

पाँवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GG0188682

Power Supply Position in Northern Region for 23.03.2018
Date of Reporting : 24.03.2018



I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
41923	839	42762	49.97	34737	280	35017	49.96	912.14	11.93

*Half hourly (one 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	Gas/Naphtha/Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	78.10	9.36	0.00	2.92	0.00	2.77	93.15	23.71	23.31	-0.41	116.45	0.00
Haryana	61.54	0.40	7.22	0.15	0.00	1.27	70.57	50.70	53.39	2.69	123.96	0.54
Rajasthan	116.46	1.07	4.41	3.48	1.80	4.99	132.23	51.07	52.66	1.59	184.89	0.00
Delhi	0.00	0.00	22.37	0.00	0.00	0.00	22.37	54.29	53.75	-0.54	76.12	0.00
UP	167.93	5.20	0.00	0.00	0.00	21.60	194.73	108.64	108.42	-0.22	303.15	0.00
Uttarakhand	0.00	6.70	0.00	0.81	0.00	0.00	7.51	28.49	28.49	0.00	35.99	0.00
HP	0.00	2.94	0.00	0.00	0.00	2.79	5.74	19.09	19.80	0.71	25.54	1.30
J & K	0.00	5.26	0.00	0.00	0.00	5.26	39.29	37.58	-1.72	42.83	10.09	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	3.21	0.23	3.21	0.00
Total	424.04	30.92	34.00	7.36	1.80	33.42	531.54	378.26	380.60	2.34	912.14	11.93

* 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 (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	5320	0	8	-1571	3598	0	-16	-1419	5846	13	0
Haryana	5971	0	103	-552	4711	0	4	-486	6281	20	188
Rajasthan	7035	0	348	-185	7650	0	20	-435	9513	8	0
Delhi	3303	0	-89	-361	2169	0	20	-973	3576	12	0
UP	14974	275	705	16	12825	0	-224	48	14974	19	275
Uttarakhand	1825	0	56	746	1267	0	-1	643	1914	8	0
HP	1071	0	-144	171	848	0	40	356	1434	8	0
J&K	2255	564	330	875	1585	280	-84	736	2255	19	564
Chandigarh	169	0	0	-45	85	0	29	-45	169	19	0
Total	41923	839	1315	-908	34737	280	-212	-1575	42502	20	958

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

III. Regional Entities :

A. NTPC	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	450	500	486	11.00	458	10.76	0.24	
Rihand II STPS (2*500)	1000	943	980	1025	22.75	948	22.54	0.21	
Rihand III STPS (2*500)	1000	943	995	977	22.41	934	22.43	-0.01	
Dadri I STPS (4*210)	840	769	770	469	14.94	622	15.63	-0.69	
Dadri II STPS (2*490)	980	421	323	342	7.34	306	7.70	-0.36	
Unchahar I TPS (2*210)	420	382	367	293	6.67	278	7.13	-0.46	
Unchahar II TPS (2*210)	420	382	357	287	6.99	291	7.09	-0.10	
Unchahar III TPS (1*210)	210	191	161	142	3.47	145	3.69	-0.22	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	1000	1028	959	22.58	941	22.90	-0.32	
Dadri GPS (4*130.19+2*154.51)	830	805	164	114	3.63	151	3.82	-0.19	
Anta GPS (3*88.71+1*153.2)	419	406	0	0	0.00	0	0.00	0.00	
Auraya GPS (4*111.19+2*109.30)	663	425	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	0.00	
Singrauli Solar(15)	15	2	0	0	0.07	3	0.05	0.01	
KHEP(4*200)	800	594	650	0	1.95	81	1.78	0.17	
Sub Total (A)	12612	9192	7935	6729	160	6664	161	-1.04	
B. NPC	NAPS (2*220)	440	178	220	220	4.82	201	2.54	2.29
RAPS- B (2*220)	440	391	435	437	9.37	390	9.28	0.09	
RAPS- C (2*220)	440	200	230	230	4.84	202	4.80	0.04	
Sub Total (B)	1320	769	885	887	19.04	793	16.61	2.42	
C. NHPC	Chamera I HPS (3*180)	540	534	549	0	3.21	134	3.00	0.21
Chamera II HPS (3*100)	300	296	297	0	1.65	69	1.50	0.15	
Chamera III HPS (3*77)	231	228	237	0	1.01	42	0.91	0.10	
Bairasuli HPS(3*60)	180	66	181	0	0.85	35	0.78	0.07	
Salal-HPS (6*115)	690	99	520	30	3.14	131	2.37	0.77	
Tanakpur-HPS (3*31.4)	94	18	32	17	0.48	20	0.43	0.04	
Uri-I HPS (4*120)	480	206	138	241	5.36	223	4.95	0.41	
Uri-II HPS (4*60)	240	132	123	119	3.24	135	3.17	0.08	
Dhauliganga-HPS (4*70)	280	140	140	0	0.83	35	0.77	0.06	
Dulhasti-HPS (3*130)	390	385	403	0	2.52	105	2.30	0.22	
Sewa-II HPS (3*40)	120	119	119	123	1.21	50	1.20	0.01	
Parbati 3 (4*130)	520	16	129	0	0.40	17	0.39	0.02	
Sub Total (C)	4065	2239	2869	530	24	996	22	2.14	
D.SJVNL	NJPC (6*250)	1500	1497	1584	0	6.58	274	6.50	0.08
Rampur HEP (6*68.67)	412	412	442	0	1.82	76	1.81	0.02	
Sub Total (D)	1912	1910	2026	0	8.40	350	8.31	0.10	
E. THDC	Tehri HPS (4*250)	1000	557	557	0	7.16	299	7.20	-0.04
Koteswar HPS (4*100)	400	129	360	92	3.16	132	3.11	0.05	
Sub Total (E)	1400	686	917	92	10.32	430	10.31	0.02	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	609	1154	411	14.74	614	14.61	0.13
Dehar HPS (6*165)	990	137	495	0	3.42	142	3.28	0.14	
Pong HPS (6*66)	396	198	265	53	4.79	200	4.74	0.05	
Sub Total (F)	2765	943	1914	464	22.94	956	22.63	0.31	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	96	0	0.43	18	0.42	0.02
Karcham Wantoo HPS(IPP) (4*250)	1000	0	775	0	3.56	148	3.56	0.00	
Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.18	0.01	
Shree Cement TPS (2*150)	300	0	211	207	5.18	216	5.08	0.10	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.14	-0.14	
Sainj HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.30	0.00	
Sub Total (G)	1762	0	1082	207	9.37	390	9.38	-0.01	
H. Total Regional Entities (A-G)	25837	15738	17628	8909	253.92	10580	249.98	3.94	

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average S entout MW)	
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	500	500	11.36	473	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	536	536	11.62	484	
	Goindwal(GVK) (2*270)	540	145	145	3.68	153	
	Rajpura (2*700)	1400	1230	1320	31.14	1298	
	Talwandi Saboo (3*660)	1980	616	616	20.30	846	
	Thermal (Total)	6560	3027	3117	78.10	3254	
	Total Hydro	1000	318	225	9.36	390	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	2.77	115	
	Solar	859	0	0	2.92	122	
	Renewable(Total)	1162	0	0	5.69	237	
	Total Punjab	8722	3345	3342	93.15	3881	
	Haryana	Paripat TPS (2*210+2*250)	920	622	646	15.55	648
		DCRTPP (Yamuna nagar) (2*300)	600	280	289	6.48	270
		Faridabad GPS (NTPC)(2*137.75+1*156)	432	306	192	7.22	301
		RGTPP (kheadar) (IPP) (2*600)	1200	1091	1152	26.25	1094
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	556	555	13.27	553	
Thermal (Total)		4497	2855	2834	68.76	2865	
Total Hydro		62	6	27	0.40	17	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	1.27	53	
Solar		50	0	0	0.15	6	
Renewable(Total)		156	0	0	1.41	59	
Total Haryana		4715	2861	2861	70.57	2940	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	815	326	20.69	862
	suratgarh TPS (6*250)	1500	178	180	4.59	191	
	Chabra TPS (4*250)	1000	1417	1264	30.00	1250	
	Chabra TPS (1*660)	660	0	0	0.00	0	
	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	190	178	4.41	184	
	RAPS A (NPC) (1*100+1*200)	300	190	189	4.41	184	
	Barsingsar (NLC) (2*125)	250	98	99	2.27	95	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	823	832	20.30	846	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	794	1090	24.48	1020	
	Kawai(Adani) (2*660)	1320	583	563	14.13	589	
	Thermal (Total)	9536	5088	4721	125.29	5221	
	Total Hydro	550	58	60	1.07	45	
	Wind power	4292	0	78	1.80	75	
	Biomass	102	24	24	0.58	24	
	Solar	1995	0	0	3.48	145	
	Renewable/Others (Total)	6389	24	102	5.87	244	
	Total Rajasthan	16475	5170	4883	132.23	5509	
UP	Anpara TPS (3*210+2*500)	1630	1360	1343	33.80	1408	
	Obra TPS (2*500+2*94+5*200)	1194	310	305	6.80	283	
	Paricha TPS (2*110+2*220+2*250)	1160	709	687	13.60	567	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	536	458	10.00	417	
	Tanda TPS (NTPC) (4*110)	440	283	290	5.63	235	
	Roza TPS (IPP) (4*300)	1200	855	764	17.40	725	
	Anpara-C (IPP) (2*600)	1200	1082	987	23.90	996	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	45	89	1.70	71	
	Anpara-D(2*500)	1000	456	454	10.80	450	
	Lalitpur TPS(3*660)	1980	1230	1248	23.80	992	
	Bara(3*660)	1980	874	906	20.50	854	
	Thermal (Total)	13109	7740	7531	167.93	6997	
	Vishnuparvaq_HPS (IPP)(4*110)	440	63	63	1.50	63	
	Alakanada(4*82.5)	330	83	0	1.00	42	
	Other Hydro	527	30	59	2.70	113	
	Cogeneration	981	900	900	21.60	900	
	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	15515	8816	8553	194.73	8114	
	Uttarakhand	Other Hydro	1250	494	191	6.70	279
Total Gas		450	0	0	0.00	0	
Wind Power		0	0	0	0.00	0	
Biomass		127	0	0	0.00	0	
Solar		100	0	0	0.81	34	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		407	0	0	0.81	34	
Total Uttarakhand		2107	494	191	7.51	313	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	98	79	7.88	328	
	Pragati Gas Turbine (2x104+ 1x122)	330	80	155	3.34	139	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	489	489	11.15	465	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	667	723	22.37	932	
	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	667	723	22.37	932		

HP	Baspa HPS (IPP) (3*100)	300	29	29	1.01	42
		MW	MW	MW	MU	MU
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro (>25MW)	372	103	31	1.73	72
	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	179	71	2.79	116
	Renewable(Total)	486	179	71	2.79	116
	Total HP	1244	311	131	5.74	239
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	148	148	3.54	148
	Other Hydro/IPP(including 98 MW Small Hydro)	308	88	65	1.71	71
	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	236	213	5	219
	Total State Control Area Generation	53111	21900	20898	531.54	22148
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		4671	5730	141.12	5880	
Total Regional Availability(Gross)		78948	44199	35537	926.59	38608

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9247	1086	71.70	2988
State Control Area Hydro	7468	1599	969	30.92	1439
Total Regional Hydro	19702	10846	2055	102.63	4426

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	8844	203	173	16.57	690
Total Regional Renewable	8874	203	173	16.71	696

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

Element	Peak(19:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	250	50	250	0	4.04	0.00	4.04
765 KV Gwalior-Agra (D/C)	1780	2183	2480	0	51.88	0.00	51.88
400 KV Zerda-Kankroli	-371	-327	0	398	0.00	8.23	-8.23
400 KV Zerda-Bhinmal	-331	-278	0	373	0.00	6.74	-6.74
220 KV Auraja-Malanpur	-52	-50	0	115	0.00	1.21	-1.21
220 KV Badod-Kota/Morak	-139	-68	44	139	0.00	1.40	-1.40
Mundra-Mohindergarh(HVDC Bipole)	298	301	303	0	7.36	0.00	7.36
400 KV RAPPCC-Sujalpur	142	184	317	0	4.31	0.00	4.31
400 KV Vindhychal-Rihand	-962	-914	0	966	0.00	22.70	-22.70
765 kV Phagi-Gwalior (D/C)	595	906	1231	0	21.79	0.00	21.79
+/- 800 kV HVDC Champa-Kurushetra	2100	2100	2100	0	48.39	0	48.39
Sub Total WR	3310	4087			137.76	40.27	97.50
400 kV Sasaram - Varanasi	-48	-45	5	65	0.00	0.84	-0.84
400 kV Sasaram - Allahabad	-116	-104	0	130	0.00	1.95	-1.95
400 kV MZP- GKP (D/C)	19	62	232	17	2.27	0.00	2.27
400 kV Patna-Balia(D/C) X 2	364	451	571	0	11.19	0.00	11.19
400 kV B'Sharif-Balia (D/C)	109	140	216	0	3.92	0.00	3.92
765 KV Gaya-Balia	208	261	372	0	6.75	0.00	6.75
765 KV Gaya-Varanasi (D/C)	24	123	255	0	3.97	0.00	3.97
220 KV Pusauli-Sahupuri	162	144	166	0	3.26	0.00	3.26
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-28	-35	0	37	0.00	0.78	-0.78
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-98	-40	89	98	0.00	0.08	-0.08
400 KV Motihari -GKP (D/C)	194	152	254	0	4.58	0.00	4.58
400 kV B'Sharif - Varanasi (D/C)	71	34	91	87	0.02	0.00	0.02
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	11.31	0.00	11.31
Sub Total ER	1361	1643			47.28	3.65	43.63
+/- 800 KV HVDC BiswanathChariali-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	4671	5730			185.04	43.92	141.12

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
50.19	0.12	50.31	-10.66	-17.99	-1.58	-1.41	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
38.08	110.37	148.45	43.63	97.50	141.12	5.55	-12.87	-7.32

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

Element	Peak(19:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-39	-33	0	39	0	1	-0.85

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	7.28	60.69	81.82	10.05	1.25	0.00	0.00

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.16	14.02	49.81	21.12	49.98	0.034	0.056	50.06	49.90	18.18

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	>420 kV	>430 kV	
Rihand	400	408	14:02	400	13:40	0.0	0.0	0.0	0.0
Gorakhpur	400	414	8:52	402	21:14	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	3:57	398	18:39	0.0	0.0	0.0	0.0
Kanpur	400	419	8:52	404	18:40	0.0	0.0	0.0	0.0
Dadri	400	425	3:59	406	18:44	0.0	0.0	19.0	0.0
Ballabgarh	400	423	4:00	404	18:44	0.0	0.0	8.4	0.0
Bawana	400	427	4:04	403	19:05	0.0	0.0	22.0	0.0
Bassi	400	419	4:01	401	7:20	0.0	0.0	0.0	0.0
Hissar	400	422	4:01	402	18:42	0.0	0.0	0.8	0.0
Moga	400	425	4:00	405	18:41	0.0	0.0	15.3	0.0
Abdullapur	400	426	4:02	406	18:45	0.0	0.0	26.2	0.0
Nalagarh	400	432	4:02	412	18:39	0.0	0.0	48.2	0.5
Kishenpur	400	426	3:59	408	18:51	0.0	0.0	17.2	0.0
Wagoora	400	405	4:00	390	6:50	0.0	0.0	0.0	0.0
Amritsar	400	430	4:01	412	12:12	0.0	0.0	32.6	0.0
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0
Hamirpur	400	423	4:00	407	7:26	0.0	0.0	7.2	0.0
Rishikesh	400	414	3:59	390	18:44	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 Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	783	8:48	752	6:22	0.0	0.0	0.0	0.0	0.0
Balia	765	772	1:18	768	0:42	0.0	0.0	0.0	0.0	0.0
Moga	765	809	4:01	773	18:43	0.0	0.0	14.7	0.0	14.7
Agra	765	789	4:01	762	19:10	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	3:59	773	18:45	0.0	0.0	3.9	0.0	3.9
Unnao	765	774	8:48	746	18:45	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	8:50	758	18:40	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	4:01	773	18:44	0.0	0.0	23.0	0.0	23.0
Jhatikara	765	799	4:01	766	18:58	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	793	4:02	760	18:39	0.0	0.0	0.0	0.0	0.0
Anta	765	789	3:59	771	18:53	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	4:01	773	18:58	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	475.34	356.29	465.94	208.49	113.47	487.19
Pong	426.72	384.05	394.89	126.34	396.48	151.67	38.54	389.19
Tehri	829.79	740.04	770.10	209.34	767.00	180.91	39.40	209.00
Koteshwar	612.50	598.50	610.14	4.59	610.53	4.95	209.00	208.68
Chamera-I	760.00	748.75	754.19	0.00	0.00	0.00	68.56	87.03
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	495.75	1.39	504.53	2.20	56.68	71.21

* 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	-1167	-252	0	-1319	-252	0	-29.23	-3.63	-32.86
Delhi	-449	-524	0	-453	92	0	-10.13	-3.24	-13.37
Haryana	-504	18	0	-554	2	0	-14.16	-0.40	-14.56
HP	356	0	0	296	-126	0	10.45	-1.90	8.55
J&K	516	220	0	516	359	0	11.85	6.35	18.20
CHD	-45	0	0	-45	0	0	-0.54	-0.13	-0.67
Rajasthan	-91	-343	0	-91	-94	0	-2.25	-7.96	-10.20
UP	66	-17	0	66	-50	0	1.53	-0.81	0.72
Uttarakhand	196	447	0	196	550	0	4.83	11.89	16.72
Total	-1123	-452	0	-1389	481	0	-27.64	0.17	-27.47

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1167	-1470	-50	-252	0	0
Delhi	-351	-457	310	-576	0	0
Haryana	-504	-761	18	-502	0	0
HP	692	248	0	-493	0	0
J&K	516	472	428	-369	0	0
CHD	0	-45	0	-50	0	0
Rajasthan	-91	-143	584	-1607	0	0
UP	66	61	0	-88	0	0
Uttarakhand	226	196	622	297	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%
----------------	-------

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	0	10
Haryana	3	37
Rajasthan	1	14
Delhi	4	29
UP	0	11
Uttarakhand	6	68
HP	5	25
J & K	2	27
Chandigarh	5	38

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 23.03.2018 :****XVI. Synchronisation of new generating units :****XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

1. 765KV Jabalpur-Orai line-1 first time Anti-theft charged at 20:12hrs (22.03.2018) alongwith reactors at both ends.

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 : 23.03.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER