

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 12.03.2017

Date of Reporting : 13.03.2017



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
34583	479	35063	49.95	28295	442	28737	50.02	773.18	11.27

* 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	17.61	8.04	0.31	25.95	56.08	56.79	0.71	82.74	0.00
Haryana	3.97	0.46	0.00	4.43	91.90	95.85	3.96	100.28	0.00
Rajasthan	95.88	3.93	12.86	112.67	60.22	63.36	3.15	176.03	0.00
Delhi	7.88		0.00	7.88	44.44	43.21	-1.23	51.09	0.01
UP	151.02	4.22	0.00	155.24	106.02	106.88	0.86	262.11	0.00
Uttarakhand		8.72	0.00	16.04	14.49	14.24	-0.25	30.28	0.00
HP		5.42	2.35	5.42	18.64	19.68	1.04	25.10	0.28
J & K		8.46	0.00	8.46	34.93	34.20	-0.73	42.65	10.98
Chandigarh				0.00	3.26	2.89	-0.37	2.89	0.00
Total	276.35	39.23	15.52	336.07	429.97	437.10	7.14	773.18	11.27

* Shortage furnished by the respective constituent's 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	3892	0	-21	-57	2887	0	223	-158	4304	8:00	0
Haryana	4778	0	194	15	2972	0	103	-461	5545	7:00	0
Rajasthan	6461	0	-227	419	7238	0	7	453	8583	8:00	0
Delhi	2110	0	-171	-281	1512	0	103	-572	3011	11:00	0
UP	12665	0	489	-126	9834	0	134	91	13994	20:00	0
Uttarakhand	1564	0	196	91	1123	0	48	12	1761	8:00	0
HP	1048	0	-93	-34	877	0	87	385	1390	10:00	0
J&K	1917	479	-5	437	1767	442	105	313	2688	15:00	672
Chandigarh	148	0	-23	-25	86	0	5	-10	170	9:00	0
Total	34583	479	341	439	28295	442	815	54	37283	20:00	462

* 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	1863	1992	1904	43.72	1822	43.58		0.14
Rihand I STPS (2*500)	1000	973	1038	649	19.29	804	19.96		-0.66
Rihand II STPS (2*500)	1000	973	1014	692	20.23	843	20.20		0.03
Rihand III STPS (2*500)	1000	973	923	695	20.25	844	20.42		-0.18
Dadri I STPS (4*210)	840	815	197	141	3.52	147	3.78		-0.25
Dadri II STPS (2*490)	980	980	402	367	8.28	345	8.83		-0.55
Unchahar I TPS (2*210)	420	407	277	280	6.48	270	7.17		-0.69
Unchahar II TPS (2*210)	420	405	277	288	6.34	264	7.04		-0.70
Unchahar III TPS (1*210)	210	203	140	146	3.19	133	3.43		-0.24
ISTPP (Jhajjar) (3*500)	1500	1440	624	616	14.69	612	14.77		-0.07
Dadri GPS (4*130.19+2*154.51)	830	0	0	0	0.00	0	0.00		0.00
Anta GPS (3*88.71+1*153.2)	419	410	232	185	5.23	218	5.29		-0.06
Auraiya GPS (4*111.19+2*109.30)	663	644	149	122	3.30	137	3.53		-0.23
Dadri Solar(5)	5	1	0	0	0.03	1	0.02		0.00
Unchahar Solar(10)	10	2	0	0	0.05	2	0.04		0.01
Singrauli Solar(15)	15	0	0	0	0.00	0	0.00		0.00
KHEP(4*200)	800	872	872	655	2.59	108	2.62		-0.03
Sub Total (A)	12112	10961	8137	6740	157	6549	161		-3.49
B. NPC									
NAPS (2*220)	440	413	458	460	10.04	418	9.91		0.12
RAPS- B (2*220)	440	383	426	427	9.24	385	9.19		0.05
RAPS- C (2*220)	440	400	439	446	9.61	400	9.60		0.01
Sub Total (B)	1320	1196	1323	1333	28.89	1204	28.70		0.18
C. NHPC									
Chamera I HPS (3*180)	540	540	553	0	4.19	175	4.00		0.19
Chamera II HPS (3*100)	300	301	308	0	1.39	58	1.28		0.12
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00		0.00
Bairasuli HPS(3*60)	180	179	184	0	1.59	66	1.57		0.02
Salal-HPS (6*115)	690	255	407	344	6.91	288	6.11		0.80
Tanakpur-HPS (3*31.4)	94	22	32	16	0.53	22	0.52		0.01
Uri-I HPS (4*120)	480	456	461	480	11.32	472	10.95		0.37
Uri-II HPS (4*60)	240	236	179	241	5.67	236	5.66		0.01
Dhauliganga-HPS (4*70)	280	140	143	0	0.78	33	0.74		0.05
Dulhasti-HPS (3*130)	390	387	397	0	2.68	112	2.50		0.18
Sewa-II HPS (3*40)	120	119	127	0	2.09	87	2.10		-0.01
Parbati 3 (4*130)	520	130	132	0	0.31	13	0.29		0.02
Sub Total (C)	4065	2765	2922	1081	37	1561	36		1.76
D.SJVNL									
NJPC (6*250)	1500	1605	1612	0	5.73	239	5.80		-0.07
Rampur HEP (6*88.67)	412	375	377	0	1.43	60	1.52		-0.09
Sub Total (D)	1912	1980	1989	0	7.16	298	7.32		-0.16
E. THDC									
Tehri HPS (4*250)	1000	707	755	0	7.33	305	7.30		0.03
Koteshwar HPS (4*100)	400	133	0	0	0.00	0	3.20		-3.20
Sub Total (E)	1400	840	755	0	7.33	305	10.50		-3.17
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	418	946	326	10.40	433	10.04		0.37
Dehar HPS (6*165)	990	143	495	0	3.54	147	3.42		0.12
Pong HPS (6*66)	396	162	285	0	3.88	161	3.89		-0.02
Sub Total (F)	2765	723	1726	326	17.81	742	17.35		0.47
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.33	14	0.32		0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	585	0	3.22	134	3.32		-0.10
Malana Stg-II HPS (2*50)	100	0	0	0	0.17	7	0.17		0.00
Shree Cement TPS (2*150)	300	0	136	140	3.25	135	3.48		-0.23
Budhil HPS(IPP) (2*35)	70	0	0	0	0.19	8	0.19		0.00
Sub Total (G)	1662	0	721	140	7.16	298	7.47		-0.31
H. Total Regional Entities (A-G)	25237	18464	17574	9620	263.00	10958	267.73		-4.73

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	0	0	-0.12	-5
	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	0	0	-0.07	-3
	Goidwal(GVK) (2*270)	540	0	0	-0.19	-8

	Rajpura (2*700)	1400	660	660	18.12	755
	Talwandi Saboo (3*660)	1980	0	0	-0.12	-5
	Thermal (Total)	6560	660	660	17.61	734
	Total Hydro	1000	562	182	8.04	335
	Wind Power	0	0	0	0.00	0
	Biomass	288	10	10	0.23	10
	Solar	560	0	0	0.08	3
	Renewable(Total)	848	10	10	0.31	13
	Total Punjab	8408	1232	852	25.95	1081
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	160	157	3.97	165
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4497	160	157	3.97	165
	Total Hydro	62	20	19	0.46	19
	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	180	176	4.43	184
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	305	299	7.60	317
	suratgarh TPS (6*250)	1500	180	180	4.53	189
	Chabra TPS (4*250)	1000	757	767	19.38	807
	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	176	177	4.53	189
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.29	179
	Barsingar (NLC) (2*125)	250	191	213	4.79	200
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	371	367	9.85	411
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	823	825	20.05	835
	Kawai(Adani) (2*660)	1320	614	862	20.86	869
	Thermal (Total)	8876	3611	3884	95.88	3995
	Total Hydro	550	103	158	3.93	164
	Wind power	4017	151	529	9.30	388
	Biomass	99	13	13	0.31	13
	Solar	1295	0	0	3.25	135
Renewable/Others (Total)	5411	164	542	12.86	536	
Total Rajasthan	14837	3878	4584	112.67	4694	
UP	Anpara TPS (3*210+2*500)	1630	1398	936	28.70	1196
	Obra TPS (2*50+2*94+5*200)	1194	632	564	14.09	587
	Paricha TPS (2*110+2*220+2*250)	1160	167	151	4.18	174
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	165	158	4.12	172
	Tanda TPS (NTPC) (4*110)	440	311	270	7.38	308
	Roza TPS (IPP) (4*300)	1200	0	0	0.00	0
	Anpara-C (IPP) (2*600)	1200	1008	689	21.66	903
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	849	713	19.38	807
	Lalitpur TPS(3*660)	1980	426	366	10.44	435
	Bara(2*660)	1320	894	724	20.67	861
	Thermal (Total)	12449	5850	4571	130.62	5442
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.52	63
	Alaknada(4*82.5)	330	84	0	1.02	42
	Other Hydro	527	170	42	1.68	70
	Cogeneration	981	850	850	20.40	850
	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	7022	5526	155.24	6468	
Uttarakhand	Other Hydro	1250	416	240	8.72	363
	Total Gas	225	297	307	7.13	297
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.19	8
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.19	8
Total Uttarakhand	1802	713	547	16.04	668	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	69	71	1.90	79
	Pragati Gas Turbine (2x104+ 1x122)	330	3	3	-0.04	-2
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	249	6.02	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	323	323	7.88	328
	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	323	323	7.88	328
	HP	Baspa HPS (IPP) (3*100)	300	17	0	0.82
Malana HPS (IPP) (2*43)		86	0	0	0.19	8
Other Hydro		372	91	50	2.05	86
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	125	62	2.35	98
Renewable(Total)		486	125	62	2.35	98
Total HP		1244	233	113	5.42	226
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	233	233	5.59	233
	Other Hydro/IPP(including 98 MW Small Hydro)	308	136	120	2.86	119
	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	369	353	8	352	

Total State Control Area Generation	50078	13950	12473	336.07	14003
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6795.59	6915.65	168.02	7001
Total Regional Availability(Gross)	75315	38319	29009	767.09	31962

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8849	2062	76.07	3170
State Control Area Hydro	7163	2322	1477	39.23	1940
Total Regional Hydro	19397	11172	3538	115.31	5110

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	299	614	15.71	655
Total Regional Renewable	7386	299	614	15.78	658

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	-500	0	500	0.00	12.15	-12.15
765 KV Gwalior-Agra (D/C)	1746	1639	2430	0	41.18	0.00	41.18
400 KV Zerda-Kankroli	-37	-169	7	180	0.00	1.92	-1.92
400 KV Zerda-Bhimnal	38	-69	132	102	0.15	0.00	0.15
220 KV Auraiya-Malanpur	-115	-98	0	119	0.00	2.33	-2.33
220 KV Badod-Kota/Morak	-31	-53	43	46	0.00	0.30	-0.30
Mundra-Mohinderghar(HVDC Bipole)	1103	1803	1806	0.00	33.99	0.00	33.99
400 KV RAPPCC-Sujalpur	201	60	234	0	4.32	0.00	4.32
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	818	853	666	0	23.93	0.00	23.93
+/- 800 kV HVDC Champa-Kurushetra	1450	1450	1450	0	18.93	0.00	18.93
Sub Total WR	4673	4916			122.50	16.70	105.80
400 kV Sasaram - Varanasi	295	289	309	0	10.20	0.00	10.20
400 kV Sasaram - Allahabad	117	118	141	0	2.75	0.00	2.75
400 KV MZP- GKP (D/C)	89	418	506	45	8.06	0.00	8.06
400 KV Patna-Balia(D/C) X 2	537	568	777	0	15.51	0.00	15.51
400 KV B'Sharif-Balia (D/C)	56	54	276	0	3.05	0.00	3.05
765 KV Gaya-Balia	221	133	339	0	5.70	0.00	5.70
765 KV Gaya-Varanasi (D/C)	260	192	485	0	6.89	0.00	6.89
220 KV Pusauli-Sahupuri	208	132	208	0	3.72	0.00	3.72
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	0	-27	0	27	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-240	-216	0	257	0.00	4.03	-4.03
400 KV Barh -GKP (D/C)	476	274	492	0	9.10	0.00	9.10
400 kV B'Sharif - Varanasi (D/C)	104	65	51	151	1.36	0.00	1.36
Sub Total ER	2123	2000			66.83	4.61	62.23
+/- 800 KV HVDC BiswanathCharialli-Agra	0	0	0	0.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	6796	6916			189.33	21.31	168.02

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
44.45	0.12	44.57	-2.56	-0.39	1.30	10.35	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
43.32	136.53	179.84	62.23	105.80	168.02	18.91	-30.73	-11.82

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	-38	-23	0	38	0	1	-0.76

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	2.23	38.71	67.30	22.38	8.10	0.05	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.20	6.04	49.83	21.07	50.02	0.038	0.058	50.14	49.92	32.70

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	408	2:44	402	8:41	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	15:56	399	18:59	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	2:49	400	19:08	0.0	0.0	0.7	0.0	0.7
Kanpur	400	418	15:57	402	8:40	0.0	0.0	0.0	0.0	0.0
Dadri	400	430	2:48	413	8:41	0.0	0.0	54.7	0.0	54.7
Ballabgarh	400	425	2:57	408	8:41	0.0	0.0	33.8	0.0	33.8
Bawana	400	428	23:34	413	18:56	0.0	0.0	64.1	0.0	64.1
Bassi	400	425	4:02	404	6:25	0.0	0.0	19.1	0.0	19.1
Hissar	400	425	3:59	406	6:25	0.0	0.0	19.3	0.0	19.3
Moga	400	424	2:58	408	6:39	0.0	0.0	19.4	0.0	19.4
Abdullapur	400	429	23:16	408	6:31	0.0	0.0	52.6	0.0	52.6
Nalagarh	400	434	16:01	415	18:50	0.0	0.0	85.8	4.9	85.8
Kishenpur	400	417	4:42	401	18:34	0.0	0.0	0.0	0.0	0.0
Wagoora	400	392	4:46	358	18:58	95.9	98.3	0.0	0.0	95.9
Amritsar	400	427	2:48	411	6:41	0.0	0.0	57.3	0.0	57.3
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	2:20	409	7:13	0.0	0.0	35.0	0.0	35.0
Rishikesh	400	426	1:55	404	18:59	0.0	0.0	21.1	0.0	21.1

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	776	0:01	740	8:40	0.0	0.4	0.0	0.0	0.0
Balia	765	790	16:02	758	19:10	0.0	0.0	0.0	0.0	0.0

Moga	765	803	23:31	776	6:30	0.0	0.0	3.9	0.0	3.9
Agra	765	790	2:56	762	8:40	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	811	23:58	629	14:22	34.3	34.3	17.5	0.0	51.8
Unnao	765	784	16:01	739	20:16	0.0	4.4	0.0	0.0	0.0
Lucknow	765	797	16:02	760	19:08	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	14:16	765	6:24	0.0	0.0	13.3	0.0	13.3
Jhatikara	765	810	3:59	778	8:39	0.0	0.0	34.0	0.0	34.0
Bareilly 765 kV	765	801	2:55	763	19:09	0.0	0.0	1.0	0.0	1.0
Anta	765	801	3:54	777	8:40	0.0	0.0	1.2	0.0	1.2
Phagi	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	469.85	267.31	482.83	527.87	136.35	326.18
Pong	426.72	384.05	398.15	179.94	397.31	168.56	61.79	285.72
Tehri	829.79	740.04	773.35	245.00	764.85	163.15	39.29	210.00
Koteshwar	612.50	598.50	0.00	0.00	0.00	0.00	0.00	0.00
Chamera-I	760.00	748.75	757.73	0.00	0.00	0.00	100.59	115.54
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	505.00	2.29	496.96	0.00	134.39	104.90

* 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	-57	-101	0	-57	0	0	-1.59	-0.50	-2.10
Delhi	-339	-233	0	-238	-44	0	-5.01	-1.22	-6.23
Haryana	-504	42	0	-227	242	0	-7.67	4.10	-3.57
HP	272	113	0	150	-184	0	7.00	-0.95	6.05
J&K	264	50	0	264	173	0	6.33	2.81	9.14
CHD	0	-10	0	0	-25	0	0.00	-0.36	-0.36
Rajasthan	26	427	0	31	387	0	0.65	9.21	9.86
UP	91	0	0	-26	-100	0	-2.28	-1.29	-3.57
Uttarakhand	73	-60	0	73	19	0	1.91	1.51	3.42
Total	-173	227	0	-30	469	0	-0.67	13.30	12.64

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-57	-82	0	-101	0	0
Delhi	-132	-347	314	-395	0	0
Haryana	-227	-505	323	-387	0	0
HP	394	150	113	-631	0	0
J&K	264	264	273	-126	0	0
CHD	0	0	0	-50	0	0
Rajasthan	34	20	427	347	0	0
UP	127	-313	0	-100	0	0
Uttarakhand	105	73	388	-107	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%
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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	2	24
Haryana	2	21
Rajasthan	2	17
Delhi	2	24
UP	2	20
Uttarakhand	0	11
HP	4	30
J & K	3	26
Chandigarh	3	31

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 12.03.2017 :

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 : 12.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER