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 11.10.2016
Date of Reporting : 12.10.2016

I. Regional Availability/Demand:

Evening Peak (19:00 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
40535	446	40981	50.05	38548	264	38812	50.13	911.2	8.68

* 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	52.44	12.50		65.21	69.05	69.90	0.84	135.10	0.00
Haryana	46.55	0.82		47.37	81.88	81.76	-0.12	129.13	0.00
Rajasthan	93.91	4.96	13.49	112.37	60.44	63.24	2.80	175.61	0.00
Delhi	18.57			18.57	62.16	60.87	-1.29	79.44	0.03
UP	163.91	17.64		181.55	120.22	117.96	-2.26	299.51	0.14
Uttarakhand		11.53		15.69	17.37	17.80	0.43	33.49	0.00
HP		9.85		9.85	11.00	11.38	0.38	21.23	0.00
J & K		11.36	0.00	11.36	27.84	22.65	-5.19	34.01	8.50
Chandigarh				0.00	4.17	3.69	-0.48	3.69	0.00
Total	**375.38**	**68.65**	**13.49**	**461.95**	**454.12**	**449.25**	**-4.88**	**911.19**	8.68

* 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 (19:00 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	5550	0	-203	210	5601	0	91	120	5981	20:00	0
Haryana	6400	0	-138	671	4695	0	130	637	6708	20:00	0
Rajasthan	7234	0	0	572	7467	0	224	614	7907	1:00	0
Delhi	3097	5	-267	-10	3672	0	-27	72	4091	1:00	0
UP	13851	0	-226	1248	13701	0	84	1388	14729	20:00	0
Uttarakhand	1552	0	17	203	1373	0	67	225	1552	19:00	0
HP	912	0	-148	-614	835	0	49	-109	1073	8:00	0
J&K	1763	441	-79	48	1057	264	-233	-52	1874	22:00	468
Chandigarh	176	0	-57	-15	146	0	-1	0	182	20:00	0
Total	**40535**	**446**	**-1102**	**2312**	**38548**	**264**	**384**	**2897**	**42479**	**20:00**	**405**

* 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	1671	1888	1740	37.58	1566	37.57	0.01
	Rihand I STPS (2*500)	1000	943	891	845	18.99	791	20.50	-1.51
	Rihand II STPS (2*500)	1000	943	735	828	19.31	805	19.90	-0.58
	Rihand III STPS (2*500)	1000	472	412	433	9.72	405	10.11	-0.39
	Dadri I STPS (4*210)	840	815	463	450	10.16	423	10.25	-0.08
	Dadri II STPS (2*490)	980	970	694	677	15.83	660	16.43	-0.60
	Unchahar I TPS (2*210)	420	153	119	128	2.83	118	2.99	-0.16
	Unchahar II TPS (2*210)	420	400	288	298	6.74	281	7.43	-0.70
	Unchahar III TPS (1*210)	210	200	128	129	3.18	133	3.56	-0.37
	ISTPP (Jhajjhar) (3*500)	1500	1425	503	501	10.89	454	11.31	-0.42
	Dadri GPS (4*130.19+2*154.51)	830	779	268	401	7.27	303	7.64	-0.37
	Anta GPS (3*88.71+1*153.2)	419	386	272	271	6.61	275	6.66	-0.05
	Auraiya GPS (4*111.19+2*109.30)	663	623	146	155	3.30	138	3.33	-0.02
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
	Singrauli Solar(15)	15	2	0	0	0.06	2	0.05	0.01
	KHEP(4*200)	800	858	859	0	5.84	243	5.50	0.34
	Sub Total (A)	**12112**	**10642**	**7666**	**6856**	**158**	**6599**	**163**	**-4.91**
B. NPC	NAPS (2*220)	440	189	189	189	4.54	189	4.54	0.00
	RAPS- B (2*220)	440	371	417	419	9.02	376	8.90	0.11
	RAPS- C (2*220)	440	0	0	0	-0.20	-8	0.00	-0.20
	Sub Total (B)	**1320**	**560**	**606**	**608**	**13.35**	**556**	**13.44**	**-0.09**
C. NHPC	Chamera I HPS (3*180)	540	540	549	0	3.13	130	3.00	0.13
	Chamera II HPS (3*100)	300	301	310	0	2.49	104	2.35	0.14
	Chamera III HPS (3*77)	231	221	227	0	1.47	61	1.38	0.08
	Bairasuil HPS(3*60)	180	179	182	0	1.05	44	1.02	0.03
	Salal-HPS (6*115)	690	274	450	204	6.81	284	6.59	0.22
	Tanakpur-HPS (3*31.4)	94	57	71	54	1.44	60	1.37	0.07
	Uri-I HPS (4*120)	480	112	81	71	2.91	121	2.70	0.21
	Uri-II HPS (4*60)	240	79	77	77	1.87	78	1.90	-0.03
	Dhauliganga-HPS (4*70)	280	280	279	0	2.17	91	2.08	0.09
	Dulhasti-HPS (3*130)	390	383	396	393	8.65	360	8.50	0.15
	Sewa-II HPS (3*40)	120	119	115	0	0.34	14	0.36	-0.03
	Parbati 3 (4*130)	520	390	395	0	1.07	44	1.04	0.03
	Sub Total (C)	**4065**	**2936**	**3133**	**799**	**33**	**1391**	**32**	**1.08**
D.SJVNL	NJPC (6*250)	1500	1605	1609	251	14.71	613	14.78	-0.07
	Rampur HEP (6*68.67)	412	422	447	74	4.23	176	4.12	0.11
	Sub Total (D)	**1912**	**2027**	**2056**	**325**	**18.94**	**789**	**18.90**	**0.04**
E. THDC	Tehri HPS (4*250)	1000	1071	1059	0	6.49	270	6.30	0.19
	Koteshwar HPS (4*100)	400	88	201	71	2.11	88	2.10	0.01
	Sub Total (E)	**1400**	**1159**	**1260**	**71**	**8.60**	**358**	**8.40**	**0.20**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	864	1073	667	20.87	870	20.74	0.13
	Dehar HPS (6*165)	990	270	660	165	6.63	276	6.48	0.15
	Pong HPS (6*66)	396	173	330	132	4.24	177	4.16	0.08
	Sub Total (F)	**2765**	**1308**	**2063**	**964**	**31.74**	**1323**	**31.38**	**0.36**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	102	0	0.96	40	0.92	0.04
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	825	180	8.08	337	8.06	0.03
	Malana Stg-II HPS (2*50)	100	0	91	22	0.58	24	0.59	-0.02
	Shree Cement TPS (2*150)	300	0	-1	-1	-0.05	-2	0.12	-0.17
	Budhil HPS(IPP) (2*35)	70	0	20	20	0.47	19	0.64	-0.17
	Sub Total (G)	**1662**	**0**	**1037**	**221**	**10.04**	**418**	**10.33**	**-0.29**
H. Total Regional Entities (A-G)		**25237**	**18631**	**17820**	**9843**	**274.41**	**11434**	**278.02**	**-3.61**

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	160	520	5.23	218
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.06	-2
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	202	207	4.48	187
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	660	920	21.47	895
	Talwandi Saboo (3*660)	1980	924	616	21.34	889
	Thermal (Total)	**6560**	**1946**	**2263**	52.44	**2185**
	Total Hydro	1000	498	590	12.50	521
	Wind Power	0	0	0	0.00	0
	Biomass	288	10	10	0.23	10
	Solar	560	2	2	0.04	2
	Renewable(Total)	**848**	**11**	**11**	**0.27**	**11**
	Total Punjab	**8408**	**2455**	**2864**	**65.21**	**2717**
Haryana	Panipat TPS (2*210+2*250)	920	737	742	17.59	733
	DCRTPP (Yamuna nagar) (2*300)	600	467	464	10.98	457
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	764	766	17.99	750
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**1968**	**1972**	**46.55**	**1940**
	Total Hydro	62	29	37	0.82	34
	Wind Power	0	0	0	0.00	0
	Biomass	40	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Renewable(Total)	**40**	**0**	**0**	**0.00**	**0**
	Total Haryana	**4599**	**1997**	**2009**	**47.37**	**1974**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	511	508	11.56	482
	suratgarh TPS (6*250)	1500	0	0	0.00	0
	Chabra TPS (4*250)	1000	733	746	18.22	759
	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	122	129	3.03	126
	RAPS A (NPC) (1*100+1*200)	300	167	168	4.18	174
	Barsingsar (NLC) (2*125)	250	226	208	4.98	208
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	513	819	16.20	675
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	407	9.75	406
	Kawai(Adani) (2*660)	1320	947	1088	25.99	1083
	Thermal (Total)	**8876**	**3628**	**4073**	**93.91**	**3913**
	Total Hydro	550	258	189	4.96	207
	Wind power	4017	188	451	9.86	411
	Biomass	99	25	25	0.59	25
	Solar	1295	0	0	3.04	127
	Renewable/Others (Total)	5411	213	476	13.49	562
	Total Rajasthan	**14837**	**4099**	**4738**	**112.37**	**4682**
UP	Anpara TPS (3*210+2*500)	1630	1051	1023	24.30	1013
	Obra TPS (2*50+2*94+5*200)	1194	257	261	6.30	263
	Paricha TPS (2*110+2*220+2*250)	1160	893	898	19.00	792
	Panki TPS (2*105)	210	144	131	3.30	138
	Harduaganj TPS (1*60+1*105+2*250)	665	423	528	10.70	446
	Tanda TPS (NTPC) (4*110)	440	368	380	8.71	363
	Roza TPS (IPP) (4*300)	1200	1073	1103	25.30	1054
	Anpara-C (IPP) (2*600)	1200	968	1071	23.30	971
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	404	404	8.30	346
	Anpara-D(2*500)	1000	766	743	19.40	808
	Lalitpur TPS(3*660)	1980	593	860	14.10	588
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**12449**	**6940**	**7402**	**162.71**	**6780**
	Vishnuparyag HPS (IPP)(4*110)	440	241	221	8.30	346
	Alaknanada(4*82.5)	330	165	163	3.30	138
	Other Hydro	527	241	264	6.04	252
	Cogeneration	981	50	50	1.20	50
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
	Solar	102	0	0	0.00	0
	Renewable(Total)	**128**	**0**	**0**	**0.00**	**0**
	Total UP	**14855**	**7637**	**8100**	**181.55**	**7565**
Uttarakhand	Other Hydro	1250	613	432	11.53	481
	Total Gas	225	170	174	4.09	170
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.07	3
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.07	3
	Total Uttarakhand	1802	783	606	15.69	654
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	75	76	1.86	77
	Pragati Gas Turbine (2x104+ 1x122)	330	146	152	3.67	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	251	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	331	6.99	291
	Thermal (Total)	**2917**	**797**	**810**	**18.57**	**774**
	Wind Power	0	0	0	0.00	0
	Biomass	16	0	0	0.00	0
	Solar	2	0	0	0.00	0
	Renewable(Total)	**18**	**0**	**0**	**0.00**	**0**
	Total Delhi	**2935**	**797**	**810**	**18.57**	**774**

HP	Baspa HPS (IPP) (3*100)	300	67	173	2.43	101
	Malana HPS (IPP) (2*43)	86	44	0	0.57	24
	Other Hydro	372	150	96	3.44	144
	Wind Power	0	0	0	0.00	0
	Biomass	0	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Small Hydro (< 25 MW)	486	144	137	3.40	142
	Renewable(Total)	**486**	**144**	**137**	**3.40**	**142**
	Total HP	**1244**	**405**	**406**	**9.85**	**410**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	291	410	8.59	358
	Other Hydro/IPP(including 98 MW Small Hydro)	308	138	93	2.77	115
	Gas/Diesel/Others	190	0	0	0.00	0
	Wind Power	0	0	0	0.00	0
	Biomass	0	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Small Hydro (< 25 MW)Included in Other Hydro Above	98	0	0	0.00	0
	Renewable(Total)	**98**	**0**	**0**	**0.00**	**0**
	Total J & K	**1398**	**429**	**503**	**11**	**473**
Total State Control Area Generation		**50078**	**18602**	**20036**	**461.95**	**19248**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7775**	**9934**	**200.12**	**8338**
Total Regional Availability(Gross)		**75315**	**44198**	**39813**	**936.47**	**39020**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10389**	**2360**	**108.11**	**4505**
State Control Area Hydro	**7163**	**3049**	**2979**	**68.65**	**3033**
Total Regional Hydro	**19397**	**13438**	**5339**	**176.76**	**7538**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**7356**	**368**	**625**	**17.24**	**718**
Total Regional Renewable	**7386**	**368**	**625**	**17.36**	**723**

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 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	-100	0	500	0.00	8.23	-8.23
765 KV Gwalior-Agra (D/C)	2230	2381	2734	0	48.37	0.00	48.37
400 KV Zerda-Kankroli	185	175	199	0	3.06	0.00	3.06
400 KV Zerda-Bhinmal	222	180	242	0	3.32	0.00	3.32
220 KV Auraiya-Malanpur	-56	-48	0	83	0.00	1.51	-1.51
220 KV Badod-Kota/Morak	117	175	117	0	3.45	0.00	3.45
Mundra-Mohindergarh(HVDC Bipole)	1503	2002	2005	0.00	40.00	0.00	40.00
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	953	1212	621	0	26.64	0.00	26.64
Sub Total WR	**4654**	**5977**			**124.84**	**9.74**	**115.10**
Pusauli Bypass/HVDC	90	90	90	0	1.95	0.00	1.95
400 KV MZP- GKP (D/C)	458	701	756	0	14.78	0.00	14.78
400 KV Patna-Balia(D/C) X 2	553	679	698	0	15.33	0.00	15.33
400 KV B'Sharif-Balia (D/C)	170	254	254	0	5.09	0.00	5.09
765 KV Gaya-Balia	311	378	378	0	6.79	0.00	6.79
765 KV Gaya-Varanasi (D/C)	567	728	752	0	15.17	0.00	15.17
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-28	-30	0	36	0.00	0.62	-0.62
132 KV Son Ngr-Rihand	-10	-32	0	36	0.00	0.43	-0.43
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-29	19	177	29	1.65	0.00	1.65
400 KV Barh -GKP (D/C)	418	460	468	0	9.38	0.00	9.38
400 kV B'Sharif - Varanasi (D/C)	121	210	251	0	4.82	0.00	4.82
Sub Total ER	**2621**	**3457**			**74.96**	**1.05**	**73.91**
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0.00	11.11	0.00	11.11
Sub Total NER	**500**	**500**			**11.11**	**0.00**	**11.11**
Total IR Exch	**7775**	**9934**			**210.91**	**10.79**	**200.12**

VI(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
39.66	3.33	42.99	16.17	6.87	15.33	10.65	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
74.49	115.44	189.93	85.02	115.10	200.12	10.53	-0.35	10.18

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	30	0	0	32	0	0	-0.15

VII. 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	0.95	31.66	71.06	24.05	4.03	0.15	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)	
50.22	18.02	49.85	7.20	50.02	0.029	0.050	50.20	50.04	28.94

VIII(A). 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	17:17	403	0:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	7:04	399	21:03	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	404	0:00	404	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	7:05	405	18:48	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	17:00	409	18:51	0.0	0.0	0.5	0.0	0.5
Ballabhgarh	400	426	7:04	413	18:37	0.0	0.0	46.0	0.0	46.0
Bawana	400	422	7:07	409	18:36	0.0	0.0	7.1	0.0	7.1
Bassi	400	422	17:32	404	18:38	0.0	0.0	0.8	0.0	0.8
Hissar	400	418	3:59	403	18:36	0.0	0.0	0.0	0.0	0.0
Moga	400	421	3:46	406	18:48	0.0	0.0	0.2	0.0	0.2
Abdullapur	400	429	2:55	412	18:35	0.0	0.0	63.8	0.0	63.8
Nalagarh	400	433	2:58	417	18:40	0.0	0.0	92.2	10.2	92.2
Kishenpur	400	425	2:49	401	18:48	0.0	0.0	18.2	0.0	18.2
Wagoora	400	417	2:56	377	18:49	1.7	14.5	0.0	0.0	1.7
Amritsar	400	431	2:56	419	0:24	0.0	0.0	24.9	0.4	24.9
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	429	4:02	416	10:36	0.0	0.0	52.0	0.0	52.0
Rishikesh	400	417	6:33	399	18:54	0.0	0.0	0.0	0.0	0.0

VIII(B). 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	783	7:10	746	21:03	0.0	0.0	0.0	0.0	0.0
Balia	765	790	7:04	759	20:35	0.0	0.0	0.0	0.0	0.0
Moga	765	801	4:01	775	18:49	0.0	0.0	0.3	0.0	0.3
Agra	765	798	7:09	764	18:49	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	4:00	780	18:36	0.0	0.0	12.2	0.0	12.2
Unnao	765	769	7:06	742	21:03	0.0	0.0	0.0	0.0	0.0
Lucknow	765	794	7:06	759	20:35	0.0	0.0	0.0	0.0	0.0
Meerut	765	773	0:00	773	0:00	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	784	0:00	784	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	798	7:09	760	18:47	0.0	0.0	0.0	0.0	0.0
Anta	765	794	17:31	776	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	801	17:32	773	18:36	0.0	0.0	0.8	0.0	0.8

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	501.63	1166.44	510.58	1575.10	351.07	654.71
Pong	426.72	384.05	415.94	718.14	420.14	889.22	99.36	255.62
Tehri	829.79	740.04	824.60	1099.39	820.60	1014.94	144.44	140.00
Koteshwar	612.50	598.50	609.11	4.16	610.98	4.95	140.00	139.64
Chamera-I	760.00	748.75	757.94	0.00	0.00	0.00	90.18	84.90
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	516.51	4.18	513.50	3.35	87.73	151.81

*** NA: Not Available**

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	120	0	0	210	0	0	4.77	-0.01	4.76
Delhi	16	56	0	53	-63	0	2.23	0.23	2.47
Haryana	467	170	0	497	175	0	12.13	4.28	16.41
HP	-54	-55	0	-108	-506	0	-2.16	-3.17	-5.33
J&K	-37	-15	0	-37	85	0	0.30	0.71	1.02
CHD	0	0	0	0	0	-15	0.00	0.28	0.28
Rajasthan	-5	619	0	-7	579	0	-0.13	14.24	14.11
UP	737	651	0	660	588	0	15.75	6.53	22.28
Uttarakhand	27	198	0	27	176	0	0.66	7.73	8.39
Total	**1272**	**1625**	**0**	**1295**	**1032**	**-15**	**33.56**	**30.83**	**64.39**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	386	118	3	-109	0	0
Delhi	198	16	235	-233	0	0
Haryana	682	292	271	-231	0	0
HP	-54	-108	192	-694	0	0
J&K	62	-37	233	-15	0	0
CHD	0	0	0	0	39	-30
Rajasthan	-5	-7	622	373	0	0
UP	826	575	882	0	0	0
Uttarakhand	27	27	623	129	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. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	2	21
Haryana	3	25
Rajasthan	1	13
Delhi	5	42
UP	3	31
Uttarakhand	5	33
HP	4	26
J & K	2	26
Chandigarh	1	15

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 11.10.2016 :
Normal

XVI. Synchronisation of new generating units :

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

XVIII. Tripping of lines in pooling stations :

XIX. 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 : 11.10.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER