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 14.10.2016
Date of Reporting : 15.10.2016

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
43058	2687	45746	50.05	34150	2294	36444	50.09	912.0	35.45

* 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	60.15	8.42		68.68	67.19	67.64	0.45	136.32	0.00
Haryana	37.98	0.70		38.68	101.97	100.56	-1.41	139.24	0.00
Rajasthan	94.36	2.98	17.64	114.98	64.79	68.66	3.87	183.64	7.90
Delhi	19.13			19.13	64.81	65.03	0.22	84.16	0.22
UP	135.35	16.68		152.03	103.96	107.82	3.86	259.85	17.41
Uttarakhand		11.26		16.32	19.43	20.36	0.93	36.68	0.00
HP		12.89		12.89	14.08	15.43	1.36	28.33	0.00
J & K		10.77	0.00	10.77	27.44	28.95	1.51	39.71	9.93
Chandigarh				0.00	4.24	4.05	-0.19	4.05	0.00
Total	**346.97**	**63.71**	**17.64**	**433.49**	**467.90**	**478.50**	**10.60**	**911.98**	35.45

* 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	6237	0	-83	388	4724	0	137	386	6237	19:00	0
Haryana	7212	0	-357	894	4634	0	225	851	7333	20:00	0
Rajasthan	8039	789	291	579	7502	130	149	586	8283	24:00	429
Delhi	4059	0	45	61	3094	0	32	-7	4081	20:00	0
UP	11831	1290	-214	148	10767	1880	190	208	12124	20:00	635
Uttarakhand	1868	0	203	212	1322	0	30	372	1868	19:00	0
HP	1168	0	26	-441	842	0	80	150	1311	8:00	0
J&K	2433	608	560	47	1136	284	-101	-38	2433	19:00	608
Chandigarh	212	0	-35	-1	129	0	10	0	212	19:00	0
Total	**43058**	**2687**	**435**	**1885**	**34150**	**2294**	**751**	**2509**	**43326**	**20:00**	**1300**

* 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	1623	1764	1760	39.42	1643	38.93	0.49
	Rihand I STPS (2*500)	1000	943	1020	1028	22.44	935	22.52	-0.07
	Rihand II STPS (2*500)	1000	943	1014	1011	22.82	951	22.55	0.27
	Rihand III STPS (2*500)	1000	472	495	503	11.35	473	11.30	0.05
	Dadri I STPS (4*210)	840	815	607	604	12.96	540	13.79	-0.84
	Dadri II STPS (2*490)	980	970	721	701	17.92	747	19.16	-1.24
	Unchahar I TPS (2*210)	420	153	171	160	3.49	146	3.62	-0.13
	Unchahar II TPS (2*210)	420	400	427	396	8.64	360	9.46	-0.82
	Unchahar III TPS (1*210)	210	200	207	201	4.30	179	4.74	-0.44
	ISTPP (Jhajjhar) (3*500)	1500	1425	473	0	3.34	139	3.71	-0.37
	Dadri GPS (4*130.19+2*154.51)	830	761	352	303	7.65	319	8.39	-0.73
	Anta GPS (3*88.71+1*153.2)	419	383	225	316	7.86	327	7.93	-0.07
	Auraiya GPS (4*111.19+2*109.30)	663	623	150	132	3.27	136	3.50	-0.23
	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	0.10	4	0.06	0.04
	KHEP(4*200)	800	858	858	438	4.32	180	4.00	0.32
	Sub Total (A)	**12112**	**10574**	**8484**	**7553**	**170**	**7081**	**174**	**-3.78**
B. NPC	NAPS (2*220)	440	189	213	212	4.54	189	4.54	0.00
	RAPS- B (2*220)	440	274	367	216	5.74	239	6.58	-0.84
	RAPS- C (2*220)	440	0	0	0	-0.02	-1	0.00	-0.02
	Sub Total (B)	**1320**	**463**	**580**	**428**	**10.25**	**427**	**11.12**	**-0.86**
C. NHPC	Chamera I HPS (3*180)	540	540	552	0	2.69	112	2.50	0.19
	Chamera II HPS (3*100)	300	301	309	104	2.33	97	2.20	0.13
	Chamera III HPS (3*77)	231	231	227	0	1.40	58	1.27	0.13
	Bairasuil HPS(3*60)	180	179	182	0	1.00	42	0.96	0.04
	Salal-HPS (6*115)	690	228	345	345	6.37	265	5.48	0.89
	Tanakpur-HPS (3*31.4)	94	51	46	57	1.44	60	1.23	0.21
	Uri-I HPS (4*120)	480	102	82	33	2.67	111	2.45	0.22
	Uri-II HPS (4*60)	240	76	102	76	1.90	79	1.83	0.07
	Dhauliganga-HPS (4*70)	280	280	274	70	2.19	91	2.09	0.10
	Dulhasti-HPS (3*130)	390	383	393	153	7.70	321	7.50	0.20
	Sewa-II HPS (3*40)	120	119	112	0	0.33	14	0.36	-0.03
	Parbati 3 (4*130)	520	390	396	0	0.97	40	0.91	0.06
	Sub Total (C)	**4065**	**2880**	**3020**	**838**	**31**	**1291**	**29**	**2.21**
D.SJVNL	NJPC (6*250)	1500	1605	1588	0	13.28	553	13.12	0.16
	Rampur HEP (6*68.67)	412	442	441	0	3.87	161	3.66	0.20
	Sub Total (D)	**1912**	**2047**	**2029**	**0**	**17.15**	**714**	**16.78**	**0.36**
E. THDC	Tehri HPS (4*250)	1000	1071	1039	0	7.25	302	7.00	0.25
	Koteshwar HPS (4*100)	400	88	201	72	2.12	88	2.10	0.02
	Sub Total (E)	**1400**	**1159**	**1240**	**72**	**9.37**	**390**	**9.10**	**0.27**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	713	1183	510	17.66	736	17.10	0.56
	Dehar HPS (6*165)	990	273	660	165	6.73	280	6.56	0.17
	Pong HPS (6*66)	396	93	330	0	2.24	93	2.24	0.00
	Sub Total (F)	**2765**	**1079**	**2173**	**675**	**26.63**	**1109**	**25.90**	**0.72**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	29	0	0.97	40	0.91	0.06
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	820	0	7.16	298	7.10	0.06
	Malana Stg-II HPS (2*50)	100	0	45	0	0.62	26	0.59	0.03
	Shree Cement TPS (2*150)	300	0	98	81	2.06	86	1.95	0.11
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
	Sub Total (G)	**1662**	**0**	**993**	**81**	**10.80**	**450**	**10.54**	**0.26**
H. Total Regional Entities (A-G)		**25237**	**18202**	**18519**	**9647**	**275.11**	**11463**	**275.92**	**-0.81**

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	3.83	159
	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	240	206	4.93	205
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1
	Rajpura (2*700)	1400	1320	1120	30.42	1267
	Talwandi Saboo (3*660)	1980	827	616	21.02	876
	Thermal (Total)	**6560**	**2547**	**2102**	60.15	**2506**
	Total Hydro	1000	280	326	8.42	351
	Wind Power	0	0	0	0.00	0
	Biomass	288	2	2	0.04	2
	Solar	560	3	3	0.07	3
	Renewable(Total)	**848**	**5**	**5**	**0.11**	**5**
	Total Punjab	**8408**	**2832**	**2433**	**68.68**	**2862**
Haryana	Panipat TPS (2*210+2*250)	920	204	201	5.01	209
	DCRTPP (Yamuna nagar) (2*300)	600	551	463	11.78	491
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1098	781	21.20	883
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**1853**	**1445**	**37.98**	**1582**
	Total Hydro	62	18	29	0.70	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**	**1871**	**1474**	**38.68**	**1612**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	894	526	16.41	684
	suratgarh TPS (6*250)	1500	0	0	0.00	0
	Chabra TPS (4*250)	1000	763	896	21.31	888
	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	120	126	2.85	119
	RAPS A (NPC) (1*100+1*200)	300	167	167	4.19	175
	Barsingsar (NLC) (2*125)	250	227	229	5.31	221
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	687	693	16.39	683
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	565	564	13.20	550
	Kawai(Adani) (2*660)	1320	625	621	14.71	613
	Thermal (Total)	**8876**	**4048**	**3822**	**94.36**	**3932**
	Total Hydro	550	138	168	2.98	124
	Wind power	4017	235	853	13.66	569
	Biomass	99	22	22	0.53	22
	Solar	1295	0	0	3.45	144
	Renewable/Others (Total)	5411	257	875	17.64	735
	Total Rajasthan	**14837**	**4443**	**4865**	**114.98**	**4791**
UP	Anpara TPS (3*210+2*500)	1630	544	548	13.74	573
	Obra TPS (2*50+2*94+5*200)	1194	291	276	6.78	283
	Paricha TPS (2*110+2*220+2*250)	1160	923	774	19.52	813
	Panki TPS (2*105)	210	68	81	1.86	77
	Harduaganj TPS (1*60+1*105+2*250)	665	505	536	12.21	509
	Tanda TPS (NTPC) (4*110)	440	375	367	8.97	374
	Roza TPS (IPP) (4*300)	1200	945	972	22.77	949
	Anpara-C (IPP) (2*600)	1200	1049	999	24.09	1004
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	404	404	9.58	399
	Anpara-D(2*500)	1000	65	457	6.22	259
	Lalitpur TPS(3*660)	1980	596	0	8.42	351
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**12449**	**5765**	**5414**	**134.15**	**5590**
	Vishnuparyag HPS (IPP)(4*110)	440	226	221	9.58	399
	Alaknanada(4*82.5)	330	165	164	1.86	77
	Other Hydro	527	246	248	5.24	218
	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**	**6452**	**6097**	**152.03**	**6335**
Uttarakhand	Other Hydro	1250	658	461	11.26	469
	Total Gas	225	217	217	4.99	208
	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	875	678	16.32	680
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	74	75	1.92	80
	Pragati Gas Turbine (2x104+ 1x122)	330	147	152	3.79	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	252	6.26	261
	Badarpur TPS (NTPC) (3*95+2*210)	705	327	325	7.16	298
	Thermal (Total)	**2917**	**799**	**805**	**19.13**	**797**
	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**	**799**	**805**	**19.13**	**797**

HP	Baspa HPS (IPP) (3*100)	300	30	60	2.19	91
	Malana HPS (IPP) (2*43)	86	15	0	0.56	23
	Other Hydro	372	315	257	6.77	282
	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	145	137	3.38	141
	Renewable(Total)	**486**	**145**	**137**	**3.38**	**141**
	Total HP	**1244**	**505**	**454**	**12.89**	**537**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	438	290	8.00	333
	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**	**576**	**383**	**11**	**449**
Total State Control Area Generation		**50078**	**18353**	**17188**	**433.49**	**18062**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**8167**	**8700**	**220.60**	**9192**
Total Regional Availability(Gross)		**75315**	**45038**	**35535**	**929.19**	**38716**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10215**	**2022**	**97.18**	**4049**
State Control Area Hydro	**7163**	**3029**	**2671**	**63.71**	**2865**
Total Regional Hydro	**19397**	**13244**	**4693**	**160.89**	**6914**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.17**	**7**
State Control Area Renewable	**7356**	**407**	**1017**	**21.19**	**883**
Total Regional Renewable	**7386**	**407**	**1017**	**21.36**	**890**

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW) Import	Maximum Interchange (MW) Export	Energy (MU) Import	Energy (MU) Export	Net Energy MU
Vindhychal(HVDC B/B)	50	-500	400	500	2.10	5.29	-3.18
765 KV Gwalior-Agra (D/C)	2090	1930	2673	0	55.51	0.00	55.51
400 KV Zerda-Kankroli	148	42	166	31	2.32	0.00	2.32
400 KV Zerda-Bhinmal	174	5	214	57	2.44	0.00	2.44
220 KV Auraiya-Malanpur	-71	-116	0	115	0.00	1.42	-1.42
220 KV Badod-Kota/Morak	82	92	129	0	1.95	0.00	1.95
Mundra-Mohindergarh(HVDC Bipole)	1602	1998	2004	0.00	37.20	0.00	37.20
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1364	1301	1606	0	35.15	0.00	35.15
Sub Total WR	**5439**	**4752**			**136.66**	**6.71**	**129.95**
Pusauli Bypass/HVDC	-68	65	150	189	1.44	1.81	-0.37
400 KV MZP- GKP (D/C)	177	544	714	0	11.96	0.00	11.96
400 KV Patna-Balia(D/C) X 2	584	627	762	0	15.66	0.00	15.66
400 KV B'Sharif-Balia (D/C)	90	174	282	0	4.72	0.00	4.72
765 KV Gaya-Balia	150	258	334	0	5.66	0.00	5.66
765 KV Gaya-Varanasi (D/C)	356	685	791	0	14.70	0.00	14.70
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-28	-30	0	34	0.00	0.65	-0.65
132 KV Son Ngr-Rihand	-30	-20	0	30	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	1	70	215	0	2.72	0.00	2.72
400 KV Barh -GKP (D/C)	416	410	464	0	9.83	0.00	9.83
400 kV B'Sharif - Varanasi (D/C)	118	197	309	0	5.06	0.00	5.06
Sub Total ER	**1766**	**2980**			**71.75**	**3.02**	**68.73**
+/- 800 KV BiswanathCharialli-Agra	962	968	969	0.00	21.91	0.00	21.91
Sub Total NER	**962**	**968**			**21.91**	**0.00**	**21.91**
Total IR Exch	**8167**	**8700**			**230.32**	**9.73**	**220.60**

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**
46.77	3.56	50.33	13.14	10.60	15.51	15.85	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**
78.97	127.21	206.18	90.64	129.95	220.60	11.67	2.75	14.42

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW) Import	Maximum Interchange (MW) Export	Energy (MU) Import	Energy (MU) Export	Net Energy MU
132 KV Tanakpur - Mahendarnagar	8	0	0	18	0	0	-0.10

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	0.25	8.16	54.06	73.56	16.18	2.73	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)	
50.19	13.01	49.77	10.43	49.99	0.041	0.063	50.18	49.98	26.44

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	21:58	403	13:17	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	7:04	408	9:13	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	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	2:09	399	12:08	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	426	2:44	403	12:13	0.0	0.0	17.1	0.0	17.1
Bawana	400	423	2:11	399	12:11	0.0	0.0	8.8	0.0	8.8
Bassi	400	421	4:01	397	18:38	0.0	0.0	0.1	0.0	0.1
Hissar	400	417	1:57	397	12:11	0.0	0.0	0.0	0.0	0.0
Moga	400	421	2:55	400	12:09	0.0	0.0	0.7	0.0	0.7
Abdullapur	400	428	1:57	402	12:13	0.0	0.0	27.9	0.0	27.9
Nalagarh	400	433	3:03	406	12:14	0.0	0.0	45.3	12.4	45.3
Kishenpur	400	427	4:00	397	18:43	0.0	0.0	17.0	0.0	17.0
Wagoora	400	417	3:36	369	18:41	17.0	54.3	0.0	0.0	17.0
Amritsar	400	431	4:00	405	12:10	0.0	0.0	34.5	0.2	34.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	427	4:01	402	12:01	0.0	0.0	14.2	0.0	14.2
Rishikesh	400	414	2:09	393	12:10	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	779	21:44	740	9:19	0.0	0.4	0.0	0.0	0.0
Balia	765	784	16:29	763	9:16	0.0	0.0	0.0	0.0	0.0
Moga	765	793	21:55	763	12:10	0.0	0.0	0.0	0.0	0.0
Agra	765	788	4:01	748	9:19	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	1:40	767	9:16	0.0	0.0	0.0	0.0	0.0
Unnao	765	768	21:42	746	9:16	0.0	0.0	0.0	0.0	0.0
Lucknow	765	786	21:45	764	9:16	0.0	0.0	0.0	0.0	0.0
Meerut	765	798	21:54	769	18:34	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	799	4:01	764	9:16	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	785	2:09	757	9:19	0.0	0.0	0.0	0.0	0.0
Anta	765	786	4:00	764	9:13	0.0	0.0	0.0	0.0	0.0
Phagi	765	793	4:01	760	9:13	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	501.14	1140.31	510.35	1560.04	254.71	502.68
Pong	426.72	384.05	415.82	705.67	419.92	889.22	93.11	137.76
Tehri	829.79	740.04	824.40	1095.25	820.05	1002.27	79.10	157.00
Koteshwar	612.50	598.50	609.31	4.30	610.76	4.95	157.00	139.45
Chamera-I	760.00	748.75	757.99	0.00	0.00	0.00	78.20	72.92
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	515.98	3.36	513.25	3.49	104.23	246.12

*** 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	386	0	0	386	2	0	9.27	0.01	9.28
Delhi	7	-14	0	14	47	0	1.39	1.38	2.76
Haryana	502	350	0	546	348	0	12.49	6.64	19.12
HP	-54	204	0	-133	-308	0	-1.46	-0.45	-1.91
J&K	-38	0	0	-38	85	0	0.28	2.73	3.01
CHD	0	0	0	0	0	-1	0.00	0.45	0.45
Rajasthan	-5	591	0	-7	586	0	-0.13	17.09	16.96
UP	208	0	0	247	-100	0	2.71	-0.90	1.81
Uttarakhand	5	368	0	5	207	0	0.11	9.04	9.16
Total	**1011**	**1498**	**0**	**1021**	**865**	**-1**	**24.66**	**35.98**	**60.64**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	386	386	2	0	0	0
Delhi	114	7	207	-72	0	0
Haryana	668	361	383	-194	0	0
HP	-14	-133	251	-493	0	0
J&K	61	-38	248	0	0	0
CHD	0	0	0	0	54	-1
Rajasthan	-5	-7	1065	577	0	0
UP	249	-48	0	-100	0	0
Uttarakhand	5	5	571	138	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	**7.29%**

(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	16
Haryana	3	26
Rajasthan	0	11
Delhi	2	24
UP	3	19
Uttarakhand	1	17
HP	4	48
J & K	4	27
Chandigarh	5	32

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 14.10.2016 :
Normal

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
1. 315 MVA ICT-2 with new 500 MVA ICT-2 at Mandola(PG) first time taken on load at 17:53 hrs./ dt. 14.10.2016. The load on 500 MVA ICT-2 after charging was 211 MW & 28.9 MVAR.
2. 200 MVA, Single Phase 400/26 kV Spare Transformer test charged for SVC Ludhiana at 20:07 hrs/ dt. 14.10.2016

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 : 14.10.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER