

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिश की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 18.09.2016
Date of Reporting : 19.09.2016



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
49171	1030	50200	50.14	45562	1941	47502	50.02	1101.5	36.27

*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:

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	79.62	17.89		97.50	111.99	112.62	0.62	210.12	0.00
Haryana	43.06	1.01		44.07	129.35	126.65	-2.71	170.72	0.00
Rajasthan	116.89	1.37	5.02	123.28	74.97	79.93	4.95	203.20	18.25
Delhi	22.09			22.09	78.66	77.15	-1.50	99.24	0.07
UP	153.26	24.70		177.96	136.50	137.93	1.43	315.89	8.99
Uttarakhand		18.90		22.64	13.02	14.02	0.99	36.66	0.00
HP		18.96		18.96	5.54	5.85	0.31	24.81	0.02
J & K		20.64	0.00	20.64	16.26	15.12	-1.14	35.76	8.94
Chandigarh				0.00	5.42	5.08	-0.33	5.08	0.00
Total	414.92	103.46	5.02	527.14	571.72	574.34	2.63	1101.48	36.27

* 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 (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	9360	0	133	1036	8115	0	102	1159	9360	20:00	0
Haryana	8215	0	-118	1601	7591	0	-117	1907	8285	21:00	0
Rajasthan	8921	606	186	433	8509	478	227	396	9048	1:00	335
Delhi	4269	0	-38	286	4348	0	102	289	4926	24:00	0
UP	13594	0	-285	627	13257	1175	174	682	14284	1:00	0
Uttarakhand	1721	0	39	-142	1476	0	88	38	1721	20:00	0
HP	1150	0	-57	-1131	918	0	51	-794	1174	10:00	0
J&K	1695	424	-14	-563	1150	288	-140	-663	1872	21:00	468
Chandigarh	246	0	-14	0	198	0	-4	0	258	22:00	0
Total	49171	1030	-168	2148	45562	1941	482	3014	49492	21:00	1742

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

Diversity is: 1.03

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	
								(MW)	Time(Hrs)
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1741	1785	1975	41.64	1735	41.63		0.01
Rihand I STPS (2*500)	1000	943	1009	1029	22.30	929	22.41		-0.11
Rihand II STPS (2*500)	1000	958	1008	997	22.82	951	22.78		0.04
Rihand III STPS (2*500)	1000	958	1001	1017	22.55	940	22.75		-0.20
Dadri I STPS (4*210)	840	815	513	618	10.71	446	11.06		-0.35
Dadri II STPS (2*490)	980	970	851	961	18.89	787	20.55		-1.65
Unchahar I TPS (2*210)	420	336	335	352	7.29	304	7.84		-0.55
Unchahar II TPS (2*210)	420	400	389	420	8.69	362	9.35		-0.66
Unchahar III TPS (1*210)	210	200	171	203	3.99	166	4.63		-0.63
ISTPP (Jhajjar) (3*500)	1500	1425	346	305	7.07	294	7.28		-0.21
Dadri GPS (4*130.19+2*154.51)	830	789	361	391	7.16	298	7.47		-0.30
Anta GPS (3*88.71+1*153.2)	419	393	295	323	7.29	304	7.29		0.00
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	2	0	0	0.03	1	0.05		-0.02
Singrauli Solar(15)	15	1	0	0	0.03	1	0.03		0.00
KHEP(4*200)	800	855	856	295	10.15	423	9.72		0.43
Sub Total (A)	12112	11410	8920	8886	191	7943	195		-4.20
B. NPC									
NAPS (2*220)	440	0	0	0	-0.45	-19	0.00		-0.45
RAPS- B (2*220)	440	374	417	421	8.98	374	8.98		0.01
RAPS- C (2*220)	440	200	281	219	4.63	193	4.80		-0.17
Sub Total (B)	1320	574	698	640	13.16	548	13.78		-0.62
C. NHPC									
Chamera I HPS (3*180)	540	540	548	0	4.73	197	4.50		0.23
Chamera II HPS (3*100)	300	301	309	101	4.34	181	4.25		0.09
Chamera III HPS (3*77)	231	221	232	76	2.84	118	2.75		0.09
Bairasuli HPS(3*60)	180	179	123	0	1.64	69	1.59		0.05
Salal-HPS (6*115)	690	492	676	525	12.48	520	11.82		0.66
Tanakpur-HPS (3*31.4)	94	89	94	95	2.27	95	2.13		0.14
Uri-I HPS (4*120)	480	263	271	267	6.75	281	6.26		0.49
Uri-II HPS (4*60)	240	151	173	164	3.71	155	3.62		0.09
Dhauliganga-HPS (4*70)	280	280	283	73	3.65	152	3.54		0.11
Dulhasti-HPS (3*130)	390	383	396	390	9.22	384	9.18		0.04
Sewa-II HPS (3*40)	120	119	63	0	0.64	27	0.64		0.00
Parbati 3 (4*130)	520	520	521	0	2.19	91	2.11		0.08
Sub Total (C)	4065	3538	3689	1690	54	2270	52		2.08
D. SJVNL									
NJPC (6*250)	1500	1605	1618	509	27.10	1129	27.01		0.09
Rampur HEP (6*68.67)	412	442	447	150	7.83	326	7.51		0.32
Sub Total (D)	1912	2047	2065	659	34.93	1456	34.53		0.41
E. THDC									
Tehri HPS (4*250)	1000	1071	1038	256	7.20	300	7.00		0.20
Koteshwar HPS (4*100)	400	126	365	92	3.06	127	3.02		0.04
Sub Total (E)	1400	1197	1403	348	10.26	427	10.02		0.24
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	897	1178	666	21.57	899	21.54		0.03
Dehar HPS (6*165)	990	569	825	570	13.92	580	13.65		0.27
Pong HPS (6*66)	396	324	396	198	7.83	326	7.78		0.05
Sub Total (F)	2765	1790	2399	1434	43.32	1805	42.97		0.35
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	151	84	1.92	80	1.83		0.08
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	950	550	15.53	647	15.28		0.25
Malana Stg-II HPS (2*50)	100	0	75	50	1.43	59	1.37		0.05
Shree Cement TPS (2*150)	300	0	287	287	5.61	234	5.61		0.00
Budhil HPS(IPP) (2*35)	70	0	45	35	0.96	40	1.07		-0.10
Sub Total (G)	1662	0	1507	1006	25.44	1060	25.16		0.28
H. Total Regional Entities (A-G)	25237	20557	20682	14663	372.22	15509	373.68		-1.46

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	850	850	19.72	822
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	180	180	4.19	174
	Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	720	591	14.25	594
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	660	660	15.74	656
	Talwandi Saboo (3*660)	1980	1228	828	25.74	1073
	Thermal (Total)	6560	3638	3109	79.62	3317
	Total Hydro	1000	757	758	17.89	745
	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	4395	3867	97.50	4063
	Haryana	Panipat TPS (2*210+2*250)	920	200	204	4.88
DCRTPP (Yamuna naqar) (2*300)		600	555	557	11.87	495
Faridabad GPS (NTPC)(2*137.75+1*156)		432	364	375	7.84	327
RGTPP (khedar) (IPP) (2*600)		1200	768	775	18.47	770
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4497	1887	1911	43.06	1794
Total Hydro		62	41	42	1.01	42
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	1928	1953	44.07	1836
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	664	836	19.12
	suratgarh TPS (6*250)	1500	914	906	21.56	898
	Chabra TPS (4*250)	1000	483	771	13.78	574
	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	103	108	2.66	111
	RAPS A (NPC) (1*100+1*200)	300	167	167	4.17	174
	Barsingar (NLC) (2*125)	250	226	225	5.35	223
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	701	702	16.72	696
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	374	64	4.43	184
	Kawai(Adani) (2*660)	1320	1208	1221	29.12	1213
	Thermal (Total)	8876	4840	5000	116.89	4871
	Total Hydro	550	42	0	1.37	57
	Wind power	4017	97	264	4.55	189
	Biomass	99	20	20	0.47	20
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	117	284	5.02	209
Total Rajasthan	14837	4999	5284	123.28	5136	
UP	Anpara TPS (3*210+2*500)	1630	956	973	22.00	917
	Obra TPS (2*50+2*94+5*200)	1194	357	319	9.30	388
	Paricha TPS (2*110+2*220+2*250)	1160	813	730	18.90	788
	Panki TPS (2*105)	210	153	149	3.60	150
	Harduaganj TPS (1*60+1*105+2*250)	665	433	438	10.50	438
	Tanda TPS (NTPC) (4*110)	440	350	370	8.36	348
	Roza TPS (IPP) (4*300)	1200	1089	1102	26.30	1096
	Anpara-C (IPP) (2*600)	1200	648	630	15.20	633
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	405	9.60	400
	Anpara-D(2*500)	1000	169	377	6.70	279
	Lalitpur TPS(3*660)	1980	473	381	8.40	350
	Bara(2*660)	1320	549	55	13.20	550
	Thermal (Total)	12449	6395	5929	152.06	6336
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.40	433
	Alaknada(4*82.5)	330	253	253	6.60	275
	Other Hydro	527	354	327	7.70	321
	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	7487	6994	177.96	7415	
Uttarakhand	Other Hydro	1250	817	773	18.90	788
	Total Gas	225	157	158	3.74	156
	Wind Power	0	0	0	0.00	0
	Biomass	100	0	0	0.00	0
	Solar	20	0	0	0.00	0
	Small Hydro (< 25 MW)	150	0	0	0.00	0
	Renewable(Total)	270	0	0	0.00	0
	Total Uttarakhand	1745	974	931	22.64	943
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.06	-3
	Delhi Gas Turbine (6x30 + 3x34)	282	72	73	1.83	76
	Pragati Gas Turbine (2x104+ 1x122)	330	263	262	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	253	6.09	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	7.86	327
	Thermal (Total)	2917	918	918	22.09	921
	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	918	918	22.09	921	
HP	Baspa HPS (IPP) (3*100)	300	255	324	6.07	253
	Malana HPS (IPP) (2*43)	86	86	48	1.32	55
	Other Hydro	878	261	255	5.42	226
	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)		258	255	6.16	257
	Renewable(Total)	0	258	255	6.16	257
Total HP	1264	860	882	18.96	790	

J & K	Baglihar HPS (IPP) (3*150+2*150)	750	585	733	16.26	678
	Other Hydro/IPP	560	181	185	4.38	182
	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)		0	0	0.00	0
	Renewable(Total)	0	0	0	0.00	0
	Total J & K	1500	766	918	20.64	860
	Total State Control Area Generation	49862	22327	21747	527.14	21964
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8763	10000	221.85	9244	
Total Regional Availability(Gross)		75099	51772	46410	1121.21	46717

IV. Total Hydro Generation:						
Regional Entities Hydro	12234	11588	5110	172.00	7167	
State Control Area Hydro	7228	4482	4546	103.46	4467	
Total Regional Hydro	19462	16070	9656	275.46	11633	

V. Total Renewable Generation:						
Regional Entities Renewable	30	0	0	0.08	4	
State Control Area Renewable	6434	375	539	11.17	466	
Total Regional Renewable	6464	375	539	11.26	469	

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-100	50	50	300	0.10	4.24	-4.15
765 KV Gwalior-Agra (D/C)	2727	2901	3120	0	64.59	0.00	64.59
400 KV Zerda-Kankroli	182	165	236	9	2.57	0.00	2.57
400 KV Zerda-Bhinmal	251	241	325	12	4.51	0.00	4.51
220 KV Auraiya-Malanpur	-20	-35	0	42	0.00	0.34	-0.34
220 KV Badod-Kota/Morak	113	87	73	6	1.90	0.00	1.90
Mundra-Mohindergarh(HVDC Bipole)	2002	2002	2304	0.00	49.48	0.00	49.48
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1230	1358	681	0	29.46	0.00	29.46
Sub Total WR	6385	6769			152.61	4.58	148.02
Pusaali Bypass/HVDC	250	250	250	0	6.09	0.00	6.09
400 KV MZP- GKP (D/C)	132	542	725	0	11.62	0.00	11.62
400 KV Patna-Balia(D/C) X 2	410	529	622	0	12.88	0.00	12.88
400 KV B'Sharif-Balia (D/C)	46	165	245	0	3.99	0.00	3.99
765 KV Gaya-Balia	292	341	388	0	4.05	0.00	4.05
765 KV Gaya-Varanasi (D/C)	421	630	680	0	13.77	0.00	13.77
220 KV Pusaali-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-28	-24	0	36	0.00	0.55	-0.55
132 KV Son Ngr-Rihand	-8	-38	0	38	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-207	-118	0	258	0.00	2.95	-2.95
400 KV Barh -GKP (D/C)	346	348	380	0	7.93	0.00	7.93
400 kV B'Sharif - Varanasi (D/C)	62	-59	133	68	1.55	0.00	1.55
Sub Total ER	1716	2566			61.89	4.03	57.86
+/- 800 KV BiswanathChariali-Agra	662	665	680	0.00	15.97	0.00	15.97
Sub Total NER	662	665			15.97	0.00	15.97
Total IR Exch	8763	10000			230.46	8.61	221.85

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
45.78	3.73	49.50	31.27	11.04	8.74	0.06	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
89.51	131.71	221.22	73.83	148.02	221.85	-15.68	16.32	0.64

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-24	0	0	25	0	0	-0.30

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	2.91	48.80	80.13	14.36	2.64	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)		
50.17	18.01	49.82	20.22	50.00	0.028	0.053	50.16	49.99	19.87

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	408	17:02	402	12:05	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	17:05	403	0:34	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	17:05	400	0:34	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	17:02	400	0:10	0.0	0.0	0.0	0.0	0.0
Dadri	400	412	6:04	397	20:22	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	420	6:03	403	0:00	0.0	0.0	0.0	0.0	0.0
Bawana	400	417	6:04	400	19:07	0.0	0.0	0.0	0.0	0.0
Bassi	400	419	6:04	400	12:18	0.0	0.0	0.0	0.0	0.0
Hissar	400	413	6:04	394	19:11	0.0	0.0	0.0	0.0	0.0
Moga	400	415	6:03	399	19:07	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	421	6:05	402	19:14	44.5	44.5	0.1	0.0	44.6
Nalagarh	400	423	6:04	408	14:28	0.0	0.0	4.8	0.0	4.8
Kishenpur	400	413	3:53	397	19:30	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	3:14	377	19:27	5.3	12.9	0.0	0.0	5.3
Amritsar	400	419	6:01	402	14:54	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	416	6:01	401	14:33	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	6:34	392	14:24	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	782	17:05	743	20:14	0.0	0.0	0.0	0.0	0.0
Balia	765	791	17:05	760	20:18	0.0	0.0	0.0	0.0	0.0
Moga	765	799	6:04	767	19:11	0.0	0.0	0.0	0.0	0.0
Agra	765	790	17:05	751	20:16	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	794	6:10	764	19:14	0.0	0.0	0.0	0.0	0.0
Unnao	765	770	17:03	748	20:18	0.0	0.0	0.0	0.0	0.0
Lucknow	765	792	17:03	760	0:38	0.0	0.0	0.0	0.0	0.0
Meerut	765	800	6:04	765	20:19	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	793	6:07	760	20:19	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	794	17:03	761	0:40	0.0	0.0	0.0	0.0	0.0
Anta	765	790	6:02	764	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	6:02	761	20:16	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	503.09	1232.31	511.13	1605.30	658.14	658.14
Pong	426.72	384.05	417.54	781.19	421.17	946.20	236.42	465.92
Tehri	829.79	740.04	824.60	1099.00	822.25	1049.00	189.71	156.00
Koteshwar	612.50	598.50	608.55	4.69	610.84	5.00	156.00	201.48
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	151.35	128.48
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	520.17	7.05	511.77	7.28	158.33	279.47

* 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	802	357	0	574	462	0	19.48	9.43	28.92
Delhi	648	-359	0	443	-157	0	15.31	-5.24	10.06
Haryana	1671	223	13	1383	205	13	38.68	0.68	39.37
HP	-690	-104	0	-538	-593	0	-12.38	-7.77	-20.16
J&K	-548	-115	0	-548	-15	0	-13.71	0.59	-13.12
CHD	0	0	0	0	0	0	0.36	0.00	0.36
Rajasthan	-140	537	0	-140	573	0	-3.37	13.58	10.21
UP	682	0	0	349	278	0	9.88	1.56	11.43
Uttarakhand	-189	227	0	-189	47	0	-4.54	3.09	-1.45
Total	2236	765	13	1334	801	13	49.71	15.92	65.63

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	926	574	770	0	0	0
Delhi	710	441	258	-536	0	0
Haryana	1839	1383	239	-630	13	13
HP	-386	-690	-58	-712	0	0
J&K	-548	-618	134	-115	0	0
CHD	44	0	0	0	0	0
Rajasthan	-140	-140	604	533	0	0
UP	696	271	589	0	0	0
Uttarakhand	-189	-189	315	-59	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	12.50%
ER	0.00%
Simultaneous	1.39%

(ii)%age of times ATC violated on the inter-regional corridors

WR	44.44%
ER	0.00%
Simultaneous	31.94%

(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	0
Haryana	26
Rajasthan	0
Delhi	55
UP	1
Uttarakhand	15
HP	7
J & K	57
Chandigarh	61

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 18.09.2016 :

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.