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 18.10.2016
Date of Reporting : 19.10.2016

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
42701	863	43565	50.10	35693	284	35977	50.08	912.4	9.72

* 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	51.59	10.82		62.61	62.67	63.39	0.73	126.01	0.00
Haryana	37.46	0.80		38.26	98.85	97.07	-1.78	135.33	0.00
Rajasthan	111.48	2.19	17.83	131.49	63.85	65.45	1.59	196.94	1.05
Delhi	13.96			13.96	63.60	64.10	0.50	78.06	0.02
UP	162.52	15.32		177.84	99.07	98.95	-0.12	276.79	0.00
Uttarakhand		11.29		16.77	18.68	19.65	0.97	36.41	0.00
HP		9.90		9.90	15.36	14.45	-0.91	24.35	0.00
J & K		9.84	0.00	9.84	28.29	24.79	-3.50	34.63	8.66
Chandigarh				0.00	3.97	3.85	-0.13	3.85	0.00
Total	**377.01**	**60.14**	**17.83**	**460.66**	**454.34**	**451.70**	**-2.64**	**912.36**	9.72

* 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	6014	0	50	0	4420	0	154	0	6014	19:00	0
Haryana	7105	0	-122	650	4373	0	62	399	7122	20:00	0
Rajasthan	8571	0	-72	683	8248	0	89	680	9028	24:00	0
Delhi	3870	0	-14	106	2786	0	165	-115	3870	19:00	0
UP	12141	420	-373	4	12551	0	-42	840	12602	2:00	0
Uttarakhand	1838	0	126	194	1290	0	8	236	1838	19:00	0
HP	1187	0	-2	-288	773	0	3	81	1290	8:00	0
J&K	1774	443	19	310	1134	284	-118	61	2010	22:00	502
Chandigarh	201	0	-30	0	118	0	2	0	201	19:00	0
Total	**42701**	**863**	**-418**	**1658**	**35693**	**284**	**322**	**2183**	**42701**	**19:00**	**863**

* 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	1833	1975	2006	44.23	1843	43.63	0.61
	Rihand I STPS (2*500)	1000	943	1011	989	21.96	915	21.63	0.33
	Rihand II STPS (2*500)	1000	499	515	486	12.06	503	11.49	0.58
	Rihand III STPS (2*500)	1000	472	494	487	11.01	459	10.87	0.13
	Dadri I STPS (4*210)	840	815	268	288	7.06	294	7.23	-0.18
	Dadri II STPS (2*490)	980	970	660	657	16.75	698	17.90	-1.15
	Unchahar I TPS (2*210)	420	207	298	124	4.00	167	3.97	0.03
	Unchahar II TPS (2*210)	420	400	382	307	6.71	280	7.05	-0.34
	Unchahar III TPS (1*210)	210	200	180	146	3.35	140	3.54	-0.19
	ISTPP (Jhajjhar) (3*500)	1500	1425	333	329	7.38	307	7.60	-0.22
	Dadri GPS (4*130.19+2*154.51)	830	784	308	367	7.56	315	8.23	-0.67
	Anta GPS (3*88.71+1*153.2)	419	384	214	240	5.60	234	5.52	0.08
	Auraiya GPS (4*111.19+2*109.30)	663	623	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	2	0	0	0.01	0	0.05	-0.04
	KHEP(4*200)	800	850	860	0	7.76	323	7.36	0.39
	Sub Total (A)	**12112**	**10408**	**7498**	**6426**	**156**	**6479**	**156**	**-0.64**
B. NPC	NAPS (2*220)	440	188	215	215	4.60	192	4.51	0.09
	RAPS- B (2*220)	440	383	422	428	9.21	384	9.19	0.02
	RAPS- C (2*220)	440	0	0	0	-0.50	-21	0.00	-0.50
	Sub Total (B)	**1320**	**571**	**637**	**643**	**13.32**	**555**	**13.70**	**-0.39**
C. NHPC	Chamera I HPS (3*180)	540	540	547	0	2.18	91	2.00	0.18
	Chamera II HPS (3*100)	300	301	309	0	2.61	109	2.41	0.20
	Chamera III HPS (3*77)	231	231	226	0	1.55	64	1.40	0.15
	Bairasuil HPS(3*60)	180	179	179	0	0.88	37	0.81	0.07
	Salal-HPS (6*115)	690	204	253	210	5.46	228	4.89	0.57
	Tanakpur-HPS (3*31.4)	94	49	63	64	1.51	63	1.19	0.32
	Uri-I HPS (4*120)	480	87	232	33	2.46	103	2.08	0.38
	Uri-II HPS (4*60)	240	60	123	37	1.55	65	1.44	0.11
	Dhauliganga-HPS (4*70)	280	277	205	0	1.99	83	1.89	0.10
	Dulhasti-HPS (3*130)	390	383	393	272	7.75	323	7.50	0.25
	Sewa-II HPS (3*40)	120	119	118	0	0.34	14	0.36	-0.02
	Parbati 3 (4*130)	520	520	433	0	1.05	44	1.06	-0.01
	Sub Total (C)	**4065**	**2949**	**3081**	**617**	**29**	**1222**	**27**	**2.31**
D.SJVNL	NJPC (6*250)	1500	1605	1601	0	13.77	574	13.68	0.09
	Rampur HEP (6*68.67)	412	442	445	0	3.92	163	3.82	0.11
	Sub Total (D)	**1912**	**2047**	**2046**	**0**	**17.69**	**737**	**17.50**	**0.20**
E. THDC	Tehri HPS (4*250)	1000	1071	1076	0	5.59	233	5.40	0.19
	Koteshwar HPS (4*100)	400	75	101	66	1.82	76	1.80	0.02
	Sub Total (E)	**1400**	**1146**	**1177**	**66**	**7.41**	**309**	**7.20**	**0.21**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	736	1068	662	18.11	755	17.67	0.44
	Dehar HPS (6*165)	990	293	660	290	7.28	303	7.04	0.24
	Pong HPS (6*66)	396	161	330	66	3.90	163	3.86	0.05
	Sub Total (F)	**2765**	**1190**	**2058**	**1018**	**29.29**	**1221**	**28.56**	**0.73**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	101	0	0.90	38	0.82	0.08
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	900	180	7.18	299	7.08	0.10
	Malana Stg-II HPS (2*50)	100	0	96	0	0.72	30	0.69	0.03
	Shree Cement TPS (2*150)	300	0	-2	-4	-0.09	-4	0.00	-0.09
	Budhil HPS(IPP) (2*35)	70	0	24	25	0.42	18	0.41	0.01
	Sub Total (G)	**1662**	**0**	**1120**	**201**	**9.13**	**380**	**9.00**	**0.13**
H. Total Regional Entities (A-G)		**25237**	**18312**	**17616**	**8970**	**261.69**	**10904**	**259.15**	**2.54**

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	160	3.89	162
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.11	-5
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	920	28.42	1184
	Talwandi Saboo (3*660)	1980	828	616	19.44	810
	Thermal (Total)	**6560**	**2308**	**1696**	51.59	**2149**
	Total Hydro	1000	429	435	10.82	451
	Wind Power	0	0	0	0.00	0
	Biomass	288	6	6	0.13	6
	Solar	560	3	3	0.07	3
	Renewable(Total)	**848**	**8**	**8**	**0.20**	**8**
	Total Punjab	**8408**	**2745**	**2139**	**62.61**	**2609**
Haryana	Panipat TPS (2*210+2*250)	920	207	202	4.98	208
	DCRTPP (Yamuna nagar) (2*300)	600	556	469	11.79	491
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1106	763	20.69	862
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**1869**	**1434**	**37.46**	**1561**
	Total Hydro	62	29	32	0.80	33
	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**	**1898**	**1466**	**38.26**	**1594**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1094	1074	24.34	1014
	suratgarh TPS (6*250)	1500	618	418	11.14	464
	Chabra TPS (4*250)	1000	856	836	20.09	837
	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	113	114	2.79	116
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	227	227	5.31	221
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	810	815	18.69	779
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	418	553	12.27	511
	Kawai(Adani) (2*660)	1320	702	704	16.85	702
	Thermal (Total)	**8876**	**4838**	**4741**	**111.48**	**4645**
	Total Hydro	550	124	72	2.19	91
	Wind power	4017	273	727	14.03	585
	Biomass	99	22	22	0.52	22
	Solar	1295	0	0	3.28	137
	Renewable/Others (Total)	5411	295	749	17.83	743
	Total Rajasthan	**14837**	**5257**	**5562**	**131.49**	**5479**
UP	Anpara TPS (3*210+2*500)	1630	1024	977	23.91	996
	Obra TPS (2*50+2*94+5*200)	1194	270	282	6.64	277
	Paricha TPS (2*110+2*220+2*250)	1160	658	671	16.74	698
	Panki TPS (2*105)	210	135	135	3.28	137
	Harduaganj TPS (1*60+1*105+2*250)	665	392	515	10.29	429
	Tanda TPS (NTPC) (4*110)	440	379	370	8.59	358
	Roza TPS (IPP) (4*300)	1200	972	950	20.33	847
	Anpara-C (IPP) (2*600)	1200	1026	968	23.97	999
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	282	282	7.06	294
	Anpara-D(2*500)	1000	392	866	15.45	644
	Lalitpur TPS(3*660)	1980	555	600	12.06	503
	Bara(2*660)	1320	593	502	12.99	541
	Thermal (Total)	**12449**	**6678**	**7118**	**161.32**	**6722**
	Vishnuparyag HPS (IPP)(4*110)	440	231	231	7.06	294
	Alaknanada(4*82.5)	330	160	164	3.28	137
	Other Hydro	527	164	268	4.97	207
	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**	**7283**	**7831**	**177.84**	**7410**
Uttarakhand	Other Hydro	1250	568	439	11.29	470
	Total Gas	225	253	256	5.42	226
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.06	3
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.06	3
	Total Uttarakhand	1802	821	695	16.77	699
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	72	74	1.78	74
	Pragati Gas Turbine (2x104+ 1x122)	330	149	154	3.70	154
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	251	4.78	199
	Badarpur TPS (NTPC) (3*95+2*210)	705	180	172	3.71	155
	Thermal (Total)	**2917**	**652**	**651**	**13.96**	**582**
	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**	**652**	**651**	**13.96**	**582**

HP	Baspa HPS (IPP) (3*100)	300	31	102	2.24	93
	Malana HPS (IPP) (2*43)	86	32	0	0.68	28
	Other Hydro	372	109	125	3.38	141
	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	157	147	3.60	150
	Renewable(Total)	**486**	**157**	**147**	**3.60**	**150**
	Total HP	**1244**	**329**	**374**	**9.90**	**412**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	295	293	7.07	294
	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**	**433**	**386**	**10**	**410**
Total State Control Area Generation		**50078**	**19418**	**19105**	**460.66**	**19194**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7437**	**8574**	**205.19**	**8550**
Total Regional Availability(Gross)		**75315**	**44472**	**36649**	**927.54**	**38648**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10319**	**1880**	**100.29**	**4179**
State Control Area Hydro	**7163**	**2720**	**2657**	**60.14**	**2734**
Total Regional Hydro	**19397**	**13039**	**4537**	**160.44**	**6913**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.07**	**3**
State Control Area Renewable	**7356**	**460**	**904**	**21.70**	**904**
Total Regional Renewable	**7386**	**460**	**904**	**21.77**	**907**

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)	-50	-50	0	50	0.00	1.24	-1.24
765 KV Gwalior-Agra (D/C)	1928	2343	2664	0	52.46	0.00	52.46
400 KV Zerda-Kankroli	24	73	118	103	0.54	0.00	0.54
400 KV Zerda-Bhinmal	61	57	155	106	0.93	0.00	0.93
220 KV Auraiya-Malanpur	-49	-39	0	80	0.00	0.81	-0.81
220 KV Badod-Kota/Morak	12	4	47	26	0.51	0.00	0.51
Mundra-Mohindergarh(HVDC Bipole)	2203	1801	2206	0.00	50.82	0.00	50.82
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1035	1221	740	0	30.12	0.00	30.12
Sub Total WR	**5164**	**5410**			**135.38**	**2.05**	**133.33**
Pusauli Bypass/HVDC	-150	-150	150	0	2.22	1.08	1.14
400 KV MZP- GKP (D/C)	172	361	528	0	8.48	0.00	8.48
400 KV Patna-Balia(D/C) X 2	565	506	690	0	14.32	0.00	14.32
400 KV B'Sharif-Balia (D/C)	-2	107	253	2	2.82	0.00	2.82
765 KV Gaya-Balia	152	289	361	0	5.88	0.00	5.88
765 KV Gaya-Varanasi (D/C)	458	529	714	0	13.45	0.00	13.45
220 KV Pusauli-Sahupuri	175	158	189	0	3.84	0.00	3.84
132 KV K'nasa-Sahupuri	-46	-36	0	40	0.00	0.76	-0.76
132 KV Son Ngr-Rihand	-43	-40	0	43	0.00	0.87	-0.87
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-11	-73	150	73	0.45	0.00	0.45
400 KV Barh -GKP (D/C)	426	428	466	0	8.95	0.00	8.95
400 kV B'Sharif - Varanasi (D/C)	77	85	204	0	2.98	0.00	2.98
Sub Total ER	**1773**	**2164**			**63.39**	**2.70**	**60.69**
+/- 800 KV BiswanathCharialli-Agra	500	1000	1000	0.00	11.17	0.00	11.17
Sub Total NER	**500**	**1000**			**11.17**	**0.00**	**11.17**
Total IR Exch	**7437**	**8574**			**209.94**	**4.75**	**205.19**

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
46.31	3.62	49.93	11.37	0.55	16.21	11.84	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
77.51	130.72	208.23	71.86	133.33	205.19	-5.65	2.61	-3.04

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	-24	0	0	24	0	0	-0.07

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	5.37	56.89	78.92	12.53	3.65	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)	
50.18	18.01	49.83	5.10	49.99	0.034	0.058	50.19	49.99	21.08

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	411	20:59	404	10:42	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	7:02	404	13:41	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	417	3:00	406	18:19	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	2:58	401	14:47	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	429	3:00	406	14:10	0.0	0.0	35.9	0.0	35.9
Bawana	400	423	2:57	401	14:54	0.0	0.0	12.0	0.0	12.0
Bassi	400	421	21:46	401	18:41	0.0	0.0	0.9	0.0	0.9
Hissar	400	419	2:55	398	14:09	0.0	0.0	0.0	0.0	0.0
Moga	400	422	2:05	404	11:43	0.0	0.0	9.8	0.0	9.8
Abdullapur	400	428	2:55	406	14:07	0.0	0.0	28.1	0.0	28.1
Nalagarh	400	428	2:32	409	14:25	0.0	0.0	33.1	0.0	33.1
Kishenpur	400	426	2:55	398	18:35	0.0	0.0	10.5	0.0	10.5
Wagoora	400	415	4:04	375	18:51	5.3	37.1	0.0	0.0	5.3
Amritsar	400	430	2:54	408	8:41	0.0	0.0	31.1	0.0	31.1
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	412	21:45	394	14:17	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	780	9:39	756	13:41	0.0	0.0	0.0	0.0	0.0
Balia	765	783	7:15	764	13:40	0.0	0.0	0.0	0.0	0.0
Moga	765	802	1:24	774	11:44	0.0	0.0	2.1	0.0	2.1
Agra	765	788	21:49	763	14:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	2:57	771	14:09	0.0	0.0	0.5	0.0	0.5
Unnao	765	763	8:00	745	13:41	0.0	0.0	0.0	0.0	0.0
Lucknow	765	785	8:00	762	13:41	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	2:59	767	14:17	0.0	0.0	4.5	0.0	4.5
Jhatikara	765	802	3:00	771	14:09	0.0	0.0	0.3	0.0	0.3
Bareilly 765 kV	765	782	4:03	764	9:11	0.0	0.0	0.0	0.0	0.0
Anta	765	789	21:42	771	10:30	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	21:48	766	10:31	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	500.55	1114.30	510.15	1560.04	328.70	531.14
Pong	426.72	384.05	415.56	693.24	419.68	875.55	81.58	237.80
Tehri	829.79	740.04	824.20	1091.02	819.45	982.26	78.12	121.00
Koteshwar	612.50	598.50	609.46	4.31	610.94	5.00	121.00	119.81
Chamera-I	760.00	748.75	758.71	0.00	0.00	0.00	80.21	59.10
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	515.58	3.31	512.72	3.60	65.08	140.02

*** 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	0	0	0	0	0	0	0.00	0.00	0.00
Delhi	6	-121	0	13	93	0	1.36	1.04	2.40
Haryana	123	276	0	274	376	0	5.19	8.09	13.28
HP	81	0	0	-8	-281	0	3.03	-3.92	-0.89
J&K	61	0	0	61	248	0	2.91	2.05	4.96
CHD	0	0	0	0	0	0	0.00	0.17	0.17
Rajasthan	-5	685	0	-7	690	0	-0.13	16.30	16.18
UP	251	589	0	104	-100	0	-0.43	0.99	0.57
Uttarakhand	25	211	0	25	169	0	0.45	7.10	7.56
Total	**543**	**1640**	**0**	**462**	**1196**	**0**	**12.39**	**31.82**	**44.21**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	0	0	0	0	0
Delhi	113	6	253	-212	0	0
Haryana	350	82	425	-125	0	0
HP	228	-8	0	-682	0	0
J&K	210	61	298	-15	0	0
CHD	0	0	0	0	33	0
Rajasthan	-5	-7	690	662	0	0
UP	266	-276	589	-100	0	0
Uttarakhand	25	13	511	118	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	**4.86%**
ER	**0.00%**
Simultaneous	**3.82%**

(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	23
Haryana	4	26
Rajasthan	1	18
Delhi	2	18
UP	2	22
Uttarakhand	4	42
HP	1	13
J & K	2	15
Chandigarh	4	47

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 18.10.2016 :
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 : 18.10.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER