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 25.10.2016
Date of Reporting : 26.10.2016

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
41831	1005	42835	50.10	34662	309	34971	50.06	884.2	14.26

* 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	48.54	12.33	0.15	61.01	54.78	54.42	-0.36	115.43	0.00
Haryana	35.68	0.73	0.00	36.40	87.70	87.36	-0.34	123.76	0.00
Rajasthan	112.47	4.67	16.72	133.85	60.64	63.54	2.90	197.39	5.17
Delhi	15.39		0.00	15.39	60.68	60.97	0.29	76.36	0.00
UP	163.84	14.60	0.00	178.44	96.37	94.65	-1.72	273.10	0.00
Uttarakhand		10.64	0.00	13.05	21.05	21.70	0.65	34.76	0.00
HP		5.78	2.78	8.56	14.72	15.63	0.91	24.19	0.18
J & K		9.73	0.00	9.73	29.73	25.90	-3.83	35.63	8.91
Chandigarh				0.00	3.74	3.60	-0.15	3.60	0.00
Total	**375.93**	**58.47**	**19.64**	**456.44**	**429.41**	**427.77**	**-1.64**	**884.21**	14.26

* 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	5396	0	-125	-845	4011	0	154	-92	5396	19:00	0
Haryana	6796	0	-30	528	4111	0	38	144	6796	19:00	0
Rajasthan	8654	190	155	512	8404	0	88	460	9025	7:00	262
Delhi	3879	0	-38	-129	2541	0	90	-428	3879	19:00	0
UP	12146	370	24	-4	12290	0	73	172	12574	23:00	0
Uttarakhand	1775	0	-6	273	1198	0	-4	272	1775	19:00	0
HP	1212	0	62	-214	767	0	67	83	1339	8:00	0
J&K	1779	445	-141	360	1234	309	-112	161	1779	19:00	445
Chandigarh	194	0	-12	-20	106	0	24	0	194	19:00	0
Total	**41831**	**1005**	**-111**	**460**	**34662**	**309**	**419**	**773**	**41831**	**19:00**	**1005**

* 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	1820	1945	1591	42.13	1755	41.77	0.35
	Rihand I STPS (2*500)	1000	935	991	918	20.91	871	20.96	-0.05
	Rihand II STPS (2*500)	1000	943	983	789	21.32	888	20.97	0.35
	Rihand III STPS (2*500)	1000	472	513	429	10.85	452	10.48	0.37
	Dadri I STPS (4*210)	840	815	378	305	7.28	303	7.58	-0.30
	Dadri II STPS (2*490)	980	980	830	699	16.89	704	17.75	-0.86
	Unchahar I TPS (2*210)	420	354	328	279	6.81	284	6.98	-0.17
	Unchahar II TPS (2*210)	420	400	362	254	6.71	280	7.23	-0.52
	Unchahar III TPS (1*210)	210	200	195	139	3.46	144	3.64	-0.18
	ISTPP (Jhajjhar) (3*500)	1500	1425	367	321	7.36	307	7.51	-0.15
	Dadri GPS (4*130.19+2*154.51)	830	785	338	349	7.90	329	8.20	-0.31
	Anta GPS (3*88.71+1*153.2)	419	388	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	624	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	0.04	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	4.44	185	4.00	0.44
	Sub Total (A)	**12112**	**11003**	**8090**	**6073**	**156**	**6507**	**157**	**-1.04**
B. NPC	NAPS (2*220)	440	195	218	221	4.69	195	4.68	0.01
	RAPS- B (2*220)	440	384	426	430	9.22	384	9.22	0.00
	RAPS- C (2*220)	440	0	0	0	-0.27	-11	0.00	-0.27
	Sub Total (B)	**1320**	**579**	**644**	**651**	**13.63**	**568**	**13.90**	**-0.26**
C. NHPC	Chamera I HPS (3*180)	540	540	551	0	2.23	93	2.00	0.23
	Chamera II HPS (3*100)	300	301	310	0	2.20	92	2.05	0.15
	Chamera III HPS (3*77)	231	231	227	0	1.21	51	1.10	0.11
	Bairasuil HPS(3*60)	180	179	121	0	0.78	33	0.72	0.06
	Salal-HPS (6*115)	690	196	226	226	5.48	228	4.70	0.78
	Tanakpur-HPS (3*31.4)	94	48	56	51	1.36	57	1.16	0.20
	Uri-I HPS (4*120)	480	84	230	21	2.36	98	2.02	0.34
	Uri-II HPS (4*60)	240	62	38	75	1.55	65	1.49	0.06
	Dhauliganga-HPS (4*70)	280	280	286	0	1.95	81	1.82	0.13
	Dulhasti-HPS (3*130)	390	383	393	156	6.51	271	6.20	0.31
	Sewa-II HPS (3*40)	120	119	117	0	0.35	15	0.36	-0.01
	Parbati 3 (4*130)	520	303	311	0	0.97	40	0.91	0.06
	Sub Total (C)	**4065**	**2725**	**2867**	**530**	**27**	**1123**	**25**	**2.43**
D.SJVNL	NJPC (6*250)	1500	1605	1607	0	11.75	490	11.50	0.26
	Rampur HEP (6*68.67)	412	442	285	0	3.36	140	3.21	0.15
	Sub Total (D)	**1912**	**2047**	**1892**	**0**	**15.11**	**630**	**14.71**	**0.40**
E. THDC	Tehri HPS (4*250)	1000	1071	1065	0	6.62	276	6.37	0.25
	Koteshwar HPS (4*100)	400	91	101	90	2.22	93	2.19	0.03
	Sub Total (E)	**1400**	**1163**	**1166**	**90**	**8.84**	**368**	**8.56**	**0.28**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	709	1056	637	17.49	729	17.01	0.48
	Dehar HPS (6*165)	990	238	495	165	6.02	251	5.71	0.31
	Pong HPS (6*66)	396	139	264	132	3.40	142	3.33	0.07
	Sub Total (F)	**2765**	**1086**	**1815**	**934**	**26.91**	**1121**	**26.05**	**0.86**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	108	0	0.94	39	0.90	0.04
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	825	0	6.43	268	6.16	0.27
	Malana Stg-II HPS (2*50)	100	0	0	25	0.57	24	0.55	0.01
	Shree Cement TPS (2*150)	300	0	-1	-1	-0.04	-2	0.00	-0.04
	Budhil HPS(IPP) (2*35)	70	0	25	10	0.37	15	0.35	0.01
	Sub Total (G)	**1662**	**0**	**957**	**34**	**8.27**	**344**	**7.97**	**0.29**
H. Total Regional Entities (A-G)		**25237**	**18603**	**17431**	**8312**	**255.89**	**10662**	**252.93**	**2.97**

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	-0.13	-6
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.04	-2
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.10	-4
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1
	Rajpura (2*700)	1400	1320	760	25.64	1068
	Talwandi Saboo (3*660)	1980	1374	924	23.20	966
	Thermal (Total)	**6560**	**2694**	**1684**	48.54	**2023**
	Total Hydro	1000	384	646	12.33	514
	Wind Power	0	0	0	0.00	0
	Biomass	288	4	4	0.09	4
	Solar	560	2	2	0.05	2
	Renewable(Total)	**848**	**6**	**6**	**0.15**	**6**
	Total Punjab	**8408**	**3084**	**2336**	**61.01**	**2542**
Haryana	Panipat TPS (2*210+2*250)	920	198	200	4.77	199
	DCRTPP (Yamuna nagar) (2*300)	600	551	457	11.89	495
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	942	754	19.02	792
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**1691**	**1411**	**35.68**	**1487**
	Total Hydro	62	33	35	0.73	30
	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**	**1724**	**1446**	**36.40**	**1517**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1141	978	26.48	1103
	suratgarh TPS (6*250)	1500	677	568	15.12	630
	Chabra TPS (4*250)	1000	874	911	20.76	865
	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	101	109	2.40	100
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	226	226	5.35	223
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	687	689	15.34	639
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	554	409	12.41	517
	Kawai(Adani) (2*660)	1320	614	609	14.62	609
	Thermal (Total)	**8876**	**4874**	**4499**	**112.47**	**4686**
	Total Hydro	550	190	216	4.67	194
	Wind power	4017	148	1316	14.01	584
	Biomass	99	13	13	0.31	13
	Solar	1295	5	0	2.40	100
	Renewable/Others (Total)	5411	166	1329	16.72	696
	Total Rajasthan	**14837**	**5230**	**6044**	**133.85**	**5577**
UP	Anpara TPS (3*210+2*500)	1630	1326	1193	25.70	1071
	Obra TPS (2*50+2*94+5*200)	1194	299	293	7.20	300
	Paricha TPS (2*110+2*220+2*250)	1160	583	577	15.40	642
	Panki TPS (2*105)	210	135	138	3.30	138
	Harduaganj TPS (1*60+1*105+2*250)	665	317	384	9.30	388
	Tanda TPS (NTPC) (4*110)	440	275	385	7.74	323
	Roza TPS (IPP) (4*300)	1200	576	810	15.60	650
	Anpara-C (IPP) (2*600)	1200	1080	990	23.60	983
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	282	7.10	296
	Anpara-D(2*500)	1000	444	775	17.00	708
	Lalitpur TPS(3*660)	1980	365	1142	16.40	683
	Bara(2*660)	1320	546	544	13.10	546
	Thermal (Total)	**12449**	**6229**	**7513**	**161.44**	**6727**
	Vishnuparyag HPS (IPP)(4*110)	440	201	206	7.10	296
	Alaknanada(4*82.5)	330	82	83	3.30	138
	Other Hydro	527	258	120	4.20	175
	Cogeneration	981	100	100	2.40	100
	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**	**6870**	**8022**	**178.44**	**7435**
Uttarakhand	Other Hydro	1250	597	399	10.64	444
	Total Gas	225	92	96	2.36	98
	Wind Power	0	0	0	0.05	2
	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	0.05	2
	Total Uttarakhand	1802	689	495	13.05	544
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	78	76	1.83	76
	Pragati Gas Turbine (2x104+ 1x122)	330	161	160	3.71	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	165	165	3.83	160
	Thermal (Total)	**2917**	**654**	**651**	**15.39**	**641**
	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**	**654**	**651**	**15.39**	**641**

HP	Baspa HPS (IPP) (3*100)	300	120	70	2.01	84
	Malana HPS (IPP) (2*43)	86	12	0	0.59	25
	Other Hydro	372	144	120	3.18	132
	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	113	107	2.78	116
	Renewable(Total)	**486**	**113**	**107**	**2.78**	**116**
	Total HP	**1244**	**389**	**297**	**8.56**	**357**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	290	290	6.96	290
	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**	**428**	**383**	**10**	**405**
Total State Control Area Generation		**50078**	**19068**	**19674**	**456.44**	**19018**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7375**	**7062**	**184.06**	**7669**
Total Regional Availability(Gross)		**75315**	**43874**	**35048**	**896.39**	**37350**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9532**	**1579**	**90.20**	**3758**
State Control Area Hydro	**7163**	**2654**	**2481**	**61.25**	**2652**
Total Regional Hydro	**19397**	**12187**	**4060**	**151.45**	**6411**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**7356**	**285**	**1442**	**19.68**	**820**
Total Regional Renewable	**7386**	**285**	**1442**	**19.80**	**825**

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)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-250	-250	0	250	0.00	6.04	-6.04
765 KV Gwalior-Agra (D/C)	2400	2057	2753	0	55.51	0.00	55.51
400 KV Zerda-Kankroli	202	-22	202	23	1.15	0.00	1.15
400 KV Zerda-Bhinmal	187	-30	265	55	2.08	0.00	2.08
220 KV Auraiya-Malanpur	-31	-54	0	63	0.00	0.76	-0.76
220 KV Badod-Kota/Morak	69	21	79	7	0.58	0.00	0.58
Mundra-Mohindergarh(HVDC Bipole)	1602	1602	2004	0.00	38.89	0.00	38.89
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1175	1269	1625	0	32.22	0.00	32.22
Sub Total WR	**5354**	**4593**			**130.43**	**6.80**	**123.62**
Pusauli Bypass/HVDC	-57	-44	25	80	0.00	0.82	-0.82
400 KV MZP- GKP (D/C)	202	402	484	0	8.40	0.00	8.40
400 KV Patna-Balia(D/C) X 2	535	560	691	0	13.74	0.00	13.74
400 KV B'Sharif-Balia (D/C)	74	108	250	0	3.32	0.00	3.32
765 KV Gaya-Balia	258	242	322	0	5.95	0.00	5.95
765 KV Gaya-Varanasi (D/C)	406	396	661	0	11.33	0.00	11.33
220 KV Pusauli-Sahupuri	150	179	222	0	4.31	0.00	4.31
132 KV K'nasa-Sahupuri	-32	-26	0	36	0.00	0.60	-0.60
132 KV Son Ngr-Rihand	-34	-34	0	43	0.00	0.93	-0.93
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-110	-57	105	117	0.00	0.75	-0.75
400 KV Barh -GKP (D/C)	412	418	444	0	9.26	0.00	9.26
400 kV B'Sharif - Varanasi (D/C)	17	25	210	0	1.73	0.00	1.73
Sub Total ER	**1821**	**2169**			**58.04**	**3.11**	**54.93**
+/- 800 KV BiswanathCharialli-Agra	200	300	300	0.00	5.51	0.00	5.51
Sub Total NER	**200**	**300**			**5.51**	**0.00**	**5.51**
Total IR Exch	**7375**	**7062**			**193.97**	**9.91**	**184.06**

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
45.14	3.44	48.58	4.75	-0.26	1.34	12.24	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
54.67	135.21	189.88	60.43	123.62	184.06	5.76	-11.59	-5.82

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)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	0	0	0	19	0	0	-0.02

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	0.02	10.74	62.59	74.10	13.54	1.67	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	18.02	49.79	18.09	49.98	0.042	0.062	50.10	0.00	25.90

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	1:44	402	14:35	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	7:57	401	18:09	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	5:03	400	18:11	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	2:46	402	18:11	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	2:46	402	12:24	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	426	2:45	405	18:10	0.0	0.0	21.6	0.0	21.6
Bawana	400	423	2:46	404	11:49	0.0	0.0	10.8	0.0	10.8
Bassi	400	420	21:49	397	5:53	0.0	0.0	0.0	0.0	0.0
Hissar	400	419	2:45	402	11:49	0.0	0.0	0.0	0.0	0.0
Moga	400	423	2:52	406	11:49	0.0	0.0	11.3	0.0	11.3
Abdullapur	400	424	21:49	186	13:35	3.3	3.3	5.0	0.0	8.3
Nalagarh	400	430	2:58	411	10:02	0.0	0.0	42.9	0.0	42.9
Kishenpur	400	426	2:46	401	18:09	0.0	0.0	17.0	0.0	17.0
Wagoora	400	414	3:59	372	18:54	7.5	37.5	0.0	0.0	7.5
Amritsar	400	429	3:59	407	9:58	0.0	0.0	38.6	0.0	38.6
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	4:02	392	11:23	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	775	21:58	752	18:11	0.0	0.0	0.0	0.0	0.0
Balia	765	784	7:57	760	18:12	0.0	0.0	0.0	0.0	0.0
Moga	765	801	21:50	772	10:48	0.0	0.0	0.2	0.0	0.2
Agra	765	788	21:59	755	5:53	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	21:50	775	9:23	0.0	0.0	10.5	0.0	10.5
Unnao	765	762	5:02	742	11:08	0.0	0.0	0.0	0.0	0.0
Lucknow	765	784	5:02	760	18:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	802	21:49	766	5:52	0.0	0.0	0.9	0.0	0.9
Jhatikara	765	800	21:50	771	11:10	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	780	5:02	756	18:11	0.0	0.0	0.0	0.0	0.0
Anta	765	793	21:52	764	12:49	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	21:48	764	12:49	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	499.35	1064.89	509.67	1530.03	286.28	537.31
Pong	426.72	384.05	415.14	680.86	419.03	848.35	56.24	205.01
Tehri	829.79	740.04	823.80	1082.56	818.60	974.26	78.32	143.00
Koteshwar	612.50	598.50	609.49	4.32	609.96	4.54	143.00	146.47
Chamera-I	760.00	748.75	759.85	0.00	0.00	0.00	71.07	60.52
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	514.55	5.02	512.10	3.47	46.96	179.87

*** 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	-92	0	0	-92	-754	0	-2.20	-2.96	-5.16
Delhi	6	-434	0	-94	-35	0	-0.35	-2.38	-2.73
Haryana	-57	201	0	165	363	0	1.87	5.42	7.29
HP	83	0	0	-6	-208	0	3.26	-3.23	0.03
J&K	161	0	0	161	199	0	5.65	1.94	7.59
CHD	0	0	0	0	0	-20	0.00	-0.10	-0.10
Rajasthan	-5	464	0	-7	519	0	-0.13	11.76	11.63
UP	172	0	0	95	-100	0	-3.77	-1.40	-5.17
Uttarakhand	12	260	0	25	249	0	0.40	8.19	8.59
Total	**281**	**492**	**0**	**247**	**233**	**-20**	**4.73**	**17.23**	**21.96**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-92	-92	0	-804	0	0
Delhi	6	-94	197	-568	0	0
Haryana	253	-83	426	-303	0	0
HP	251	-57	276	-743	0	0
J&K	310	161	298	0	0	0
CHD	0	0	0	0	0	-35
Rajasthan	-5	-7	520	458	0	0
UP	207	-557	0	-100	0	0
Uttarakhand	25	12	567	123	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	18
Haryana	1	16
Rajasthan	1	17
Delhi	3	16
UP	1	19
Uttarakhand	5	26
HP	2	21
J & K	2	21
Chandigarh	4	53

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.10.2016 :
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-3 at 400kV Sambha first time charged at 1814Hrs of 25.10.16
2. 125MVAr filter bank Z1 and Z3 at HVDC Agra first time charged at 2019Hrs of 25.10.16

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 : 25.10.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER