पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
उत्तर क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.10.2017
Date of Reporting : 02.10.2017

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
44513	437	44950	49.98	42600	237	42837	50.04	1037.94	13.00

* 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	Gas/Naptha/ Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	81.33	14.76	0.00	0.07	0.00	0.11	96.27	69.40	71.01	1.61	167.28	0.00
Haryana	46.81	0.87	0.00	0.00	0.00	0.00	47.68	84.79	87.87	3.08	135.55	0.18
Rajasthan	88.27	0.65	6.65	2.64	14.49	4.62	117.31	76.44	78.90	2.46	196.21	0.00
Delhi	6.73	0.00	15.15	0.00	0.00	0.00	21.87	63.92	62.73	-1.19	84.60	0.15
UP	180.14	20.01	0.00	0.00	0.00	1.20	201.35	150.63	150.57	-0.06	351.92	0.00
Uttarakhand	0.00	19.98	5.83	0.60	0.00	0.00	26.41	7.91	7.53	-0.38	33.93	0.00
HP	0.00	11.33	0.00	0.00	0.00	6.55	17.88	4.56	4.54	-0.02	22.42	0.00
J & K	0.00	13.76	0.00	0.00	0.00	0.00	13.76	28.31	28.13	-0.17	41.89	12.67
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.91	4.14	-0.77	4.14	0.00
Total	**403.27**	**81.35**	**27.63**	**3.31**	**14.49**	**12.47**	**542.52**	**490.87**	**495.42**	**4.55**	**1037.94**	13.00

* 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	7786	0	-55	-36	6359	0	126	-131	8081	20	0
Haryana	5547	0	195	319	5463	0	175	401	6959	21	0
Rajasthan	7541	0	-48	-78	8109	0	122	6	9445	24	0
Delhi	3655	0	-93	-38	3629	0	136	-73	4086	24	0
UP	15372	0	-195	1756	15399	0	149	1448	16702	21	0
Uttarakhand	1618	0	-85	-76	1308	0	26	-13	1618	19	0
HP	1042	0	-45	-1420	830	0	16	-735	1159	10	0
J&K	1747	437	-347	-64	1343	237	-69	-59	2211	7	553
Chandigarh	206	0	-40	-75	160	0	-17	0	208	20	0
Total	**44513**	**437**	**-713**	**287**	**42600**	**237**	**664**	**843**	**48728**	**20**	**526**

* 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	1690	1869	1716	39.95	1664	39.45	0.49
	Rihand I STPS (2*500)	1000	923	998	986	21.68	903	21.78	-0.10
	Rihand II STPS (2*500)	1000	943	937	959	22.22	926	22.21	0.01
	Rihand III STPS (2*500)	1000	943	911	966	21.73	906	21.87	-0.14
	Dadri I STPS (4*210)	840	435	411	415	10.21	426	10.17	0.04
	Dadri II STPS (2*490)	980	530	514	499	12.22	509	12.28	-0.05
	Unchahar I TPS (2*210)	420	383	305	323	7.12	297	7.44	-0.32
	Unchahar II TPS (2*210)	420	383	236	307	6.38	266	6.88	-0.50
	Unchahar III TPS (1*210)	210	192	121	146	2.91	121	3.21	-0.30
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	674	645	542	14.00	583	14.72	-0.72
	Dadri GPS (4*130.19+2*154.51)	830	728	169	114	3.56	148	3.77	-0.21
	Anta GPS (3*88.71+1*153.2)	419	370	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	600	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	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.06	2	0.07	-0.01
	KHEP(4*200)	800	792	756	214	6.85	286	6.50	0.35
	Sub Total (A)	**12612**	**9590**	**7872**	**7187**	**169**	**7040**	**170**	**-1.46**
B. NPC	NAPS (2*220)	440	381	432	438	9.40	392	9.14	0.25
	RAPS- B (2*220)	440	388	431	435	9.34	389	9.21	0.12
	RAPS- C (2*220)	440	430	450	451	9.80	408	10.32	-0.52
	Sub Total (B)	**1320**	**1199**	**1313**	**1324**	**28.53**	**1189**	**28.68**	**-0.15**
C. NHPC	Chamera I HPS (3*180)	540	534	548	0	4.59	191	4.50	0.09
	Chamera II HPS (3*100)	300	294	300	104	3.84	160	3.75	0.09
	Chamera III HPS (3*77)	231	111	231	75	2.66	111	2.66	0.01
	Bairasuil HPS(3*60)	180	151	124	62	1.09	45	1.05	0.04
	Salal-HPS (6*115)	690	361	549	417	9.03	376	8.68	0.36
	Tanakpur-HPS (3*31.4)	94	91	96	96	2.31	96	2.17	0.14
	Uri-I HPS (4*120)	480	136	308	81	3.33	139	3.26	0.07
	Uri-II HPS (4*60)	240	80	77	77	1.99	83	1.92	0.07
	Dhauliganga-HPS (4*70)	280	184	276	213	4.46	186	4.36	0.10
	Dulhasti-HPS (3*130)	390	387	400	400	9.45	394	9.28	0.17
	Sewa-II HPS (3*40)	120	119	114	0	0.36	15	0.36	0.00
	Parbati 3 (4*130)	520	75	495	0	1.69	70	1.67	0.02
	Sub Total (C)	**4065**	**2521**	**3518**	**1525**	**45**	**1867**	**44**	**1.17**
D.SJVNL	NJPC (6*250)	1500	1482	1516	747	20.21	842	20.02	0.19
	Rampur HEP (6*68.67)	412	408	437	203	5.82	242	5.57	0.25
	Sub Total (D)	**1912**	**1890**	**1953**	**950**	**26.03**	**1084**	**25.59**	**0.44**
E. THDC	Tehri HPS (4*250)	1000	988	1012	0	9.69	404	9.70	-0.01
	Koteshwar HPS (4*100)	400	134	400	89	3.25	135	3.21	0.03
	Sub Total (E)	**1400**	**1122**	**1412**	**89**	**12.94**	**539**	**12.91**	**0.02**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	820	1219	654	19.77	824	19.67	0.10
	Dehar HPS (6*165)	990	399	825	330	9.83	410	9.57	0.26
	Pong HPS (6*66)	396	337	396	198	8.06	336	8.08	-0.01
	Sub Total (F)	**2765**	**1555**	**2440**	**1182**	**37.66**	**1569**	**37.31**	**0.35**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	124	0	1.70	71	1.59	0.11
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	420	10.32	430	10.19	0.13
	Malana Stg-II HPS (2*50)	100	0	112	41	1.13	47	1.06	0.07
	Shree Cement TPS (2*150)	300	0	145	145	3.39	141	3.46	-0.07
	Budhil HPS(IPP) (2*35)	70	0	50	0	0.65	27	0.69	-0.04
	Sainj HPS (IPP) (2*50)	100							
	Sub Total (G)	**1762**	**0**	**1430**	**606**	**17.18**	**716**	**16.99**	**0.19**
H. Total Regional Entities (A-G)		**25837**	**17876**	**19938**	**12863**	**336.10**	**14004**	**335.54**	**0.57**

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	385	110	4.66	194
	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	718	662	15.50	646
	Goindwal(GVK) (2*270)	540	180	180	4.33	181
	Rajpura (2*700)	1400	660	660	15.76	657
	Talwandi Saboo (3*660)	1980	1700	1700	41.09	1712
	Thermal (Total)	**6560**	**3643**	**3312**	81.33	**3389**
	Total Hydro	1000	730	580	14.76	615
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.11	5
	Solar	859	0	0	0.07	3
	Renewable(Total)	**1162**	**0**	**0**	**0.18**	**7**
	Total Punjab	**8722**	**4373**	**3892**	**96.27**	**4011**
Haryana	Panipat TPS (2*210+2*250)	920	404	380	9.29	387
	DCRTPP (Yamuna nagar) (2*300)	600	498	444	11.08	462
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	368	386	8.96	373
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1123	384	17.48	728
	Thermal (Total)	**4497**	**2393**	**1594**	**46.81**	**1950**
	Total Hydro	62	34	36	0.87	36
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.00	0
	Solar	50	0	0	0.00	0
	Renewable(Total)	**156**	**0**	**0**	**0.00**	**0**
	Total Haryana	**4715**	**2427**	**1630**	**47.68**	**1987**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	587	584	13.77	574
	suratgarh TPS (6*250)	1500	521	659	13.84	577
	Chabra TPS (4*250)	1000	766	755	17.93	747
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	87	86	2.15	90
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	186	186	4.50	187
	RAPS A (NPC) (1*100+1*200)	300	169	171	4.16	173
	Barsingsar (NLC) (2*125)	250	220	220	5.12	213
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	457	827	17.86	744
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	798	1004	19.75	823
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**9536**	**3791**	**4492**	**99.07**	**4128**
	Total Hydro	550	60	114	0.65	27
	Wind power	4292	344	584	14.49	604
	Biomass	102	19	19	0.46	19
	Solar	1995	0	0	2.64	110
	Renewable/Others (Total)	6389	363	603	17.59	733
	Total Rajasthan	**16475**	**4214**	**5209**	**117.31**	**4888**
UP	Anpara TPS (3*210+2*500)	1630	1175	1199	29.29	1220
	Obra TPS (2*50+2*94+5*200)	1194	418	433	10.01	417
	Paricha TPS (2*110+2*220+2*250)	1160	770	661	15.05	627
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	430	445	9.49	396
	Tanda TPS (NTPC) (4*110)	440	205	370	7.79	325
	Roza TPS (IPP) (4*300)	1200	755	740	18.08	753
	Anpara-C (IPP) (2*600)	1200	1073	1064	24.89	1037
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	442	449	10.64	443
	Lalitpur TPS(3*660)	1980	1238	1242	27.45	1144
	Bara(2*660)	1320	1199	1179	27.44	1143
	Thermal (Total)	**12449**	**7705**	**7782**	**180.14**	**7506**
	Vishnuparyag HPS (IPP)(4*110)	440	395	385	9.03	376
	Alaknanada(4*82.5)	330	252	254	6.08	253
	Other Hydro	527	181	206	4.90	204
	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**	**8583**	**8677**	**201.35**	**8389**
Uttarakhand	Other Hydro	1250	840	817	19.98	832
	Total Gas	450	229	232	5.83	243
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.60	25
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.60	25
	Total Uttarakhand	**2107**	**1069**	**1049**	**26.41**	**1100**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	72	1.83	76
	Pragati Gas Turbine (2x104+ 1x122)	330	305	265	6.74	281
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	300	250	6.58	274
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	6.73	281
	Thermal (Total)	**2917**	**1006**	**917**	**21.87**	**911**
	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**	**1006**	**917**	**21.87**	**911**
HP	Baspa HPS (IPP) (3*100)	300	140	150	3.54	148
	Malana HPS (IPP) (2*43)	86	89	31	0.96	40
	Other Hydro (>25MW)	372	333	290	6.83	285
	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	292	271	6.55	273
	Renewable(Total)	**486**	**292**	**271**	**6.55**	**273**
	Total HP	**1244**	**854**	**742**	**17.88**	**745**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	588	440	11.35	473
	Other Hydro/IPP(including 98 MW Small Hydro)	308	98	92	2.40	100
	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**	**686**	**532**	**14**	**573**
Total State Control Area Generation		**52451**	**23212**	**22648**	**542.52**	**22605**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5816**	**8291.47**	**168.74**	**7031**
Total Regional Availability(Gross)		**78288**	**48965**	**43803**	**1047.36**	**43640**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**11314**	**4421**	**142.07**	**5893**
State Control Area Hydro	**7468**	**4261**	**3898**	**81.35**	**3930**
Total Regional Hydro	**19702**	**15575**	**8319**	**223.42**	**9823**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**8844**	**655**	**874**	**24.91**	**1038**
Total Regional Renewable	**8874**	**655**	**874**	**25.04**	**1043**

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	-500	0	500	0.00	12.15	-12.15
765 KV Gwalior-Agra (D/C)	1393	2001	2329	0	37.81	0.00	37.81
400 KV Zerda-Kankroli	-153	-53	44	265	0.00	2.92	-2.92
400 KV Zerda-Bhinmal	-50	-70	62	223	0.00	2.36	-2.36
220 KV Auraiya-Malanpur	-39	-37	0	87	0.00	1.23	-1.23
220 KV Badod-Kota/Morak	-20	30	83	20	0.66	0.00	0.66
Mundra-Mohindergarh(HVDC Bipole)	999	1201	1203	0	26.08	0.00	26.08
400 KV RAPPC-Sujalpur	330	200	357	0	5.63	0.00	5.63
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	767	1061	591	0	23.84	0.00	23.84
+/- 800 kV HVDC Champa-Kurushetra	300	500	500	0	8.18	0	8.18
Sub Total WR	**3027**	**4333**			**102.20**	**18.65**	**83.55**
400 kV Sasaram - Varanasi	184	176	184	0	4.30	0.00	4.30
400 kV Sasaram - Allahabad	57	68	81	0	1.54	0.00	1.54
400 KV MZP- GKP (D/C)	482	728	788	0	15.79	0.00	15.79
400 KV Patna-Balia(D/C) X 2	664	987	1022	0	20.69	0.00	20.69
400 KV B'Sharif-Balia (D/C)	141	224	251	0	4.96	0.00	4.96
765 KV Gaya-Balia	242	232	306	0	4.59	0.00	4.59
765 KV Gaya-Varanasi (D/C)	155	273	375	0	4.56	0.00	4.56
220 KV Pusauli-Sahupuri	182	213	244	0	4.56	0.00	4.56
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-19	-33	0	35	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-169	-127	0	219	0.00	2.80	-2.80
400 KV Barh -GKP (D/C)	-190	-156	0	204	0.00	3.27	-3.27
400 kV B'Sharif - Varanasi (D/C)	60	73	113	60	0.99	0.00	0.99
+/- 800 KV HVDC Alipurduar-Agra	300	600	700	0	14.91	0.00	14.91
Sub Total ER	**2089**	**3258**			**76.89**	**6.61**	**70.28**
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	1000	0.00	14.91	0.00	14.91
Sub Total NER	**700**	**700**			**14.91**	**0.00**	**14.91**
Total IR Exch	**5816**	**8291**			**194.00**	**25.26**	**168.74**

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
32.68	2.70	35.38	-6.41	-1.09	10.28	-1.28	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
39.24	131.00	170.24	85.19	83.55	168.74	45.95	-47.45	-1.50

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	-23	0	0	23	0	0	-0.08

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	1.59	37.01	75.94	21.06	2.30	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	17.47	49.84	8.20	50.01	0.025	0.048	50.10	49.93	24.06

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	403	3:01	398	18:40	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	16:41	389	22:05	0.0	2.3	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	16:59	399	22:14	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	17:03	402	19:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	416	3:51	401	19:07	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	420	3:56	401	19:11	0.0	0.0	0.0	0.0	0.0
Bawana	400	416	3:55	400	19:07	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	4:01	398	23:12	0.0	0.0	3.6	0.0	3.6
Hissar	400	416	3:37	397	19:10	0.0	0.0	0.0	0.0	0.0
Moga	400	417	3:51	400	19:08	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	422	3:51	406	19:07	0.0	0.0	6.7	0.0	6.7
Nalagarh	400	425	3:50	410	19:07	0.0	0.0	34.1	0.0	34.1
Kishenpur	400	422	4:01	399	19:07	0.0	0.0	3.5	0.0	3.5
Wagoora	400	415	3:31	376	18:58	6.5	53.1	0.0	0.0	6.5
Amritsar	400	423	3:37	407	19:07	0.0	0.0	6.7	0.0	6.7
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	420	3:59	404	19:07	0.0	0.0	0.0	0.0	0.0

Rishikesh	400	0	0:00	0	0:00	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 Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	779	3:55	746	9:15	0.0	0.0	0.0	0.0	0.0
Balia	765	789	17:02	751	22:12	0.0	0.0	0.0	0.0	0.0
Moga	765	798	3:55	766	19:11	0.0	0.0	0.0	0.0	0.0
Agra	765	796	3:58	762	19:13	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	3:51	775	19:06	0.0	0.0	5.9	0.0	5.9
Unnao	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Lucknow	765	791	17:03	752	22:15	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	3:57	770	19:10	0.0	0.0	7.0	0.0	7.0
Jhatikara	765	802	8:03	771	19:10	0.0	0.0	0.5	0.0	0.5
Bareilly 765 kV	765	794	17:00	760	22:18	0.0	0.0	0.0	0.0	0.0
Anta	765	792	3:59	770	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	801	3:59	766	23:12	0.0	0.0	1.0	0.0	1.0

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)	nflow (m^3/s)	Usage (m^3/s)
Bhakra	513.59	445.62	508.74	1485.27	502.65	1205.87	424.07	594.88
Pong	426.72	384.05	420.39	902.94	416.41	730.66	153.53	466.92
Tehri	829.79	740.04	824.85	1104.78	824.50	1097.37	171.43	211.00
Koteshwar	612.50	598.50	611.25	5.20	609.09	4.21	211.00	213.76
Chamera-I	760.00	748.75	754.25	0.00	0.00	0.00	126.54	124.78
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	518.86	4.36	517.73	5.11	143.38	281.38

*** 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)	ilateral (MU	IEX / PXIL (MU)	Total (MU)
Punjab	-131	0	0	-36	0	0	-1.40	0.01	-1.39
Delhi	-52	-21	0	-72	34	0	-0.96	-0.26	-1.22
Haryana	306	95	0	306	12	0	3.23	1.54	4.77
HP	-121	-614	0	-266	-1154	0	-3.79	-13.61	-17.40
J&K	-59	0	0	-59	-5	0	-1.42	2.92	1.50
CHD	0	0	0	0	-75	0	0.00	-0.29	-0.29
Rajasthan	-112	117	0	-112	33	0	-2.61	4.86	2.25
UP	49	1398	0	59	1697	0	1.26	24.18	25.44
Uttarakhand	11	-24	0	10	-86	0	0.85	-0.94	-0.10
Total	**-109**	**952**	**0**	**-168**	**455**	**0**	**-4.85**	**18.41**	**13.56**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	65	-131	6	0	0	0
Delhi	76	-92	119	-233	0	0
Haryana	306	49	98	12	0	0
HP	-109	-277	-98	-1154	0	0
J&K	-59	-59	400	-5	0	0
CHD	0	0	10	-75	0	0
Rajasthan	-103	-112	744	27	0	0
UP	60	49	1893	-70	0	0
Uttarakhand	70	10	127	-229	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	0	12
Haryana	3	24
Rajasthan	1	20
Delhi	4	28
UP	1	15
Uttarakhand	4	27
HP	3	20
J & K	2	26
Chandigarh	5	48

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.10.2017 :

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 : 01.10.2017 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**