

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 18.03.2017

Date of Reporting : 19.03.2017



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
37306	477	37784	49.98	30692	452	31144	50.01	835.28	10.77

* 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	29.40	9.16	0.36	38.93	65.06	66.82	1.77	105.75	0.00
Haryana	10.14	0.28	0.00	10.42	103.88	104.56	0.68	114.98	0.00
Rajasthan	104.29	2.88	9.71	116.88	56.69	57.49	0.80	174.37	0.00
Delhi	10.66	0.00	0.00	10.66	47.61	47.18	-0.43	57.84	0.00
UP	160.71	5.00	0.00	165.71	107.30	109.31	2.01	275.02	0.00
Uttarakhand		6.77	0.00	13.82	19.66	19.21	-0.45	33.03	0.00
HP		7.59	2.32	7.59	18.47	20.47	2.00	28.06	0.02
J & K		6.44	0.00	6.44	36.00	36.56	0.56	43.00	10.75
Chandigarh				0.00	3.20	3.23	0.03	3.23	0.00
Total	315.21	38.13	12.39	370.45	457.86	464.83	6.97	835.28	10.77

* 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	5277	0	108	-151	3285	0	-136	-151	5470	20:00	0
Haryana	5725	0	-44	218	3215	0	23	-365	5922	20:00	0
Rajasthan	6222	0	296	320	7334	0	-34	509	9012	8:00	0
Delhi	2720	0	-166	-214	1625	0	11	-672	3173	11:00	0
UP	12476	0	420	6	11421	0	247	100	12641	7:00	0
Uttarakhand	1729	0	104	226	1137	0	7	135	1755	7:00	0
HP	1075	0	0	-25	779	0	55	235	1428	8:00	3
J&K	1909	477	-5	348	1809	452	157	372	1909	19:00	477
Chandigarh	173	0	-8	-25	86	0	2	-10	180	9:00	0
Total	37306	477	704	700	30692	452	333	153	39520	8:00	457

* 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	Off Peak MW	Energy	Average	Schedule	UI
			(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1861	1992	2011	44.17	1841	44.05	0.12
Rihand I STPS (2*500)	1000	705	678	592	16.03	668	16.19	-0.16
Rihand II STPS (2*500)	1000	956	1023	993	22.52	938	22.20	0.32
Rihand III STPS (2*500)	1000	959	869	903	21.79	908	21.77	0.02
Dadri I STPS (4*210)	840	815	149	154	3.76	157	4.12	-0.36
Dadri II STPS (2*490)	980	980	418	354	9.74	406	10.40	-0.66
Unchahar I TPS (2*210)	420	407	293	305	7.96	332	8.55	-0.59
Unchahar II TPS (2*210)	420	405	308	309	7.66	319	8.22	-0.56
Unchahar III TPS (1*210)	210	203	155	151	3.76	156	3.97	-0.22
ISTPP (Jhajihar) (3*500)	1500	1440	747	621	17.06	711	17.41	-0.34
Dadri GPS (4*130.19+2*154.51)	830	405	168	166	4.06	169	4.28	-0.22
Anta GPS (3*88.71+1*153.2)	419	262	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	644	134	136	3.27	136	3.28	-0.01
Dadri Solar(5)	5	1	0	0	0.02	1	0.03	0.00
Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
Singrauli Solar(15)	15	0	0	0	0.00	0	0.00	0.00
KHEP(4*200)	800	872	753	0	2.61	109	2.62	-0.01
Sub Total (A)	12112	10916	7687	6695	164	6852	167	-2.68
B. NPC								
NAPS (2*220)	440	410	438	453	9.82	409	9.84	-0.02
RAPS- B (2*220)	440	380	428	426	9.13	380	9.12	0.01
RAPS- C (2*220)	440	405	435	441	9.39	391	9.72	-0.33
Sub Total (B)	1320	1195	1301	1320	28.34	1181	28.68	-0.34
C. NHPC								
Chamera I HPS (3*180)	540	540	557	0	3.20	133	3.00	0.20
Chamera II HPS (3*100)	300	301	313	0	1.32	55	1.20	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	1.57	66	1.52	0.06
Salal-HPS (6*115)	690	161	326	228	4.75	198	3.87	0.88
Tanakpur-HPS (3*31.4)	94	20	16	18	0.51	21	0.48	0.03
Uri-I HPS (4*120)	480	386	475	410	9.88	412	9.27	0.61
Uri-II HPS (4*60)	240	223	211	241	5.48	228	5.36	0.12
Dhauliganga-HPS (4*70)	280	140	140	0	0.81	34	0.77	0.04
Dulhasti-HPS (3*130)	390	387	403	0	2.70	112	2.50	0.20
Sewa-II HPS (3*40)	120	119	127	0	1.86	78	1.80	0.06
Parbati 3 (4*130)	520	130	131	0	0.27	11	0.26	0.01
Sub Total (C)	4065	2587	2883	897	32	1348	30	2.33
D.SJVNL								
NJPC (6*250)	1500	1605	1613	0	5.82	242	5.65	0.16
Rampur HEP (6*88.67)	412	375	375	0	1.58	66	1.55	0.02
Sub Total (D)	1912	1980	1988	0	7.39	308	7.21	0.19
E. THDC								
Tehri HPS (4*250)	1000	744	726	0	6.90	288	7.00	-0.10
Koteshwar HPS (4*100)	400	121	301	90	2.92	122	2.90	0.02
Sub Total (E)	1400	865	1027	90	9.82	409	9.90	-0.08
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	496	1062	375	12.54	522	11.90	0.64
Dehar HPS (6*165)	990	185	495	0	4.50	188	4.45	0.05
Pong HPS (6*66)	396	121	336	0	2.89	121	2.91	-0.01
Sub Total (F)	2765	802	1893	375	19.94	831	19.26	0.68
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.32	13	0.31	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	550	0	3.06	128	3.08	-0.02
Malana Stg-II HPS (2*50)	100	0	0	0	0.18	8	0.17	0.01
Shree Cement TPS (2*150)	300	0	142	104	3.17	132	3.32	-0.15
Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.15	-0.02
Sub Total (G)	1662	0	692	104	6.87	286	7.03	-0.16
H. Total Regional Entities (A-G)	25237	18346	17471	9481	269.18	11216	269.24	-0.06

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	-0.02	-1

	Rajpura (2*700)	1400	1320	1120	29.76	1240
	Talwandi Saboo (3*660)	1980	0	0	-0.14	-6
	Thermal (Total)	6560	1320	1120	29.40	1225
	Total Hydro	1000	564	211	9.16	382
	Wind Power	0	0	0	0.00	0
	Biomass	288	12	12	0.28	12
	Solar	560	0	0	0.08	3
	Renewable(Total)	848	12	12	0.36	15
	Total Punjab	8408	1896	1343	38.93	1622
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	279	213	5.80	242
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	192	159	4.34	181
	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	471	372	10.14	422
	Total Hydro	62	8	7	0.28	12
	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	479	379	10.42	434
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	307	311	7.56
suratgarh TPS (6*250)		1500	181	183	4.64	193
Chabra TPS (4*250)		1000	734	813	20.08	837
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	150	173	4.39	183
RAPS A (NPC) (1*100+1*200)		300	194	194	4.27	178
Barsingar (NLC) (2*125)		250	189	206	4.78	199
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	317	482	11.58	483
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	818	836	21.76	907
Kawai(Adani) (2*660)		1320	860	1140	25.23	1051
Thermal (Total)		8876	3750	4338	104.29	4345
Total Hydro		550	130	100	2.88	120
Wind power		4017	287	414	9.12	380
Biomass		99	25	25	0.60	25
Solar		1295	0	0	0.00	0
Renewable/Others (Total)		5411	312	439	9.71	405
Total Rajasthan		14837	4192	4877	116.88	4870
UP		Anpara TPS (3*210+2*500)	1630	1383	1433	33.90
	Obra TPS (2*50+2*94+5*200)	1194	306	480	9.60	400
	Paricha TPS (2*110+2*220+2*250)	1160	0	0	0.00	0
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	218	221	5.10	213
	Tanda TPS (NTPC) (4*110)	440	378	392	8.71	363
	Roza TPS (IPP) (4*300)	1200	0	0	0.00	0
	Anpara-C (IPP) (2*600)	1200	1076	988	25.20	1050
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	875	813	19.50	813
	Lalitpur TPS(3*660)	1980	894	1153	24.70	1029
	Bara(2*660)	1320	585	555	13.60	567
	Thermal (Total)	12449	5715	6035	140.31	5846
	Vishnuparyag HPS (IPP)(4*110)	440	63	58	1.50	63
	Alakanada(4*82.5)	330	84	0	1.00	42
	Other Hydro	527	166	17	2.50	104
	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	6878	6960	165.71	6905
	Uttarakhand	Other Hydro	1250	337	207	6.77
Total Gas		225	286	288	6.89	287
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		20	0	0	0.15	6
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		327	0	0	0.15	6
Total Uttarakhand		1802	623	495	13.82	576
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	35	0.85	36
	Pragati Gas Turbine (2x104+ 1x122)	330	160	157	3.79	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	446	442	10.66	444
	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	446	442	10.66	444
	HP	Baspa HPS (IPP) (3*100)	300	0	0	0.75
Malana HPS (IPP) (2*43)		86	0	0	0.21	9
Other Hydro		372	212	94	4.31	180
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	123	74	2.32	97
Renewable(Total)		486	123	74	2.32	97
Total HP		1244	335	168	7.59	316
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	150	148	3.58
	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	286	268	6	269	

Total State Control Area Generation	50078	15134	14932	370.45	15435
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7866	7676	221.35	9223
Total Regional Availability(Gross)	75315	40471	32089	860.98	35874

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9094	1362	75.69	3154
State Control Area Hydro	7163	2259	1324	38.13	1882
Total Regional Hydro	19397	11353	2687	113.81	5036

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	447	525	12.55	523
Total Regional Renewable	7386	447	525	12.62	526

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)	-50	-500	200	500	0.29	5.62	-5.33
765 KV Gwalior-Agra (D/C)	2352	2430	3020	0	63.87	0.00	63.87
400 KV Zerda-Kankroli	-188	-104	0	209	0.00	3.20	-3.20
400 KV Zerda-Bhimnal	-108	-40	57	384	0.00	1.41	-1.41
220 KV Auraiya-Malanpur	-75	-82	0	107	0.00	1.50	-1.50
220 KV Badod-Kota/Morak	36	50	105	-22	1.34	0.00	1.34
Mundra-Mohinderghar(HVDC Bipole)	2500	1500	2514	0.00	51.63	0.00	51.63
400 KV RAPP-Subalpur	300	270	408	79	7.19	0.00	7.19
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1143	1199	1519	0	31.42	0.00	31.42
+/- 800 kV HVDC Champa-Kurushetra	0	150	1000	0	4.80	0.00	4.80
Sub Total WR	5910	4873			160.55	11.74	148.81
400 kV Sasaram - Varanasi	284	269	293	0	6.80	0.00	6.80
400 kV Sasaram - Allahabad	105	120	144	0	2.80	0.00	2.80
400 KV MZP- GKP (D/C)	283	423	495	0	8.65	0.00	8.65
400 KV Patna-Balia(D/C) X 2	601	737	950	0	17.25	0.00	17.25
400 KV B'Sharif-Balia (D/C)	80	150	254	0	3.89	0.00	3.89
765 KV Gaya-Balia	255	252	332	0	6.83	0.00	6.83
765 KV Gaya-Varanasi (D/C)	425	468	786	0	13.06	0.00	13.06
220 KV Pusauli-Sahupuri	166	187	200	0	4.06	0.00	4.06
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-26	-25	0	-36	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-229	-115	91	229	0.00	1.55	-1.55
400 KV Barh -GKP (D/C)	460	472	582	0	11.24	0.00	11.24
400 kV B'Sharif - Varanasi (D/C)	52	15	177	66	0.90	0.00	0.90
Sub Total ER	2456	2953			75.97	2.13	73.84
+/- 800 KV HVDC BiswanathChariali-Agra	-500	-150	0	500.00	0.00	1.30	-1.30
Sub Total NER	-500	-150			0.00	1.30	-1.30
Total IR Exch	7866	7676			236.52	15.17	221.35

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
52.50	0.31	52.81	-2.35	-0.53	16.94	5.95	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
67.40	140.52	207.92	72.54	148.81	221.35	5.14	8.30	13.43

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	-35	-26	0	39	0	1	-0.82

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	3.98	50.57	77.05	15.21	3.88	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)		
50.19	18.16	49.81	0.41	50.00	0.032	0.056	50.06	49.89	22.95

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	406	16:34	401	8:11	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	2:34	400	10:42	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	3:18	384	10:41	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	2:34	399	10:50	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	2:31	401	9:37	0.0	0.0	20.7	0.0	20.7
Ballabgarh	400	424	2:35	399	9:39	0.0	0.0	13.9	0.0	13.9
Bawana	400	426	2:01	403	9:37	0.0	0.0	21.4	0.0	21.4
Bassi	400	426	18:16	398	8:13	0.0	0.0	11.7	0.0	11.7
Hissar	400	423	2:31	396	10:41	0.0	0.0	9.2	0.0	9.2
Moga	400	426	2:33	398	14:30	0.0	0.0	16.3	0.0	16.3
Abdullapur	400	429	2:31	403	14:29	0.0	0.0	21.3	0.0	21.3
Nalagarh	400	432	2:06	404	14:41	0.0	0.0	33.2	5.2	33.2
Kishenpur	400	419	2:02	397	9:37	0.0	0.0	0.0	0.0	0.0
Wagoora	400	395	13:02	370	6:49	47.3	99.3	0.0	0.0	47.3
Amritsar	400	433	2:33	402	14:39	0.0	0.0	24.7	5.3	24.7
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	0:00	405	7:30	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	423	3:52	394	9:36	0.0	0.0	8.8	0.0	8.8

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	2:53	745	10:12	0.0	0.0	0.0	0.0	0.0
Balia	765	781	2:53	757	10:41	0.0	0.0	0.0	0.0	0.0

Moga	765	798	0:56	760	14:40	0.0	0.0	0.0	0.0	0.0
Agra	765	791	18:16	755	8:16	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	1:54	766	9:33	0.0	0.0	15.5	0.0	15.5
Unnao	765	771	3:18	742	10:41	0.0	0.0	0.0	0.0	0.0
Lucknow	765	787	3:19	750	10:40	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	2:32	766	11:41	0.0	0.0	19.1	0.0	19.1
Jhatikara	765	807	3:52	763	10:41	0.0	0.0	11.9	0.0	11.9
Bareilly 765 kV	765	794	3:18	752	9:37	0.0	0.0	0.0	0.0	0.0
Anta	765	794	17:34	768	10:59	0.0	0.0	0.0	0.0	0.0
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	467.80	234.83	482.25	511.55	159.25	432.23
Pong	426.72	384.05	397.27	162.91	397.01	162.91	43.86	218.95
Tehri	829.79	740.04	769.90	207.35	761.50	133.06	39.30	201.00
Koteshwar	612.50	598.50	610.38	4.75	611.31	5.20	201.00	192.34
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	82.08	86.48
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	504.75	2.87	497.70	0.00	92.75	146.32

* 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	-151	0	0	-151	0	0	-1.99	-0.22	-2.21
Delhi	-372	-301	0	-276	62	0	-6.49	0.08	-6.42
Haryana	-205	-160	0	-136	354	0	-3.71	6.31	2.59
HP	162	74	0	157	-182	0	3.71	1.84	5.55
J&K	174	198	0	174	173	0	4.18	5.45	9.64
CHD	0	-10	0	0	-25	0	0.00	-0.36	-0.36
Rajasthan	15	494	0	26	294	0	0.50	8.62	9.12
UP	100	0	0	105	-100	0	1.23	-2.20	-0.97
Uttarakhand	73	62	0	47	179	0	1.78	4.94	6.71
Total	-204	357	0	-55	755	0	-0.80	24.44	23.65

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-202	0	-252	0	0
Delhi	-170	-378	372	-351	0	0
Haryana	-37	-206	394	-197	0	0
HP	248	10	394	-403	0	0
J&K	174	174	357	99	0	0
CHD	0	0	0	-61	0	0
Rajasthan	33	13	494	-319	0	0
UP	145	-31	0	-100	0	0
Uttarakhand	104	36	377	62	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	2.78%
Simultaneous	0.00%

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

WR	8.68%
ER	12.15%
Simultaneous	11.11%

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

Rihand - Dadri	0.00%
----------------	-------

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	3	47
Haryana	0	11
Rajasthan	2	17
Delhi	4	55
UP	1	16
Uttarakhand	2	18
HP	6	67
J & K	1	16
Chandigarh	5	42

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 18.03.2017 :

XVI. Synchronisation of new generating units :

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

First time power flow started on HVDC(Agra-BNC)pole-I from Alipurduar to Agra at 15.13hr and stopped at 15.43hr on 18.03.2017. The quantum was 150Mw

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 : 18.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER