	18	66	0	0.38	16	0.43	-0.05
	Sub Total (F)	**2765**	**1234**	**1905**	**1034**	**29.50**	**1229**	**29.62**	**-0.12**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	202	184	4.37	182	4.28	0.09
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	850	22.68	945	22.93	-0.25
	Malana Stg-II HPS (2*50)	100	0	101	110	2.48	103	2.35	0.14
	Shree Cement TPS (2*150)	300	0	186	149	4.22	176	4.20	0.02
	Budhil HPS(IPP) (2*35)	70	0	70	75	1.46	61	1.75	-0.29
	Sub Total (G)	**1662**	**0**	**1658**	**1367**	**35.22**	**1467**	**35.51**	**-0.30**
H. Total Regional Entities (A-G)		**25237**	**20610**	**20517**	**16126**	**411.62**	**17151**	**415.72**	**-4.10**

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	0	0	-0.12	-5
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.05	-2
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.11	-4
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1020	1320	29.51	1230
	Talwandi Saboo (3*660)	1980	616	470	18.31	763
	Thermal (Total)	**6560**	**1636**	**1790**	**47.52**	**1980**
	Total Hydro	1000	515	525	11.86	494
	Total Punjab	**7560**	**2151**	**2315**	**59.38**	**2474**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	263	0	3.10	129
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	182	162	3.85	160
	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	0	0	0.00	0
	Thermal (Total)	**4497**	**445**	**162**	**6.95**	**290**
	Total Hydro	62	35	33	0.86	36
	Total Haryana	**4559**	**480**	**195**	**7.81**	**326**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	308	302	7.46	311
	suratgarh TPS (6*250)	1500	0	0	0.00	0
	Chabra TPS (4*250)	1000	418	368	10.66	444
	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	147	143	3.31	138
	RAPS A (NPC) (1*100+1*200)	300	165	163	4.14	172
	Barsingsar (NLC) (2*125)	250	223	225	5.33	222
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	365	519	10.50	438
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	0	0	0.00	0
	Kawai(Adani) (2*660)	1320	1183	957	23.11	963
	Thermal (Total)	**8876**	**2809**	**2677**	**65**	**2688**
	Total Hydro	550	363	281	7.33	305
	Wind power	3214	371	277	6.10	254
	Biomass	99	23	23	0.55	23
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	394	300	6.65	277
	Total Rajasthan	**13469**	**3566**	**3258**	**78.49**	**3271**
UP	Anpara TPS (3*210+2*500)	1630	1053	1079	24.56	1023
	Obra TPS (2*50+2*94+5*200)	1194	338	320	7.90	329
	Paricha TPS (2*110+2*220+2*250)	1160	644	668	16.10	671
	Panki TPS (2*105)	210	126	131	3.10	129
	Harduaganj TPS (1*60+1*105+2*250)	665	375	512	9.60	400
	Tanda TPS (NTPC) (4*110)	440	276	386	7.68	320
	Roza TPS (IPP) (4*300)	1200	749	1078	20.69	862
	Anpara-C (IPP) (2*600)	1200	630	999	16.56	690
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	283	6.58	274
	Anpara-D(2*500)	1000	230	239	4.31	180
	Lalitpur TPS(3*660)	1980	351	360	8.60	359
	Bara(2*660)	1320	453	360	10.46	436
	Thermal (Total)	**12449**	**5508**	**6415**	**136**	**5672**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436
	Alaknanada(4*82.5)	330	337	338	8.05	335
	Other Hydro	527	252	179	4.75	198
	Cogeneration	981	50	50	1.20	50
	Total UP	**14727**	**6582**	**7417**	**161**	**6692**
Uttarakhand	Total Hydro	1398	829	859	20.37	849
	Total Gas	225	141	144	3.36	140
	Total Uttarakhand	**1623**	**970**	**1003**	**24**	**989**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.26	-11
	Delhi Gas Turbine (6x30 + 3x34)	282	37	37	0.87	36
	Pragati Gas Turbine (2x104+ 1x122)	330	150	152	3.69	154
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	-5	249	2.11	88
	Badarpur TPS (NTPC) (3*95+2*210)	705	333	309	7.02	293
	Thermal (Total)	2917	515	747	13.43	559
	Total Delhi	**2917**	**515**	**747**	**13.43**	**559**
HP	Baspa HPS (IPP) (3*100)	300	334	314	7.60	317
	Malana HPS (IPP) (2*43)	86	91	101	2.34	97
	Other Hydro	878	677	637	15.39	641
	Total HP	**1264**	**1102**	**1052**	**25.33**	**1055**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	730	730	17.53	731
	Other Hydro/IPP	560	181	185	4.38	182
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**911**	**915**	**21.91**	913
Total State Control Area Generation		**47619**	**16277**	**16902**	**390.68**	**16278**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7531.81**	**6113.02**	**154.76**	**6448**
Total Regional Availability(Gross)		**72856**	**44325**	**39141**	**957.06**	**39878**

IV. Total Hydro Generation:

Regional Entities Hydro		**12234**	**11508**	**8519**	**227.05**	**9461**
State Control Area Hydro		**7106**	**4920**	**4761**	**110.92**	**4762**
Total Regional Hydro		**19340**	**16428**	**13280**	**337.98**	**14222**

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)	-400	-100	0	500	0.00	6.80	-6.80
765 KV Gwalior-Agra (D/C)	2637	1800	2851	0	50.22	0.00	50.22
400 KV Zerda-Kankroli	156	-28	161	94	0.22	0.00	0.22
400 KV Zerda-Bhinmal	194	-26	215	143	0.72	0.00	0.72
220 KV Auraiya-Malanpur	-35	-30	0	36	0.00	0.47	-0.47
220 KV Badod-Kota/Morak	120	75	132	-14	1.78	0.00	1.78
Mundra-Mohindergarh(HVDC Bipole)	2203	1999	2204	0.00	45.51	0.00	45.51
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1106	765	1160	0	21.95	0.00	21.95
Sub Total WR	**5981**	**4455**			**120.39**	**7.27**	**113.11**
Pusauli Bypass/HVDC	250	250	250	0	6.09	0.00	6.09
400 KV MZP- GKP (D/C)	324	514	734	0	13.11	0.00	13.11
400 KV Patna-Balia(D/C) X 2	237	220	371	0	6.86	0.00	6.86
400 KV B'Sharif-Balia (D/C)	36	60	180	0	2.32	0.00	2.32
765 KV Gaya-Balia	0	208	299	0	1.10	0.00	1.10
765 KV Gaya-Varanasi (D/C)	432	266	564	0	8.90	0.00	8.90
220 KV Pusauli-Sahupuri	183	211	222	0	4.51	0.00	4.51
132 KV K'nasa-Sahupuri	-32	-28	0	38	0.00	0.52	-0.52
132 KV Son Ngr-Rihand	-18	-36	0	36	0.00	0.60	-0.60
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-278	-302	0	323	0.00	5.65	-5.65
400 KV Barh -GKP (D/C)	324	252	324	0	5.70	0.00	5.70
400 kV B'Sharif - Varanasi (D/C)	93	43	68	136	0.00	0.55	-0.55
Sub Total ER	**1551**	**1658**			**48.59**	**7.32**	**41.27**
+/- 800 KV BiswanathCharialli-Agra	0	0	700	0.00	0.38	0.00	0.38
Sub Total NER	**0**	**0**			**0.38**	**0.00**	**0.38**
Total IR Exch	**7532**	**6113**			**169.35**	**14.59**	**154.76**

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
31.43	3.73	35.16	26.68	16.94	-16.28	-1.10	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
45.56	105.48	151.04	41.64	113.11	154.76	-3.92	7.64	3.71

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	27	12	0	32	0	1	-0.57

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	0.23	3.38	29.03	61.68	26.27	8.73	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	4.02	49.76	18.12	50.03	0.040	0.058	50.20	0.00	38.32

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	414	7:35	406	0:40	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	7:53	399	0:23	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	7:54	390	0:07	0.0	0.0	0.0	0.0	0.0
Kanpur	400	421	7:49	403	0:07	0.0	0.0	0.8	0.0	0.8
Dadri	400	419	6:03	401	19:34	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	426	6:01	406	19:34	0.0	0.0	36.6	0.0	36.6
Bawana	400	424	6:02	403	19:34	0.0	0.0	10.6	0.0	10.6
Bassi	400	424	3:59	399	19:34	0.0	0.0	19.3	0.0	19.3
Hissar	400	423	6:04	398	19:35	0.0	0.0	0.9	0.0	0.9
Moga	400	423	6:09	400	14:30	0.0	0.0	0.7	0.0	0.7
Abdullapur	400	423	6:05	399	19:41	0.0	0.0	0.8	0.0	0.8
Nalagarh	400	418	6:08	402	14:38	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	416	6:04	396	19:27	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	2:57	382	19:33	0.0	10.1	0.0	0.0	0.0
Amritsar	400	422	6:02	402	14:25	0.0	0.0	1.8	0.0	1.8
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	413	2:27	398	14:48	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	8:03	394	0:07	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	793	7:57	755	14:46	0.0	0.0	0.0	0.0	0.0
Balia	765	793	7:54	759	0:07	0.0	0.0	0.0	0.0	0.0
Moga	765	815	6:04	767	12:40	0.0	0.0	32.0	0.0	32.0
Agra	765	800	7:53	757	21:03	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	3:03	770	19:34	0.0	0.0	15.0	0.0	15.0
Unnao	765	780	7:55	746	0:21	0.0	0.0	0.0	0.0	0.0
Lucknow	765	795	7:55	760	0:20	0.0	0.0	0.0	0.0	0.0
Meerut	765	816	6:02	773	14:47	0.0	0.0	35.8	0.0	35.8
Jhatikara	765	807	6:03	767	19:34	0.0	0.0	6.4	0.0	6.4
Bareilly 765 kV	765	789	7:54	751	0:07	0.0	0.0	0.0	0.0	0.0
Anta	765	768	0:00	768	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	802	6:00	764	19:53	0.0	0.0	4.1	0.0	4.1

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	501.69	1166.44	511.27	1605.30	1133.35	445.08
Pong	426.72	384.05	417.41	768.49	422.72	1020.81	591.14	33.16
Tehri	829.79	740.04	819.45	0.00	817.90	962.25	458.32	214.00
Koteshwar	612.50	598.50	610.93	5.08	609.98	4.55	214.00	207.13
Chamera-I	760.00	748.75	753.72	0.00	0.00	0.00	329.92	356.31
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	521.49	6.42	519.43	13.29	333.24	244.72

*** 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	660	45	0	660	75	0	17.25	2.25	19.51
Delhi	634	-275	0	756	-125	0	17.26	-3.14	14.12
Haryana	1944	321	13	1684	321	14	42.28	7.05	49.33
HP	-941	-780	0	-849	-906	0	-20.40	-18.77	-39.17
J&K	-548	-499	0	-548	-15	0	-13.74	-4.29	-18.03
CHD	0	0	0	0	-20	0	0.36	-0.11	0.25
Rajasthan	-129	552	0	-129	517	0	-3.08	13.03	9.95
UP	866	0	0	519	0	0	12.83	1.57	14.40
Uttarakhand	-150	3	0	-150	21	0	-3.59	0.93	-2.66
Total	**2336**	**-634**	**13**	**1944**	**-130**	**14**	**49.16**	**-1.46**	**47.70**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	778	660	397	16	0	0
Delhi	805	634	88	-474	0	0
Haryana	2040	1602	359	-117	14	13
HP	-623	-1144	-628	-1000	0	0
J&K	-548	-618	0	-499	0	0
CHD	44	0	0	-20	0	0
Rajasthan	-129	-129	568	510	0	0
UP	891	339	393	0	0	0
Uttarakhand	-150	-150	101	-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	**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%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 01.09.2016 :

XV. Synchronisation of new generating units :
660 MW Bara unit 2 first time synchronised to grid at 17:00 hrs/01.09.2016

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.

Report for : 01.09.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER