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 17.10.2016
Date of Reporting : 18.10.2016

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
42955	589	43544	50.10	34985	299	35283	50.12	905.2	9.98

* 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	50.75	11.25		62.82	62.53	62.44	-0.09	125.26	0.00
Haryana	36.34	0.71		37.04	97.04	96.62	-0.41	133.67	0.00
Rajasthan	117.75	2.00	4.33	124.07	62.84	65.75	2.90	189.81	1.18
Delhi	18.84			18.84	59.81	60.07	0.27	78.91	0.00
UP	161.80	15.91		177.71	104.63	102.91	-1.72	280.62	0.00
Uttarakhand		11.37		17.53	18.08	18.29	0.22	35.83	0.00
HP		9.99		9.99	13.45	13.34	-0.11	23.33	0.32
J & K		9.84	0.00	9.84	27.63	24.08	-3.56	33.92	8.48
Chandigarh				0.00	4.06	3.83	-0.23	3.83	0.00
Total	**385.47**	**61.06**	**4.33**	**457.85**	**450.08**	**447.35**	**-2.73**	**905.19**	9.98

* 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	5754	0	-116	2	4267	0	111	0	5754	19:00	0
Haryana	7164	0	-190	672	4126	0	106	102	7215	20:00	0
Rajasthan	8441	0	153	576	7835	0	-69	570	8678	20:00	0
Delhi	3851	0	-7	45	2784	0	112	-110	3864	20:00	0
UP	12749	160	-150	15	12754	0	-9	961	12754	3:00	0
Uttarakhand	1875	0	109	157	1221	0	-37	158	1875	19:00	0
HP	1198	0	-39	-318	685	0	6	83	1249	8:00	0
J&K	1718	429	-21	310	1195	299	16	61	1718	19:00	429
Chandigarh	205	0	-33	-26	118	0	-5	0	205	19:00	0
Total	**42955**	**589**	**-293**	**1433**	**34985**	**299**	**230**	**1826**	**42973**	**20:00**	**547**

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.01

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	2000	1948	44.20	1842	43.83	0.37
	Rihand I STPS (2*500)	1000	943	1010	1002	22.10	921	22.06	0.04
	Rihand II STPS (2*500)	1000	735	502	992	17.41	726	16.96	0.45
	Rihand III STPS (2*500)	1000	472	382	472	10.64	443	10.93	-0.29
	Dadri I STPS (4*210)	840	815	339	295	7.10	296	7.20	-0.11
	Dadri II STPS (2*490)	980	970	734	688	16.68	695	17.53	-0.85
	Unchahar I TPS (2*210)	420	153	140	121	2.90	121	2.86	0.04
	Unchahar II TPS (2*210)	420	400	323	248	6.54	272	6.91	-0.37
	Unchahar III TPS (1*210)	210	200	153	130	3.17	132	3.51	-0.35
	ISTPP (Jhajjhar) (3*500)	1500	1425	498	309	7.20	300	7.39	-0.19
	Dadri GPS (4*130.19+2*154.51)	830	784	256	332	7.46	311	7.82	-0.36
	Anta GPS (3*88.71+1*153.2)	419	384	247	338	6.31	263	6.29	0.02
	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	0.04	0.00
	Singrauli Solar(15)	15	2	0	0	0.05	2	0.05	0.00
	KHEP(4*200)	800	858	860	0	5.42	226	5.00	0.42
	Sub Total (A)	**12112**	**10600**	**7444**	**6875**	**157**	**6551**	**158**	**-1.18**
B. NPC	NAPS (2*220)	440	189	215	224	4.61	192	4.54	0.08
	RAPS- B (2*220)	440	378	424	429	9.18	383	9.07	0.11
	RAPS- C (2*220)	440	0	0	0	0.00	0	0.00	0.00
	Sub Total (B)	**1320**	**567**	**639**	**653**	**13.79**	**575**	**13.61**	**0.18**
C. NHPC	Chamera I HPS (3*180)	540	540	544	0	2.21	92	2.00	0.21
	Chamera II HPS (3*100)	300	301	309	0	2.60	108	2.44	0.16
	Chamera III HPS (3*77)	231	231	228	0	1.65	69	1.53	0.12
	Bairasuil HPS(3*60)	180	179	178	0	0.91	38	0.86	0.05
	Salal-HPS (6*115)	690	218	345	345	6.18	258	5.23	0.95
	Tanakpur-HPS (3*31.4)	94	52	62	65	1.52	63	1.25	0.27
	Uri-I HPS (4*120)	480	85	151	21	2.44	102	2.05	0.39
	Uri-II HPS (4*60)	240	63	121	38	1.59	66	1.52	0.07
	Dhauliganga-HPS (4*70)	280	280	280	0	2.05	85	2.08	-0.03
	Dulhasti-HPS (3*130)	390	383	98	133	6.96	290	7.20	-0.24
	Sewa-II HPS (3*40)	120	119	122	0	0.36	15	0.36	0.00
	Parbati 3 (4*130)	520	303	315	0	1.10	46	1.04	0.06
	Sub Total (C)	**4065**	**2754**	**2753**	**602**	**30**	**1232**	**28**	**2.01**
D.SJVNL	NJPC (6*250)	1500	1605	1608	0	13.08	545	13.00	0.08
	Rampur HEP (6*68.67)	412	442	446	0	3.72	155	3.60	0.12
	Sub Total (D)	**1912**	**2047**	**2054**	**0**	**16.80**	**700**	**16.60**	**0.20**
E. THDC	Tehri HPS (4*250)	1000	1071	1062	0	5.81	242	5.60	0.21
	Koteshwar HPS (4*100)	400	75	100	69	1.82	76	1.80	0.02
	Sub Total (E)	**1400**	**1146**	**1162**	**69**	**7.63**	**318**	**7.40**	**0.23**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	731	1050	650	18.02	751	17.55	0.46
	Dehar HPS (6*165)	990	251	660	165	6.21	259	6.03	0.19
	Pong HPS (6*66)	396	153	330	132	3.75	156	3.68	0.07
	Sub Total (F)	**2765**	**1136**	**2040**	**947**	**27.98**	**1166**	**27.26**	**0.72**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	109	73	1.04	44	1.01	0.04
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	810	180	7.41	309	7.28	0.13
	Malana Stg-II HPS (2*50)	100	0	96	0	0.72	30	0.68	0.04
	Shree Cement TPS (2*150)	300	0	99	74	1.86	78	1.11	0.75
	Budhil HPS(IPP) (2*35)	70	0	25	25	0.42	18	0.41	0.01
	Sub Total (G)	**1662**	**0**	**1139**	**351**	**11.45**	**477**	**10.48**	**0.97**
H. Total Regional Entities (A-G)		**25237**	**18250**	**17230**	**9498**	**264.45**	**11019**	**261.31**	**3.14**

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	3.54	148
	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	-0.14	-6
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	820	28.70	1196
	Talwandi Saboo (3*660)	1980	780	616	18.70	779
	Thermal (Total)	**6560**	**2260**	**1596**	50.75	**2115**
	Total Hydro	1000	468	465	11.25	469
	Wind Power	0	0	0	0.00	0
	Biomass	288	20	20	0.49	20
	Solar	560	0	0	0.33	14
	Renewable(Total)	**848**	**20**	**20**	**0.82**	**34**
	Total Punjab	**8408**	**2748**	**2081**	**62.82**	**2617**
Haryana	Panipat TPS (2*210+2*250)	920	204	199	4.91	204
	DCRTPP (Yamuna nagar) (2*300)	600	553	470	11.76	490
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1098	772	19.67	820
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**1855**	**1441**	**36.34**	**1514**
	Total Hydro	62	33	31	0.71	29
	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**	**1888**	**1472**	**37.04**	**1543**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1083	1140	26.94	1123
	suratgarh TPS (6*250)	1500	210	198	5.55	231
	Chabra TPS (4*250)	1000	859	780	19.88	828
	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	113	2.84	118
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	226	227	5.31	221
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	815	816	19.28	803
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	559	549	12.76	532
	Kawai(Adani) (2*660)	1320	866	1207	25.18	1049
	Thermal (Total)	**8876**	**4731**	**5030**	**117.75**	**4906**
	Total Hydro	550	72	73	2.00	83
	Wind power	4017	100	99	3.51	146
	Biomass	99	20	20	0.49	20
	Solar	1295	6	0	0.33	14
	Renewable/Others (Total)	5411	126	119	4.33	180
	Total Rajasthan	**14837**	**4929**	**5222**	**124.07**	**5170**
UP	Anpara TPS (3*210+2*500)	1630	995	589	21.09	879
	Obra TPS (2*50+2*94+5*200)	1194	288	126	4.76	198
	Paricha TPS (2*110+2*220+2*250)	1160	658	908	17.31	721
	Panki TPS (2*105)	210	135	153	3.33	139
	Harduaganj TPS (1*60+1*105+2*250)	665	383	528	10.76	448
	Tanda TPS (NTPC) (4*110)	440	355	376	8.71	363
	Roza TPS (IPP) (4*300)	1200	914	959	20.77	865
	Anpara-C (IPP) (2*600)	1200	1071	972	23.89	995
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	224	404	6.76	282
	Anpara-D(2*500)	1000	890	885	21.15	881
	Lalitpur TPS(3*660)	1980	539	595	12.46	519
	Bara(2*660)	1320	594	0	9.62	401
	Thermal (Total)	**12449**	**7046**	**6495**	**160.60**	**6692**
	Vishnuparyag HPS (IPP)(4*110)	440	216	221	6.76	282
	Alaknanada(4*82.5)	330	164	164	3.33	139
	Other Hydro	527	304	242	5.82	242
	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**	**7780**	**7172**	**177.71**	**7405**
Uttarakhand	Other Hydro	1250	595	431	11.37	474
	Total Gas	225	259	261	6.11	255
	Wind Power	0	0	0	0.06	3
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.00	0
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.06	3
	Total Uttarakhand	1802	854	692	17.53	731
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	78	79	1.87	78
	Pragati Gas Turbine (2x104+ 1x122)	330	152	150	3.69	154
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	7.26	302
	Thermal (Total)	**2917**	**810**	**809**	**18.84**	**785**
	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**	**810**	**809**	**18.84**	**785**

HP	Baspa HPS (IPP) (3*100)	300	0	99	2.18	91
	Malana HPS (IPP) (2*43)	86	45	36	0.69	29
	Other Hydro	372	115	145	3.51	146
	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	156	148	3.61	150
	Renewable(Total)	**486**	**156**	**148**	**3.61**	**150**
	Total HP	**1244**	**316**	**428**	**9.99**	**416**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	295	295	7.07	295
	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**	**388**	**10**	**410**
Total State Control Area Generation		**50078**	**19758**	**18264**	**457.85**	**19077**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**8767**	**7879**	**206.69**	**8612**
Total Regional Availability(Gross)		**75315**	**45756**	**35641**	**928.99**	**38708**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9884**	**1871**	**96.57**	**4024**
State Control Area Hydro	**7163**	**2860**	**2704**	**61.06**	**2801**
Total Regional Hydro	**19397**	**12743**	**4575**	**157.63**	**6825**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**7356**	**303**	**287**	**8.81**	**367**
Total Regional Renewable	**7386**	**303**	**287**	**8.93**	**372**

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	-250	0	250	0.00	4.01	-4.01
765 KV Gwalior-Agra (D/C)	2271	2051	2769	0	54.14	0.00	54.14
400 KV Zerda-Kankroli	127	181	261	0	3.70	0.00	3.70
400 KV Zerda-Bhinmal	189	206	305	0	4.49	0.00	4.49
220 KV Auraiya-Malanpur	-56	-48	0	104	0.00	1.04	-1.04
220 KV Badod-Kota/Morak	50	41	88	19	1.21	0.00	1.21
Mundra-Mohindergarh(HVDC Bipole)	1798	1202	1804	0.00	35.70	0.00	35.70
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1264	1085	1462	0	30.21	0.00	30.21
Sub Total WR	**5593**	**4468**			**129.45**	**5.05**	**124.39**
Pusauli Bypass/HVDC	164	-150	150	165	2.07	1.32	0.74
400 KV MZP- GKP (D/C)	131	454	510	0	7.93	0.00	7.93
400 KV Patna-Balia(D/C) X 2	548	563	613	0	12.92	0.00	12.92
400 KV B'Sharif-Balia (D/C)	26	148	205	0	2.69	0.00	2.69
765 KV Gaya-Balia	212	298	361	0	6.22	0.00	6.22
765 KV Gaya-Varanasi (D/C)	480	537	716	0	13.06	0.00	13.06
220 KV Pusauli-Sahupuri	164	185	185	0	3.68	0.00	3.68
132 KV K'nasa-Sahupuri	-42	-32	0	50	0.00	0.78	-0.78
132 KV Son Ngr-Rihand	-35	-37	0	40	0.00	0.83	-0.83
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	21	-58	136	83	0.38	0.00	0.38
400 KV Barh -GKP (D/C)	468	444	474	0	10.41	0.00	10.41
400 kV B'Sharif - Varanasi (D/C)	73	97	192	0	2.67	0.00	2.67
Sub Total ER	**2210**	**2449**			**62.02**	**2.94**	**59.09**
+/- 800 KV BiswanathCharialli-Agra	964	962	985	0.00	23.21	0.00	23.21
Sub Total NER	**964**	**962**			**23.21**	**0.00**	**23.21**
Total IR Exch	**8767**	**7879**			**214.68**	**7.99**	**206.69**

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
42.87	3.62	46.49	11.86	0.14	11.67	13.24	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
70.02	132.17	202.19	82.30	124.39	206.69	12.27	-7.77	4.50

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	-22	0	0	22	0	0	-0.06

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	0.09	7.22	57.07	75.34	15.00	2.49	0.01	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)	
50.20	18.02	49.78	10.10	49.99	0.039	0.061	50.20	49.95	24.66

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	409	0:18	405	12:42	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	8:02	406	14:16	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	416	20:52	403	11:40	0.0	0.0	0.0	0.0	0.0
Dadri	400	418	1:56	400	18:32	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	426	4:02	404	11:40	0.0	0.0	25.4	0.0	25.4
Bawana	400	421	1:03	400	18:31	0.0	0.0	2.2	0.0	2.2
Bassi	400	419	21:51	396	5:50	0.0	0.0	0.0	0.0	0.0
Hissar	400	417	2:39	397	18:33	0.0	0.0	0.0	0.0	0.0
Moga	400	420	1:57	400	18:35	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	1:11	403	18:39	0.0	0.0	22.0	0.0	22.0
Nalagarh	400	429	2:46	404	18:46	0.0	0.0	26.5	0.0	26.5
Kishenpur	400	424	3:58	391	18:22	0.0	0.0	11.2	0.0	11.2
Wagoora	400	414	3:22	363	18:23	9.2	35.9	0.0	0.0	9.2
Amritsar	400	428	2:38	404	9:45	0.0	0.0	31.5	0.0	31.5
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	100.0	100.0	0.0	0.0	100.0
Rishikesh	400	412	4:06	387	12:11	0.0	9.7	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	777	20:55	752	8:44	0.0	0.0	0.0	0.0	0.0
Balia	765	782	7:04	763	18:41	0.0	0.0	0.0	0.0	0.0
Moga	765	796	1:57	764	18:35	0.0	0.0	0.0	0.0	0.0
Agra	765	789	21:51	754	9:13	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	21:47	767	9:43	0.0	0.0	0.0	0.0	0.0
Unnao	765	764	0:00	742	11:49	0.0	0.0	0.0	0.0	0.0
Lucknow	765	785	21:51	762	11:39	0.0	0.0	0.0	0.0	0.0
Meerut	765	800	21:50	763	8:43	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	799	21:49	767	9:43	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	782	21:48	757	18:39	0.0	0.0	0.0	0.0	0.0
Anta	765	788	21:49	758	9:48	0.0	0.0	0.0	0.0	0.0
Phagi	765	790	20:50	758	9:48	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	500.68	1127.29	510.20	1560.04	293.45	526.30
Pong	426.72	384.05	415.62	705.67	419.74	875.55	77.53	226.34
Tehri	829.79	740.04	824.20	1091.02	819.65	995.26	110.39	126.00
Koteshwar	612.50	598.50	609.53	4.30	610.83	4.95	126.00	119.73
Chamera-I	760.00	748.75	758.47	0.00	0.00	0.00	76.51	59.79
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	515.67	3.44	512.84	3.61	77.43	133.94

*** 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	2	0	0.00	1.79	1.79
Delhi	6	-116	0	13	32	0	1.36	0.76	2.12
Haryana	171	-69	0	322	351	0	6.34	5.31	11.64
HP	105	-22	0	-8	-310	0	2.71	-3.67	-0.97
J&K	61	0	0	61	248	0	2.91	2.03	4.94
CHD	0	0	0	0	0	-26	0.00	0.17	0.17
Rajasthan	-5	575	0	-7	583	0	-0.13	13.87	13.74
UP	177	785	0	115	-100	0	-0.79	2.47	1.68
Uttarakhand	25	133	0	25	132	0	0.46	6.59	7.04
Total	**541**	**1284**	**0**	**521**	**938**	**-26**	**12.86**	**29.30**	**42.16**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	0	198	0	0	0
Delhi	113	6	263	-209	0	0
Haryana	399	131	404	-323	0	0
HP	194	-8	1	-527	0	0
J&K	210	61	298	-15	0	0
CHD	0	0	0	0	44	-26
Rajasthan	-5	-7	592	564	0	0
UP	229	-292	785	-100	0	0
Uttarakhand	25	13	557	97	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	**1.39%**
ER	**0.00%**
Simultaneous	**2.78%**

(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	22
Haryana	4	14
Rajasthan	0	12
Delhi	1	20
UP	2	7
Uttarakhand	5	44
HP	2	19
J & K	2	13
Chandigarh	3	25

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 17.10.2016 :
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 : 17.10.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER