

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईड की पूर्ण स्वामित्व प्राप्त सार्वजनिक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 09.10.2016
Date of Reporting : 10.10.2016



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
43005	445	43450	50.05	41005	278	41283	0.00	969.2	8.63

* Half hourly (two 15 minutes block-one block each before and after the designated time) average frequency

UI (OD:(+ve), UD: (-ve))

II. A. State's Load Details (At States periphery) in MUs:

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	66.49	11.65		79.20	78.65	79.14	0.49	158.34	0.00
Haryana	46.87	0.85		47.72	96.33	96.47	0.14	144.19	0.00
Rajasthan	93.57	2.00	23.11	118.68	57.45	58.22	0.77	176.90	0.00
Delhi	19.29			19.29	71.55	71.20	-0.35	90.49	0.05
UP	158.77	16.67		175.44	128.81	126.45	-2.35	301.89	0.00
Uttarakhand		13.87		16.99	18.24	18.12	-0.12	35.12	0.00
HP		10.96		10.96	11.20	12.88	1.67	23.84	0.00
J & K		14.59	0.00	14.59	23.43	19.75	-3.68	34.34	8.59
Chandigarh				0.00	4.36	4.08	-0.28	4.08	0.00
Total	384.99	70.59	23.11	482.87	490.01	486.32	-3.70	969.18	8.63

* Shortage furnished by the respective constituent. \$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

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	6780	0	106	402	6007	0	48	162	6870	20:00	0
Haryana	6982	0	-333	805	5302	0	55	823	7358	20:00	0
Rajasthan	7065	0	-170	615	7919	0	56	640	8189	1:00	0
Delhi	3928	0	-100	214	3851	0	155	33	4264	24:00	0
UP	13490	0	-320	761	14430	0	-22	1709	14559	2:00	0
Uttarakhand	1735	0	165	154	1350	0	-42	378	1735	19:00	0
HP	1045	0	-15	-614	874	0	154	-121	1177	8:00	0
J&K	1780	445	-85	-38	1111	278	-73	-189	1780	19:00	445
Chandigarh	201	0	-67	-10	162	0	10	0	202	20:00	0
Total	43005	445	-819	2289	41005	278	341	3434	44321	20:00	426

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

III. Regional Entities :

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	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1677	1813	1652	37.22	1551	37.01	0.21	
Rihand I STPS (2*500)	1000	943	745	985	19.67	820	19.97	-0.31	
Rihand II STPS (2*500)	1000	943	682	1005	19.85	827	20.26	-0.40	
Rihand III STPS (2*500)	1000	457	375	471	9.60	400	9.76	-0.17	
Dadri I STPS (4*210)	840	815	431	558	12.47	520	12.88	-0.41	
Dadri II STPS (2*490)	980	970	671	721	16.37	682	17.56	-1.18	
Unchahar I TPS (2*210)	420	153	125	158	3.00	125	2.99	0.01	
Unchahar II TPS (2*210)	420	400	290	386	7.00	292	7.43	-0.42	
Unchahar III TPS (1*210)	210	200	129	170	3.15	131	3.72	-0.57	
ISTPP (Jhajjar) (3*500)	1500	1425	616	651	13.87	578	14.10	-0.22	
Dadri GPS (4*130.19+2*154.51)	830	778	246	369	6.60	275	6.83	-0.23	
Anta GPS (3*88.71+1*153.2)	419	389	267	277	6.61	275	6.07	0.54	
Auraiya GPS (4*111.19+2*109.30)	663	626	151	154	3.54	148	3.60	-0.06	
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar(10)	10	1	0	0	0.03	1	0.04	0.00	
Singrauli Solar(15)	15	2	0	0	0.04	1	0.04	-0.01	
KHEP(4*200)	800	858	856	0	4.25	177	4.00	0.25	
Sub Total (A)	12112	10639	7397	7557	163	6803	166	-2.99	
B. NPC									
NAPS (2*220)	440	186	186	186	4.46	186	4.46	0.00	
RAPS- B (2*220)	440	371	373	373	8.96	373	8.90	0.05	
RAPS- C (2*220)	440	0	0	0	-0.21	-9	0.00	-0.21	
Sub Total (B)	1320	557	559	559	13.21	550	13.37	-0.16	
C. NHPC									
Chamera I HPS (3*180)	540	540	544	0	3.64	152	3.50	0.14	
Chamera II HPS (3*100)	300	301	310	101	3.03	126	3.00	0.03	
Chamera III HPS (3*77)	231	160	230	0	1.90	79	1.89	0.01	
Bairasuil HPS(3*60)	180	179	124	0	1.08	45	1.05	0.03	
Salal-HPS (6*115)	690	379	450	215	9.45	394	9.10	0.35	
Tanakpur-HPS (3*31.4)	94	70	58	63	1.73	72	1.69	0.04	
Uri-I HPS (4*120)	480	128	257	82	3.27	136	3.08	0.19	
Uri-II HPS (4*60)	240	81	170	45	1.91	80	1.95	-0.03	
Dhauliganga-HPS (4*70)	280	280	273	0	2.40	100	2.31	0.09	
Dulhasti-HPS (3*130)	390	383	398	393	9.27	386	9.18	0.09	
Sewa-II HPS (3*40)	120	119	116	0	0.33	14	0.36	-0.03	
Parbati 3 (4*130)	520	390	394	0	1.23	51	1.17	0.06	
Sub Total (C)	4065	3010	3324	899	39	1636	38	0.97	
D.SJVNL									
NJPC (6*250)	1500	1605	1617	250	16.24	677	16.27	-0.02	
Rampur HEP (6*68.67)	412	427	375	75	4.41	184	4.31	0.10	
Sub Total (D)	1912	2032	1992	325	20.65	861	20.58	0.08	
E. THDC									
Tehri HPS (4*250)	1000	1071	1081	0	6.12	255	6.00	0.12	
Koteshwar HPS (4*100)	400	88	201	70	2.10	87	2.10	0.00	
Sub Total (E)	1400	1159	1282	70	8.21	342	8.10	0.11	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	846	1080	758	20.65	860	20.31	0.34	
Dehar HPS (6*165)	990	355	660	280	8.70	363	8.52	0.19	
Pong HPS (6*66)	396	171	330	132	4.20	175	4.11	0.08	
Sub Total (F)	2765	1372	2070	1170	33.54	1398	32.93	0.61	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	48	79	1.09	46	1.06	0.04	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	850	400	9.06	378	9.01	0.05	
Malana Stg-II HPS (2*50)	100	0	50	25	0.71	29	0.72	-0.02	
Shree Cement TPS (2*150)	300	0	-3	55	0.19	8	0.36	-0.17	
Budhil HPS(IPP) (2*35)	70	0	20	25	0.53	22	0.88	-0.35	
Sub Total (G)	1662	0	965	584	11.58	483	12.02	-0.44	
H. Total Regional Entities (A-G)	25237	18769	17589	11163	289.73	12072	291.54	-1.81	

Diversity is 1.04

UI (OG:(+ve), UG: (-ve))

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)	
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	520	530	11.83	493	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.99	83	
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	223	223	4.89	204	
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1	
	Rajpura (2*700)	1400	1220	1320	30.91	1288	
	Talwandi Saboo (3*660)	1980	616	716	16.90	704	
	Thermal (Total)	6560	2669	2879	66.49	2770	
	Total Hydro	1000	493	466	11.65	486	
	Wind Power	0	0	0	0.00	0	
	Biomass	288	33	33	0.80	33	
	Solar	560	0	0	0.26	11	
	Renewable(Total)	848	33	33	1.06	44	
	Total Punjab	8408	3195	3378	79.20	3300	
	Haryana	Panipat TPS (2*210+2*250)	920	754	775	17.74	739
		DCRTPP (Yamuna nagar) (2*300)	600	511	467	11.01	459
		Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
RGTPP (khedar) (IPP) (2*600)		1200	741	752	18.12	755	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	2006	1994	46.87	1953	
Total Hydro		62	37	31	0.85	35	
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	2043	2025	47.72	1988	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	844	847	20.00	833
	suratgarh TPS (6*250)	1500	0	0	0.00	0	
	Chabra TPS (4*250)	1000	734	872	18.14	756	
	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	118	125	3.01	125	
	RAPS A (NPC) (1*100+1*200)	300	169	170	4.21	176	
	Barsingsar (NLC) (2*125)	250	114	111	2.57	107	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	517	712	12.93	539	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	409	409	9.81	409	
	Kawai(Adani) (2*660)	1320	871	1089	22.88	954	
	Thermal (Total)	8876	3776	4335	93.57	3899	
	Total Hydro	550	90	120	2.00	83	
	Wind power	4017	625	912	19.66	819	
	Biomass	99	24	24	0.57	24	
	Solar	1295	3	0	2.88	120	
	Renewable/Others (Total)	5411	652	936	23.11	963	
	Total Rajasthan	14837	4518	5391	118.68	4945	
	UP	Anpara TPS (3*210+2*500)	1630	898	819	25.42	1059
Obra TPS (2*50+2*94+5*200)		1194	265	290	6.20	258	
Paricha TPS (2*110+2*220+2*250)		1160	662	914	17.70	738	
Panki TPS (2*105)		210	131	135	3.20	133	
Harduaganj TPS (1*60+1*105+2*250)		665	457	497	11.10	463	
Tanda TPS (NTPC) (4*110)		440	366	370	8.29	346	
Roza TPS (IPP) (4*300)		1200	943	1116	22.64	943	
Anpara-C (IPP) (2*600)		1200	954	990	22.99	958	
Bajaj Energy Pvt.Ltd.(IPP) TPS (10*45)		450	253	405	7.33	305	
Anpara-D(2*500)		1000	867	753	13.52	563	
Lalitpur TPS(3*660)		1980	894	860	19.19	800	
Bara(2*660)		1320	0	0	0.00	0	
Thermal (Total)		12449	6690	7149	157.57	6565	
Vishnuparyag HPS (IPP)(4*110)		440	296	306	7.33	305	
Alakanada(4*82.5)		330	164	163	3.20	133	
Other Hydro		527	268	246	6.15	256	
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	7468	7914	175.44	7310	
Uttarakhand		Other Hydro	1250	630	516	13.87	578
	Total Gas	225	158	94	3.13	130	
	Wind Power	0	0	0	0.00	0	
	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	0.00	0	
	Total Uttarakhand	1802	788	610	16.99	708	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	72	70	1.80	75	
	Pragati Gas Turbine (2x104+ 1x122)	330	148	145	3.67	153	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	251	250	6.06	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	7.78	324	
	Thermal (Total)	2917	801	795	19.29	804	
	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	801	795	19.29	804		

HP	Baspa HPS (IPP) (3*100)	300	78	58	2.67	111
	Malana HPS (IPP) (2*43)	86	39	16	0.77	32
	Other Hydro	372	162	180	3.97	165
	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	150	144	3.55	148
	Renewable(Total)	486	150	144	3.55	148
	Total HP	1244	430	398	10.96	457
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	439	546	11.82
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	577	639	15	608
Total State Control Area Generation		50078	19820	21150	482.87	20119
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		9054	9340	221.33	9222	
Total Regional Availability(Gross)		75315	46463	41654	993.93	41414

IV. Total Hydro Generation:						
Regional Entities Hydro	12234	10472	2968	116.78	4866	
State Control Area Hydro	7163	3143	2979	70.59	3071	
Total Regional Hydro	19397	13615	5946	187.37	7937	

V. Total Renewable Generation:						
Regional Entities Renewable	30	0	0	0.09	4	
State Control Area Renewable	7356	836	1114	27.71	1155	
Total Regional Renewable	7386	836	1114	27.80	1158	

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)	-500	-100	0	500	0.00	6.83	-6.83
765 KV Gwalior-Agra (D/C)	2701	2382	2774	0	55.50	0.00	55.50
400 KV Zerda-Kankrol	81	89	144	0	1.75	0.00	1.75
400 KV Zerda-Bhinmal	60	62	197	24	1.59	0.00	1.59
220 KV Auraiya-Malanpur	-21	-60	0	79	0.00	1.16	-1.16
220 KV Badod-Kota/Morak	92	121	175	0	2.56	0.00	2.56
Mundra-Mohindergarh(HVDC Bipole)	2002	1998	2005	0.00	48.39	0.00	48.39
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1188	1100	1419	0	28.80	0.00	28.80
Sub Total WR	5603	5592			138.59	7.98	130.60
Pusauli Bypass/HVDC	150	150	150	0	4.20	0.00	4.20
400 KV MZP- GKP (D/C)	499	565	751	0	13.78	0.00	13.78
400 KV Patna-Balia(D/C) X 2	533	686	779	0	16.02	0.00	16.02
400 KV B'Sharif-Balia (D/C)	174	254	296	0	5.55	0.00	5.55
765 KV Gaya-Balia	374	387	414	0	8.38	0.00	8.38
765 KV Gaya-Varanasi (D/C)	717	675	740	0	16.33	0.00	16.33
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-28	-32	0	36	0.00	0.28	-0.28
132 KV Son Ngr-Rihand	-24	-11	0	36	0.00	0.42	-0.42
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-27	6	167	27	1.64	0.00	1.64
400 KV Barh -GKP (D/C)	476	436	502	0	9.90	0.00	9.90
400 KV B'Sharif - Varanasi (D/C)	140	165	249	0	4.45	0.00	4.45
Sub Total ER	2984	3281			80.25	0.69	79.55
+/- 800 KV BiswanathCharialli-Agra	467	467	479	0.00	11.18	0.00	11.18
Sub Total NER	467	467			11.18	0.00	11.18
Total IR Exch	9054	9340			230.01	8.68	221.33

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
45.00	3.42	48.42	18.09	10.26	6.10	15.59	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incls Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
72.62	143.20	215.82	90.73	130.60	221.33	18.10	-12.60	5.51

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	-28	0	0	29	0	0	-0.15

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	0.53	33.12	70.68	23.81	5.06	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
Freq	Time	Freq	Time	50.02	0.029	0.049	0.00	0.00	29.32
50.19	14.02	49.85	4.53						

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	10:44	403	00:44	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	06:31	398	18:38	0.0	0.0	0.3	0.0	0.3
Bareilly(PG)400kV	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	07:51	403	18:36	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	07:05	402	18:38	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	424	07:52	404	18:39	0.0	0.0	12.6	0.0	12.6
Bawana	400	420	08:04	401	18:40	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	04:00	399	18:54	0.0	0.0	0.0	0.0	0.0
Hissar	400	416	03:56	399	18:37	0.0	0.0	0.0	0.0	0.0
Moga	400	419	02:44	402	18:36	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	426	03:01	408	18:36	0.0	0.0	42.5	0.0	42.5
Nalagarh	400	429	03:57	413	18:50	0.0	0.0	64.2	0.0	64.2
Kishenpur	400	424	02:59	399	18:37	0.0	0.0	9.9	0.0	9.9
Wagoora	400	417	02:59	370	18:39	8.5	40.5	0.0	0.0	8.5
Amritsar	400	426	02:57	407	18:36	0.0	0.0	19.3	0.0	19.3
Kashipur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	415	17:44	408	18:26	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	07:05	398	18:36	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	0	00:00	0	00:00	100.0	100.0	0.0	0.0	100.0
Balia	765	787	08:19	768	00:05	0.0	0.0	0.0	0.0	0.0
Moga	765	796	02:45	767	18:38	0.0	0.0	0.0	0.0	0.0
Agra	765	793	08:00	752	18:56	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	03:01	771	18:35	0.0	0.0	0.0	0.0	0.0
Unnao	765	769	08:00	743	18:38	0.0	0.0	0.0	0.0	0.0
Lucknow	765	794	06:32	760	18:38	0.0	0.0	0.0	0.0	0.0
Meerut	765	773	00:00	773	00:00	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	796	06:30	765	18:38	0.0	0.0	0.0	0.0	0.0
Anta	765	791	15:35	768	18:39	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	03:47	767	18:39	0.0	0.0	0.0	0.0	0.0

Note : '0' in Max / Min Col -> Telemetry Outage

IX. Reservoir Parameters:

Name of Reservoir	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	502.03	1179.55	510.74	1590.18	331.90	640.58
Pong	426.72	384.05	416.07	718.14	420.35	902.94	110.46	253.61
Tehri	829.79	740.04	824.60	1099.49	821.05	1023.38	143.10	132.00
Koteshwar	612.50	598.50	609.52	4.44	610.74	4.95	132.00	138.36
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	96.58	99.22
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1157.00	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	516.77	3.39	513.60	3.70	104.23	135.79

* 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	162	0	0	402	0	0	8.08	0.02	8.10
Delhi	26	7	0	105	109	0	3.18	0.97	4.16
Haryana	496	327	0	512	293	0	12.64	5.09	17.74
HP	-54	-67	0	-133	-481	0	-2.37	-4.82	-7.19
J&K	-38	-151	0	-38	0	0	0.28	-1.21	-0.94
CHD	0	0	0	0	0	-10	0.00	0.08	0.08
Rajasthan	-5	645	0	-7	622	0	-0.13	15.01	14.89
UP	730	979	0	761	0	0	16.63	5.25	21.88
Uttarakhand	36	342	0	36	118	0	0.87	6.92	7.78
Total	1353	2081	0	1637	662	-10	39.18	27.32	66.50

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	402	141	2	0	0	0
Delhi	265	19	323	-148	0	0
Haryana	692	330	329	-328	0	0
HP	-54	-133	63	-654	0	0
J&K	61	-38	0	-202	0	0
CHD	0	0	0	0	20	-26
Rajasthan	-5	645	591	0	0	0
UP	851	602	979	-100	0	0
Uttarakhand	36	36	505	67	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	100.00%
Simultaneous	4.17%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
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XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	0	9
Haryana	2	23
Rajasthan	4	26
Delhi	1	13
UP	0	12
Uttarakhand	3	14
HP	2	24
J & K	1	14
Chandigarh	4	29

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:**

XV. Weather Conditions For 09.10.2016 :
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 : 09.10.2016

परी प्रभारी अभियंता / SHIFT CHARGE ENGINEER