

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पॉवर सिस्टम की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.09.2016

Date of Reporting : 28.09.2016

I. Regional Availability/Demand:

Evening Peak (20:00 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
47576	694	48270	50.00	43059	2335	45394	50.01	1045.2	32.36

* 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	84.92	16.49		101.41	87.62	87.01	-0.61	188.42	0.00
Haryana	41.24	0.93		42.17	123.54	121.22	-2.32	163.39	0.00
Rajasthan	128.70	1.53	26.08	156.31	56.13	54.36	-1.77	210.67	0.00
Delhi	16.68			16.68	86.02	86.25	0.23	102.93	0.02
UP	139.58	21.48		161.06	114.38	115.71	1.32	276.76	23.93
Uttarakhand		17.38		22.70	13.58	16.19	2.61	38.89	0.08
HP		14.89		14.89	9.24	10.86	1.63	25.76	0.00
J & K		14.17	0.00	14.17	19.32	19.17	-0.15	33.34	8.33
Chandigarh				0.00	5.25	5.07	-0.18	5.07	0.00
Total	411.12	86.88	26.08	529.39	515.08	515.84	0.76	1045.23	32.36

* 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 (20:00 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	8507	0	-161	674	7026	0	16	835	8507	20:00	0
Haryana	8351	0	-36	2197	6835	0	-173	1773	8351	20:00	0
Rajasthan	9098	0	-266	312	9059	0	-113	346	9460	24:00	0
Delhi	4791	0	127	458	4211	0	64	320	5065	24:00	0
UP	11787	170	-211	293	12373	2065	36	689	13457	1:00	770
Uttarakhand	1818	75	122	-190	1400	0	124	-19	1942	19:00	0
HP	1190	0	18	-1045	908	0	25	-512	1289	8:00	0
J&K	1796	449	-28	-215	1080	270	22	-463	1796	20:00	449
Chandigarh	239	0	-44	-15	167	0	18	0	253	16:00	0
Total	47576	694	-479	2469	43059	2335	19	2970	47576	20:00	694

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

Diversity is : 1.05

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

III. Regional Entities :

Entity	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
	Rihand I STPS (2*500)	1000	803	378	1011	18.87	786	19.25	-0.38
	Rihand II STPS (2*500)	1000	933	999	1022	22.37	932	22.00	0.37
	Rihand III STPS (2*500)	1000	934	1003	1016	22.43	935	22.33	0.10
	Dadri I STPS (4*210)	840	815	830	596	16.03	668	16.76	-0.73
	Dadri II STPS (2*490)	980	893	939	863	18.69	779	20.31	-1.62
	Unchahar I TPS (2*210)	420	153	155	167	3.57	149	3.64	-0.06
	Unchahar II TPS (2*210)	420	400	371	432	9.35	390	9.47	-0.12
	Unchahar III TPS (1*210)	210	200	184	215	4.59	191	4.71	-0.12
	ISTPP (Jhajjar) (3*500)	1500	1425	0	0	0.00	0	0.00	0.00
	Dadri GPS (4*130.19+2*154.51)	830	785	386	367	8.56	357	8.97	-0.41
	Anta GPS (3*88.71+1*153.2)	419	393	223	251	5.74	239	5.67	0.07
	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	1	0	0	0.02	1	0.03	0.00
	Singrauli Solar(15)	15	1	0	0	0.02	1	0.02	0.00
	KHEP(4*200)	800	839	856	0	8.48	353	8.00	0.48
	Sub Total (A)	12112	10573	7837	7457	173	7202	174	-1.26
B. NPC	NAPS (2*220)	440	190	212	214	4.54	189	4.56	-0.02
	RAPS- B (2*220)	440	371	406	417	8.77	366	8.90	-0.13
	RAPS- C (2*220)	440	0	0	0	-0.25	-10	0.00	-0.25
	Sub Total (B)	1320	561	618	631	13.07	544	13.46	-0.40
C. NHPC	Chamera I HPS (3*180)	540	540	410	0	3.74	156	3.55	0.19
	Chamera II HPS (3*100)	300	301	312	102	3.82	159	3.70	0.12
	Chamera III HPS (3*77)	231	221	228	80	2.43	101	2.20	0.23
	Bairasuil HPS(3*60)	180	179	0	0	0.00	0	1.29	-1.29
	Salal-HPS (6*115)	690	345	454	453	8.85	369	8.28	0.57
	Tanakpur-HPS (3*31.4)	94	70	74	81	1.93	81	1.69	0.24
	Uri-I HPS (4*120)	480	200	224	157	5.09	212	4.79	0.30
	Uri-II HPS (4*60)	240	108	182	82	2.70	112	2.58	0.11
	Dhauliganga-HPS (4*70)	280	280	285	70	3.15	131	3.01	0.14
	Dulhasti-HPS (3*130)	390	383	396	389	9.25	385	9.18	0.07
	Sewa-II HPS (3*40)	120	119	34	0	0.69	29	0.65	0.04
	Parbati 3 (4*130)	520	520	391	0	1.62	67	1.56	0.06
	Sub Total (C)	4065	3266	2989	1414	43	1802	42	0.77
D.SJVNL	NJPC (6*250)	1500	1605	1592	526	22.07	920	21.60	0.47
	Rampur HEP (6*68.67)	412	442	447	148	6.34	264	6.02	0.32
	Sub Total (D)	1912	2047	2039	674	28.41	1184	27.62	0.79
E. THDC	Tehri HPS (4*250)	1000	1071	1059	0	12.06	502	11.50	0.56
	Koteshwar HPS (4*100)	400	158	303	91	3.90	163	3.80	0.10
	Sub Total (E)	1400	1230	1362	91	15.96	665	15.30	0.66
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	756	1197	579	18.38	766	18.14	0.24
	Dehar HPS (6*165)	990	425	660	330	10.48	437	10.21	0.27
	Pong HPS (6*66)	396	280	396	198	6.87	286	6.73	0.14
	Sub Total (F)	2765	1462	2253	1107	35.73	1489	35.08	0.65
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	80	67	1.57	66	1.51	0.06
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	865	550	12.18	507	11.66	0.52
	Malana Stg-II HPS (2*50)	100	0	96	35	1.08	45	0.99	0.09
	Shree Cement TPS (2*150)	300	0	293	296	6.76	282	6.65	0.11
	Budhil HPS(IPP) (2*35)	70	0	30	35	0.74	31	0.95	-0.21
	Sub Total (G)	1662	0	1364	983	22.33	931	21.76	0.57
H. Total Regional Entities (A-G)		25237	19138	18462	12357	331.61	13817	329.83	1.78

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	840	720	16.88	703
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	112	2.32	96
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	466	463	9.75	406
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	1320	31.70	1321
	Talwandi Saboo (3*660)	1980	1228	700	24.30	1013
	Thermal (Total)	6560	3974	3315	84.92	3539
	Total Hydro	1000	659	711	16.49	687
	Wind Power	0	0	0	0.00	0
	Biomass	73	0	0	0.00	0
	Solar	494	0	0	0.00	0
	Renewable(Total)	567	0	0	0.00	0
	Total Punjab	8127	4633	4026	101.41	4226
Haryana	Panipat TPS (2*210+2*250)	920	207	588	7.33	305
	DCRTPP (Yamuna nagar) (2*300)	600	469	466	10.99	458
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	186	168	4.10	171
	RGTPP (khedar) (IPP) (2*600)	1200	917	781	18.82	784
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4497	1779	2003	41.24	1718
	Total Hydro	62	41	41	0.93	39
	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	1820	2044	42.17	1757
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	883	882	20.94	872
	suratgarh TPS (6*250)	1500	1023	1045	21.54	897
	Chabra TPS (4*250)	1000	838	817	19.69	820
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Rangarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	142	145	3.50	146
	RAPS A (NPC) (1*100+1*200)	300	167	167	4.12	172
	Barsingsar (NLC) (2*125)	250	76	114	2.06	86
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	808	785	17.17	715
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	529	410	11.19	466
	Kawai(Adani) (2*660)	1320	1228	1226	28.51	1188
	Thermal (Total)	8876	5694	5591	128.70	5362
	Total Hydro	550	70	123	1.53	64
	Wind power	4017	616	1249	22.84	952
	Biomass	99	12	12	0.29	12
	Solar	1295	1	0	2.95	123
	Renewable/Others (Total)	5411	629	1261	26.08	1087
Total Rajasthan	14837	6393	6975	156.31	6513	
UP	Anpara TPS (3*210+2*500)	1630	677	584	15.14	631
	Obra TPS (2*50+2*94+5*200)	1194	246	244	6.44	268
	Paricha TPS (2*110+2*220+2*250)	1160	569	706	12.46	519
	Panki TPS (2*105)	210	131	108	2.97	124
	Harduaganj TPS (1*60+1*105+2*250)	665	538	546	12.46	519
	Tanda TPS (NTPC) (4*110)	440	381	345	8.74	364
	Roza TPS (IPP) (4*300)	1200	1098	1103	26.66	1111
	Anpara-C (IPP) (2*600)	1200	882	927	21.31	888
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	405	9.55	398
	Anpara-D(2*500)	1000	248	569	10.51	438
	Lalitpur TPS(3*660)	1980	236	446	7.09	296
	Bara(2*660)	1320	0	362	5.05	210
	Thermal (Total)	12449	5411	6345	138.38	5766
	Vishnuparyag HPS (IPP)(4*110)	440	405	435	9.38	391
	Alaknanda(4*82.5)	330	226	170	5.23	218
	Other Hydro	527	237	326	6.88	287
	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	6329	7326	161.06	6711	
Uttarakhand	Other Hydro	1250	804	720	17.38	724
	Total Gas	225	240	233	5.31	221
	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	1044	953	22.70	946
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	72	73	1.82	76
	Pragati Gas Turbine (2x104+ 1x122)	330	147	152	3.62	151
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	304	252	6.48	270
	Badarpur TPS (NTPC) (3*95+2*210)	705	329	330	4.76	198
	Thermal (Total)	2917	853	806	16.68	695
	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	853	806	16.68	695	

HP	Baspa HPS (IPP) (3*100)	300	215	294	4.94	206
	Malana HPS (IPP) (2*43)	86	45	41	1.01	42
	Other Hydro	372	159	147	3.64	152
	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	223	219	5.31	221
	Renewable(Total)	486	223	219	5.31	221
	Total HP	1244	642	701	14.89	620
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	576	438	11.40
Other Hydro/IPP(including 998 MW Small Hydro)		1208	137	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		998	0	0	0.00	0
Renewable(Total)		998	0	0	0.00	0
Total J & K	2298	713	531	14	590	
Total State Control Area Generation		50697	22426	23363	529.39	22058
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7957	8582	199.37	8307
Total Regional Availability(Gross)		75934	48846	44302	1060.37	44182

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10541	3938	146.67	6111
State Control Area Hydro	8063	4037	3991	86.88	3841
Total Regional Hydro	20297	14578	7930	233.54	9952

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.06	2
State Control Area Renewable	7975	852	1480	31.38	1308
Total Regional Renewable	8005	852	1480	31.44	1310

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	50	-350	50	350	0.56	3.83	-3.27
765 KV Gwalior-Agra (D/C)	2190	2525	2693	0	56.16	0.00	56.16
400 KV Zerda-Kankroli	64	-14	64	115	0.00	0.87	-0.87
400 KV Zerda-Bhinmal	78	9	78	89	0.00	0.11	-0.11
220 KV Auraiya-Malanpur	-48	-64	0	80	0.00	1.04	-1.04
220 KV Badod-Kota/Morak	36	13	79	38	0.56	0.00	0.56
Mundra-Mohindergarh(HVDC Bipole)	2002	2002	2005	0.00	48.38	0.00	48.38
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	794	983	1054	0	21.58	0.00	21.58
Sub Total WR	5166	5104			127.24	5.86	121.38
Pusauli Bypass/HVDC	0	0	0	0	0.00	0.36	-0.36
400 KV MZP- GKP (D/C)	86	397	450	43	7.64	0.00	7.64
400 KV Patna-Balia(D/C) X 2	476	470	626	0	11.71	0.00	11.71
400 KV B'Sharif-Balia (D/C)	67	167	209	0	3.59	0.00	3.59
765 KV Gaya-Balia	273	338	355	0	3.70	0.00	3.70
765 KV Gaya-Varanasi (D/C)	583	679	745	0	16.60	0.00	16.60
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-20	-22	0	30	0.00	0.48	-0.48
132 KV Son Ngr-Rihand	-14	-17	0	23	0.00	0.33	-0.33
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-39	16	144	53	1.53	0.00	1.53
400 KV Barh -GKP (D/C)	346	360	402	0	8.10	0.00	8.10
400 kV B'Sharif - Varanasi (D/C)	68	127	194	0	3.54	0.00	3.54
Sub Total ER	1826	2515			56.41	1.18	55.23
+/- 800 KV BiswanathCharialli-Agra	965	963	982	0.00	22.76	0.00	22.76
Sub Total NER	965	963			22.76	0.00	22.76
Total IR Exch	7957	8582			206.40	7.03	199.37

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
45.69	3.57	49.26	41.23	10.64	3.09	-0.01	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
93.58	108.59	202.18	77.99	121.38	199.37	-15.59	12.78	-2.81

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-24	0	0	28	0	0	-0.38

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	1.38	18.03	75.90	75.10	6.37	0.51	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index	(Hz)	(Hz)		
50.14	16.03	49.74	0.45	49.96	0.058	50.13	49.74	24.90	

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	411	22:56	403	5:05	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	17:21	406	0:20	0.0	0.0	2.1	0.0	2.1
Bareilly(PG)400kV	400	415	17:03	397	12:24	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	6:16	403	11:20	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	3:57	396	11:20	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	420	7:02	398	12:25	0.0	0.0	0.0	0.0	0.0
Bawana	400	418	6:16	397	12:23	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	3:59	400	11:54	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	3:51	394	11:56	0.0	0.0	0.0	0.0	0.0
Moga	400	415	3:58	397	14:47	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	422	3:59	403	14:42	0.0	0.0	3.9	0.0	3.9
Nalagarh	400	424	3:49	404	14:36	0.0	0.0	19.1	0.0	19.1
Kishenpur	400	419	1:55	406	22:20	0.0	0.0	0.0	0.0	0.0
Wagoora	400	414	2:49	373	18:48	13.2	40.2	0.0	0.0	13.2
Amritsar	400	423	3:58	400	12:38	0.0	0.0	6.5	0.0	6.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	421	4:00	400	19:05	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	412	3:59	391	12:23	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	780	7:26	747	11:56	0.0	0.0	0.0	0.0	0.0
Balia	765	789	7:25	766	12:18	0.0	0.0	0.0	0.0	0.0
Moga	765	793	3:59	759	14:42	0.0	0.0	0.0	0.0	0.0
Agra	765	789	7:29	758	12:26	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	795	7:57	763	11:10	0.0	0.0	0.0	0.0	0.0
Unnao	765	767	7:25	745	12:22	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	17:01	762	12:18	0.0	0.0	0.0	0.0	0.0
Meerut	765	802	3:59	764	11:54	0.0	0.0	0.7	0.0	0.7
Jhatikara	765	793	7:28	760	11:56	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	783	17:01	752	12:20	0.0	0.0	0.0	0.0	0.0
Anta	765	785	18:02	760	13:28	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	18:01	762	9:47	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	502.93	1219.07	511.82	1635.65	503.84	569.62
Pong	426.72	384.05	416.76	743.22	421.21	946.20	191.22	414.42
Tehri	829.79	740.04	824.45	1096.00	822.75	1060.00	168.71	261.00
Koteshwar	612.50	598.50	610.08	4.44	609.30	4.69	261.00	257.10
Chamera-I	760.00	748.75	755.58	0.00	0.00	0.00	119.05	0.00
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	518.47	6.48	514.25	5.27	107.76	261.08

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	835	0	0	641	33	0	20.04	-0.70	19.34
Delhi	670	-350	0	572	-114	0	17.01	-4.32	12.69
Haryana	1850	-76	0	1866	331	0	45.11	-3.35	41.76
HP	-688	176	0	-384	-661	0	-10.88	-4.43	-15.31
J&K	-548	85	0	-548	333	0	-13.73	7.36	-6.37
CHD	0	0	0	0	-15	0	0.35	0.15	0.50
Rajasthan	-154	500	0	-154	466	0	-3.70	10.60	6.90
UP	767	-78	0	371	-78	0	10.58	-0.89	9.69
Uttarakhand	-42	24	0	-236	46	0	-4.81	4.43	-0.38
Total	2689	280	0	2128	341	0	59.97	8.86	68.83

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1011	565	59	-302	0	0
Delhi	848	545	206	-561	0	0
Haryana	2229	1714	344	-738	0	0
HP	-159	-688	176	-687	0	0
J&K	-548	-618	462	85	0	0
CHD	44	0	49	-15	0	0
Rajasthan	-154	-154	506	-122	0	0
UP	832	274	510	-78	0	0
Uttarakhand	-42	-236	461	10	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	1.74%

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

Rihand - Dadri	0.00%
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XII Number of times of Non Compliance of Sign Change in UI in consecutive 12 blocks in the day(1 block = 15 min)

Punjab	8
Haryana	8
Rajasthan	59
Delhi	13
UP	10
Uttarakhand	42
HP	14
J & K	16
Chandigarh	29

XIII.System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 27.09.2016 :**

Normal

XVI. Synchronisation of new generating units :**XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :**

1. 765/400kV, 1500 MVA ,ICT-1 at Fatehabad (UP) S/S first time charged from 400kV side on No load at 22.30 Hrs/ 27.09.2016
2. 240 MVAR line reactor of 765 kV Phagi-Bhiwani-II at Bhiwani end first time charged at 19.37 Hrs/ 27.09.2016
3. 400 kV Sasaram -Sarnath & Sarnath -Varanasi discontented from Sasaram end on dt. 22.09.2016.
400 kV Varanasi-Sasaram line charged directly at 01:50 hrs from Sasaram end and synchronized at 1:52 Hrs dt. 28.09.2016 at Varanasi end. However Line tripped at 02:46 Hrs on dt. 28.09.2016.

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 : 27.09.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER