

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारशिष्ट की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.09.2016
Date of Reporting : 18.09.2016



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
50771	1002	51773	50.14	46465	1969	48434	50.02	1125.6	26.71

*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	86.70	17.83		104.53	105.99	107.22	1.23	211.75	0.00
Haryana	44.28	1.01		45.29	132.74	130.88	-1.86	176.17	0.00
Rajasthan	122.36	0.78	10.67	133.81	72.73	76.24	3.51	210.05	10.10
Delhi	21.78			21.78	81.58	81.88	0.30	103.66	0.12
UP	154.82	24.90		179.72	139.88	140.10	0.21	319.82	7.39
Uttarakhand		18.67		20.32	16.06	17.40	1.34	37.73	0.00
HP		17.54		17.54	5.81	7.03	1.21	24.57	0.00
J & K		21.97	0.00	21.97	16.16	14.42	-1.74	36.39	9.10
Chandigarh				0.00	5.81	5.45	-0.37	5.45	0.00
Total	429.95	102.70	10.67	544.97	576.77	580.61	3.84	1125.58	26.71

* 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	9479	0	36	831	8025	0	121	802	9479	20:00	0
Haryana	8729	0	-368	1568	7717	0	46	1798	8729	20:00	0
Rajasthan	8979	246	174	283	8788	346	60	328	9274	7:00	0
Delhi	4560	0	3	187	4391	0	177	321	4932	24:00	0
UP	14090	315	222	1351	13696	1335	216	1126	14331	23:00	0
Uttarakhand	1769	0	86	-77	1529	0	-13	87	1797	19:00	0
HP	1161	0	9	-1153	965	0	40	-904	1254	8:00	0
J&K	1763	441	-173	-563	1151	288	-60	-663	1790	19:00	447
Chandigarh	243	0	-37	0	202	0	0	0	268	14:00	0
Total	50771	1002	-49	2428	46465	1969	589	2896	50771	20:00	1002

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

Diversity is: 1.02

III. Regional Entities :

Station/ Constituent	Inst. Capacity	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
	(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1769	1972	1810	42.42	1768	42.33	0.10
Rihand I STPS (2*500)	1000	943	1020	1027	21.89	912	22.25	-0.36
Rihand II STPS (2*500)	1000	953	996	1028	22.33	930	22.54	-0.21
Rihand III STPS (2*500)	1000	953	1000	1003	21.88	911	22.55	-0.68
Dadri I STPS (4*210)	840	815	598	627	12.36	515	13.23	-0.87
Dadri II STPS (2*490)	980	970	893	998	19.70	821	20.94	-1.24
Unchahar I TPS (2*210)	420	350	324	356	7.30	304	8.17	-0.88
Unchahar II TPS (2*210)	420	400	371	406	8.22	343	9.24	-1.02
Unchahar III TPS (1*210)	210	200	173	197	3.88	162	4.59	-0.72
ISTPP (Jhajjar) (3*500)	1500	1425	298	419	6.82	284	7.04	-0.22
Dadri GPS (4*130.19+2*154.51)	830	787	304	364	7.86	328	8.60	-0.74
Anta GPS (3*88.71+1*153.2)	419	395	378	367	7.83	326	7.90	-0.06
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	0.04	2	0.05	-0.01
Singrauli Solar(15)	15	2	0	0	0.04	2	0.05	0.00
KHEP(4*200)	800	855	856	188	11.09	462	10.50	0.59
Sub Total (A)	12112	11443	9183	8790	194	8070	200	-6.32
B. NPC								
NAPS (2*220)	440	0	0	0	-0.36	-15	0.00	-0.36
RAPS- B (2*220)	440	377	417	420	8.98	374	9.05	-0.07
RAPS- C (2*220)	440	200	217	220	4.62	192	4.80	-0.18
Sub Total (B)	1320	577	634	640	13.23	551	13.85	-0.62
C. NHPC								
Chamera I HPS (3*180)	540	540	547	0	5.22	217	5.00	0.22
Chamera II HPS (3*100)	300	301	308	102	4.68	195	4.60	0.09
Chamera III HPS (3*77)	231	221	230	77	2.97	124	2.90	0.07
Bairasuli HPS(3*60)	180	179	123	0	1.70	71	1.64	0.06
Salal-HPS (6*115)	690	513	665	475	12.99	541	12.32	0.67
Tanakpur-HPS (3*31.4)	94	88	95	95	2.26	94	2.12	0.14
Uri-I HPS (4*120)	480	283	319	275	7.17	299	6.79	0.38
Uri-II HPS (4*60)	240	164	240	162	3.98	166	3.94	0.04
Dhauliganga-HPS (4*70)	280	280	280	70	3.53	147	3.50	0.03
Dulhasti-HPS (3*130)	390	383	395	388	9.22	384	9.18	0.04
Sewa-II HPS (3*40)	120	119	40	0	0.81	34	0.80	0.01
Parbati 3 (4*130)	520	520	521	0	2.24	93	2.15	0.09
Sub Total (C)	4065	3591	3763	1644	57	2365	55	1.85
D. SJVNL								
NJPC (6*250)	1500	1605	1456	502	26.14	1089	26.34	-0.20
Rampur HEP (6*68.67)	412	442	419	136	7.55	315	7.35	0.20
Sub Total (D)	1912	2047	1875	638	33.69	1404	33.69	0.00
E. THDC								
Tehri HPS (4*250)	1000	1071	1071	259	10.02	418	10.00	0.02
Koteshwar HPS (4*100)	400	142	324	92	3.25	135	3.40	-0.15
Sub Total (E)	1400	1213	1395	351	13.27	553	13.40	-0.13
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	889	1332	665	21.49	895	21.33	0.16
Dehar HPS (6*165)	990	575	825	570	13.95	581	13.79	0.16
Pong HPS (6*66)	396	323	396	198	7.82	326	7.75	0.06
Sub Total (F)	2765	1786	2553	1433	43.26	1802	42.87	0.39
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	146	99	2.30	96	2.23	0.06
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1000	600	14.79	616	14.71	0.08
Malana Stg-II HPS (2*50)	100	0	81	60	1.59	66	1.50	0.09
Shree Cement TPS (2*150)	300	0	278	218	5.83	243	5.81	0.02
Budhil HPS(IPP) (2*35)	70	0	35	45	0.97	40	1.07	-0.10
Sub Total (G)	1662	0	1541	1022	25.48	1062	25.32	0.16
H. Total Regional Entities (A-G)	25237	20658	20943	14518	379.38	15808	384.05	-4.67

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	1050	880	20.88	870
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	230	180	4.56	190
	Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	718	585	14.73	614
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	660	1320	23.13	964
	Talwandi Saboo (3*660)	1980	1228	616	23.44	977
	Thermal (Total)	6560	3886	3581	86.70	3613
	Total Hydro	1000	764	663	17.83	743
	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	4650	4244	104.53	4356
	Haryana	Panipat TPS (2*210+2*250)	920	199	211	4.88
DCRTPP (Yamuna naqar) (2*300)		600	555	539	11.90	496
Faridabad GPS (NTPC)(2*137.75+1*156)		432	363	331	7.92	330
RGTPP (khedar) (IPP) (2*600)		1200	951	767	19.59	816
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4497	2068	1848	44.28	1845
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	2109	1890	45.29	1887
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	910	938	22.21
	suratgarh TPS (6*250)	1500	901	904	21.41	892
	Chabra TPS (4*250)	1000	752	724	19.63	818
	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	107	106	2.64	110
	RAPS A (NPC) (1*100+1*200)	300	167	167	4.16	173
	Barsingar (NLC) (2*125)	250	225	225	5.36	223
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwst LTPS (IPP) (8*135)	1080	704	830	17.76	740
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	0	0	0.00	0
	Kawai(Adani) (2*660)	1320	1221	1224	29.18	1216
	Thermal (Total)	8876	4987	5118	122.36	5098
	Total Hydro	550	15	45	0.78	33
	Wind power	4017	126	625	7.32	305
	Biomass	99	22	22	0.52	22
	Solar	1295	0	0	2.83	118
	Renewable/Others (Total)	5411	148	647	10.67	445
	Total Rajasthan	14837	5150	5810	133.81	5575
UP	Anpara TPS (3*210+2*500)	1630	902	896	21.60	900
	Obra TPS (2*50+2*94+5*200)	1194	356	365	8.40	350
	Paricha TPS (2*110+2*220+2*250)	1160	775	882	20.30	846
	Panki TPS (2*105)	210	153	149	3.60	150
	Harduaganj TPS (1*60+1*105+2*250)	665	432	435	10.40	433
	Tanda TPS (NTPC) (4*110)	440	350	365	8.62	359
	Roza TPS (IPP) (4*300)	1200	1094	1109	26.20	1092
	Anpara-C (IPP) (2*600)	1200	648	648	15.20	633
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	385	405	9.30	388
	Anpara-D(2*500)	1000	431	106	7.00	292
	Lalitpur TPS(3*660)	1980	383	479	9.90	413
	Bara(2*660)	1320	548	548	13.10	546
	Thermal (Total)	12449	6457	6387	153.62	6401
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.50	438
	Alaknada(4*82.5)	330	280	254	6.90	288
	Other Hydro	527	331	330	7.50	313
	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	7553	7456	179.72	7489	
Uttarakhand	Other Hydro	1250	798	769	18.67	778
	Total Gas	225	65	67	1.66	69
	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	863	836	20.32	847
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.03	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	73	73	1.82	76
	Pragati Gas Turbine (2x104+ 1x122)	330	265	266	6.57	274
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	254	6.26	261
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	7.16	299
	Thermal (Total)	2917	921	923	21.78	908
	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	921	923	21.78	908	
HP	Baspa HPS (IPP) (3*100)	300	178	247	5.31	221
	Malana HPS (IPP) (2*43)	86	86	74	1.54	64
	Other Hydro	878	281	267	4.50	188
	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)		300	293	6.19	258
	Renewable(Total)	0	300	293	6.19	258
Total HP	1264	845	881	17.54	731	

J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733
	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	914	918	21.97	915
	Total State Control Area Generation	49862	23005	22958	544.97	22707
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8990.86	9682.11	221.52	9230	
Total Regional Availability(Gross)		75099	52939	47158	1145.88	47745

IV. Total Hydro Generation:						
Regional Entities Hydro	12234	11669	5014	176.77	7365	
State Control Area Hydro	7228	4488	4404	102.70	4348	
Total Regional Hydro	19462	16157	9418	279.47	11713	

V. Total Renewable Generation:						
Regional Entities Renewable	30	0	0	0.10	4	
State Control Area Renewable	6434	448	940	16.86	702	
Total Regional Renewable	6464	448	940	16.96	707	

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	100	100	0.03	1.77	-1.74
765 KV Gwalior-Agra (D/C)	2698	2923	3100	0	64.83	0.00	64.83
400 KV Zerda-Kankroli	118	41	140	47	1.02	0.00	1.02
400 KV Zerda-Bhinmal	195	66	225	30	2.66	0.00	2.66
220 KV Auraiya-Malanpur	-26	-17	0	6	0.00	0.07	-0.07
220 KV Badod-Kota/Morak	69	55	106	0	1.47	0.00	1.47
Mundra-Mohindergarh(HVDC Bipole)	1998	2199	2205	0.00	49.55	0.00	49.55
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1050	1240	1326	0	29.15	0.00	29.15
Sub Total WR	6002	6457			148.70	1.85	146.85
Pusaali Bypass/HVDC	250	250	250	0	6.02	0.00	6.02
400 KV MZP- GKP (D/C)	294	454	588	0	10.94	0.00	10.94
400 KV Patna-Balia(D/C) X 2	578	525	609	0	12.94	0.00	12.94
400 KV B' Sharif-Balia (D/C)	110	139	259	0	3.79	0.00	3.79
765 KV Gaya-Balia	294	341	401	0	3.97	0.00	3.97
765 KV Gaya-Varanasi (D/C)	544	621	755	0	13.64	0.00	13.64
220 KV Pusaali-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-28	-30	0	32	0.00	0.62	-0.62
132 KV Son Ngr-Rihand	-28	-30	0	40	0.00	0.76	-0.76
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-158	-155	0	209	0.00	2.70	-2.70
400 KV Barh -GKP (D/C)	394	364	410	0	8.47	0.00	8.47
400 kV B' Sharif - Varanasi (D/C)	39	46	177	13	1.77	0.00	1.77
Sub Total ER	2289	2525			61.53	4.07	57.46
+/- 800 KV BiswanathChariali-Agra	700	700	1000	0.00	17.21	0.00	17.21
Sub Total NER	700	700			17.21	0.00	17.21
Total IR Exch	8991	9682			227.44	5.91	221.52

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
46.31	3.73	50.04	27.40	14.81	6.08	3.70	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
83.53	133.87	217.39	74.67	146.85	221.52	-8.85	12.98	4.13

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	-26	0	0	26	0	0	-0.13

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	2.67	42.03	75.22	17.97	4.10	0.07	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)		
50.22	18.01	49.83	14.13	50.01	0.031	0.055	50.19	50.00	24.78

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	7:54	402	0:37	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	6:34	398	23:03	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	7:47	399	12:36	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	7:50	397	23:19	0.0	0.0	0.0	0.0	0.0
Dadri	400	412	7:29	394	19:08	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	420	7:30	398	23:08	0.0	0.0	0.0	0.0	0.0
Bawana	400	417	7:30	397	19:13	0.0	0.0	0.0	0.0	0.0
Bassi	400	419	4:02	395	23:18	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	6:02	391	19:17	0.0	0.0	0.0	0.0	0.0
Moga	400	414	7:30	398	19:09	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	421	6:02	399	19:18	0.0	0.0	0.2	0.0	0.2
Nalagarh	400	422	3:23	402	11:35	0.0	0.0	4.7	0.0	4.7
Kishenpur	400	415	3:18	400	19:09	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	2:59	385	19:11	0.0	10.0	0.0	0.0	0.0
Amritsar	400	419	3:19	400	11:36	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	411	8:32	399	14:14	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	408	18:01	385	12:37	0.0	12.5	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	779	8:01	741	23:19	0.0	0.2	0.0	0.0	0.0
Balia	765	786	8:02	752	23:19	0.0	0.0	0.0	0.0	0.0
Moga	765	797	7:28	765	19:12	0.0	0.0	0.0	0.0	0.0
Agra	765	792	7:50	750	23:18	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	797	8:02	764	11:21	0.0	0.0	0.0	0.0	0.0
Unnao	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Lucknow	765	789	8:01	754	23:18	0.0	0.0	0.0	0.0	0.0
Meerut	765	801	7:49	762	23:19	0.0	0.0	0.1	0.0	0.1
Jhatikara	765	795	8:03	756	23:18	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	793	7:47	758	23:17	0.0	0.0	0.0	0.0	0.0
Anta	765	789	5:03	761	23:17	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	4:04	756	23:17	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	511.20	1605.30	611.50	657.04
Pong	426.72	384.05	417.63	781.19	421.31	946.20	220.19	463.06
Tehri	829.79	740.04	824.45	1086.79	822.05	1044.51	186.57	217.00
Koteshwar	612.50	598.50	610.08	4.69	610.80	5.00	217.00	214.51
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	156.73	141.78
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	520.38	7.11	512.15	6.52	164.52	275.41

* 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	0	0	578	253	0	19.64	2.24	21.88
Delhi	603	-282	0	478	-291	0	15.42	-4.71	10.71
Haryana	1462	323	13	1317	237	13	37.18	5.98	43.16
HP	-690	-213	0	-386	-767	0	-11.70	-8.92	-20.62
J&K	-548	-115	0	-548	-15	0	-13.74	0.13	-13.61
CHD	0	0	0	0	0	0	0.36	0.00	0.36
Rajasthan	-140	464	4	-140	419	4	-3.37	10.76	7.39
UP	725	401	0	370	982	0	11.17	6.78	17.95
Uttarakhand	-189	276	0	-189	112	0	-4.53	5.25	0.72
Total	2024	854	18	1480	930	18	50.43	17.51	67.95

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	937	577	264	0	0	0
Delhi	731	445	91	-442	0	0
Haryana	1850	1210	325	-266	14	13
HP	-386	-690	-63	-808	0	0
J&K	-548	-618	99	-115	0	0
CHD	44	0	15	-30	0	0
Rajasthan	-140	-140	482	415	4	4
UP	765	312	982	0	0	0
Uttarakhand	-189	-189	347	35	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	6.94%
ER	0.00%
Simultaneous	6.94%

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

WR	55.90%
ER	0.00%
Simultaneous	53.13%

(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	3
Haryana	13
Rajasthan	6
Delhi	22
UP	8
Uttarakhand	34
HP	7
J & K	38
Chandigarh	22

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 17.09.2016 :

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
765/400KV 1500 MVA ICT-2 at Anta first time charged on no load at 15:52 hrs on 17.09.2016.

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.