

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 23.01.2018
Date of Reporting : 24.01.2018



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
39444	555	39999	0.00	31570	290	31860	0.00	876.02	10.97

*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	Gas/Naphtha/ Diesel	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	63.88	12.11	0.00	4.25	0.00	1.25	81.48	19.39	18.89	-0.50	100.37	0.00
Haryana	49.69	0.08	0.00	0.00	0.00	0.08	49.85	60.70	61.95	1.25	111.80	0.05
Rajasthan	112.86	4.71	4.55	2.12	9.44	4.94	138.63	68.86	70.87	2.01	209.50	0.39
Delhi	0.00	0.00	18.19	0.00	0.00	0.00	18.19	47.70	47.11	-0.59	65.31	0.01
UP	151.37	5.20	0.00	0.00	0.00	21.60	178.17	99.17	99.45	0.29	277.62	0.23
Uttarakhand	0.00	8.37	0.00	0.27	0.00	0.00	8.65	28.11	27.19	-0.91	35.84	0.00
HP	0.00	2.93	0.00	0.00	0.00	1.28	4.20	22.76	24.04	1.29	28.25	0.03
J & K	0.00	3.85	0.00	0.00	0.00	3.85	41.13	39.70	-1.43	43.55	10.27	
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	3.69	3.69	3.79	0.10	3.79	0.00
Total	377.79	37.25	22.75	6.65	9.44	29.15	483.02	391.49	393.00	1.51	876.02	10.97

* 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	4691	0	-20	-1844	3075	0	-15	-1536	5329	8	0
Haryana	6045	56	133	-898	4149	0	114	-313	6678	7	0
Rajasthan	9464	0	-83	-51	8014	0	350	55	10016	7	746
Delhi	3174	0	-146	-986	1549	0	5	-1386	3736	12	0
UP	10991	0	-369	6	10990	0	80	-23	14375	7	430
Uttarakhand	1524	0	51	865	1208	0	-160	685	2095	8	0
HP	1367	0	-29	543	862	0	1	518	1559	9	5
J&K	1993	498	-85	1050	1643	290	-13	933	2074	20	519
Chandigarh	195	0	-6	-22	81	0	2	-31	222	9	0
Total	39444	555	-554	-1337	31570	290	364	-1099	43952	8	1482

* 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	1700	1848	1804	40.94	1706	40.11	0.83	
Rihand I STPS (2*500)	1000	881	920	918	20.74	864	20.84	-0.10	
Rihand II STPS (2*500)	1000	943	1029	923	22.36	932	21.99	0.37	
Rihand III STPS (2*500)	1000	943	986	894	21.97	915	21.59	0.38	
Dadri I STPS (4*210)	840	769	535	463	11.05	460	12.26	-1.21	
Dadri II STPS (2*490)	980	929	715	623	15.97	665	16.84	-0.86	
Unchahar I TPS (2*210)	420	350	278	233	6.16	257	6.11	0.05	
Unchahar II TPS (2*210)	420	383	282	246	6.45	269	6.27	0.18	
Unchahar III TPS (1*210)	210	192	115	115	3.08	128	3.14	-0.06	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	948	676	571	15.02	626	15.34	-0.31	
Dadri GPS (4*130.19+2*154.51)	830	838	0	0	0.00	0	0.00	0.00	
Anta GPS (3*88.71+1*153.2)	419	421	0	0	0.00	0	0.00	0.00	
Auraya GPS (4*111.19+2*109.30)	663	650	123	94	2.82	117	2.84	-0.02	
Dadri Solar(5)	5	0	0	0	0.00	0	0.01	0.00	
Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00	
Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00	
KHEP(4*200)	800	792	867	296	2.63	109	2.38	0.25	
Sub Total (A)	12612	10740	8374	7180	169	7054	170	-0.52	
B. NPC									
NAPS (2*220)	440	417	454	450	9.90	413	9.97	-0.07	
RAPS- B (2*220)	440	193	215	219	4.62	192	4.63	-0.01	
RAPS- C (2*220)	440	418	465	463	10.07	420	10.04	0.03	
Sub Total (B)	1320	1028	1134	1132	24.59	1025	24.64	-0.05	
C. NHPC									
Chamera I HPS (3*180)	540	534	417	0	1.81	75	1.60	0.21	
Chamera II HPS (3*100)	300	296	299	0	1.04	43	0.90	0.14	
Chamera III HPS (3*77)	231	152	159	0	0.62	26	0.50	0.12	
Bairasuli HPS(3*60)	180	59	121	0	0.39	16	0.36	0.03	
Salal-HPS (6*115)	690	70	308	30	2.09	87	1.68	0.41	
Tanakpur-HPS (3*31.4)	94	21	31	23	0.52	22	0.50	0.02	
Uri-I HPS (4*120)	480	65	230	20	1.76	73	1.56	0.21	
Uri-II HPS (4*60)	240	46	37	37	1.14	48	1.10	0.05	
Dhauliganga-HPS (4*70)	280	52	278	0	0.81	34	0.84	-0.03	
Dulhasti-HPS (3*130)	390	257	263	0	2.57	107	2.40	0.17	
Sewa-II HPS (3*40)	120	119	117	0	0.28	12	0.36	-0.08	
Parbati 3 (4*130)	520	16	132	0	0.42	17	0.39	0.03	
Sub Total (C)	4065	1686	2393	110	13	560	12	1.28	
D. SJVNL									
NJPC (6*250)	1500	1497	1565	0	6.27	261	6.20	0.07	
Rampur HEP (6*68.67)	412	404	1905	0	1.73	72	1.72	0.00	
Sub Total (D)	1912	1902	3470	0	8.00	333	7.92	0.08	
E. THDC									
Tehri HPS (4*250)	1000	948	929	0	7.78	324	7.70	0.08	
Koteswar HPS (4*100)	400	110	301	91	2.71	113	2.63	0.08	
Sub Total (E)	1400	1058	1230	91	10.49	437	10.33	0.16	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	643	1198	407	15.64	652	15.43	0.20	
Dehar HPS (6*165)	990	102	495	0	2.66	111	2.44	0.22	
Pong HPS (6*66)	396	179	330	0	4.31	180	4.29	0.02	
Sub Total (F)	2765	923	2023	407	22.60	942	22.16	0.44	
G. IPP(s)/JV(s)									
Allain Duhangan HPS(IPP) (2*96)	192	0	42	0	0.33	14	0.32	0.01	
Karcham Wantoo HPS(IPP) (4*250)	1000	0	775	0	3.43	143	3.32	0.11	
Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01	
Shree Cement TPS (2*150)	300	0	148	130	3.39	141	3.44	-0.05	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00	
Sainji HPS (IPP) (2*50)	100	0	0	0	0.20	0.20	0.00		
Sub Total (G)	1762	0	965	130	7.48	312	7.39	0.09	
H. Total Regional Entities (A-G)	25837	17338	19589	9050	255.89	10662	254.43	1.47	

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	160	160	3.49	145	
	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	192	565	8.71	363	
	Goindwal(GVK) (2*270)	540	0	0	0.00	0	
	Rajpura (2*700)	1400	1320	660	26.36	1098	
	Talwandi Saboo (3*660)	1980	1050	924	25.32	1055	
	Thermal (Total)	6560	2722	2309	63.88	2662	
	Total Hydro	1000	424	406	12.11	505	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	1.25	52	
	Solar	859	0	0	4.25	177	
	Renewable(Total)	1162	0	0	5.50	229	
	Total Punjab	8722	3146	2715	81.48	3395	
	Haryana	Paripat TPS (2*210+2*250)	920	0	0	0.00	0
		DCRTPP (Yamuna nagar) (2*300)	600	459	464	11.02	459
		Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
		RGTPP (khedar) (IPP) (2*600)	1200	794	792	17.76	740
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	783	742	20.90	871	
Thermal (Total)		4497	2036	1998	49.69	2070	
Total Hydro		62	4	5	0.08	3	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	0.08	3	
Solar		50	0	0	0.00	0	
Renewable(Total)		156	0	0	0.08	4	
Total Haryana		4715	2040	2003	49.85	2077	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1134	921	25.15	1048
		suratgarh TPS (6*250)	1500	1119	908	24.31	1013
		Chabra TPS (4*250)	1000	687	557	15.89	662
		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	186	188	4.55	190	
	RAPS A (NPC) (1*100+1*200)	300	193	192	4.46	186	
	Barsingsar (NLC) (2*125)	250	219	222	5.21	217	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	709	710	17.06	711	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1127	819	25.24	1051	
	Kawai(Adani) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	9536	5374	4517	121.87	5078	
	Total Hydro	550	215	117	4.71	196	
	Wind power	4292	240	538	9.44	393	
	Biomass	102	20	20	0.48	20	
	Solar	1995	0	0	2.12	88	
	Renewable/Others (Total)	6389	260	558	12.04	502	
	Total Rajasthan	16475	5849	5192	138.63	5776	
UP	Anpara TPS (3*210+2*500)	1630	1049	1156	31.60	1317	
	Obra TPS (2*50+2*94+5*200)	1194	386	383	9.80	408	
	Paricha TPS (2*110+2*220+2*250)	1160	582	589	15.90	663	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	314	316	8.40	350	
	Tanda TPS (NTPC) (4*110)	440	268	270	7.57	315	
	Roza TPS (IPP) (4*300)	1200	755	737	19.80	825	
	Anpara-C (IPP) (2*600)	1200	1108	1110	25.30	1054	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	278	4.60	192	
	Anpara-D(2*500)	1000	334	451	10.10	421	
	Lalitpur TPS(3*660)	1980	327	323	7.80	325	
	Bara(2*660)	1320	380	379	10.50	438	
	Thermal (Total)	12449	5503	5992	151.37	6307	
	Vishnuparvayq_HPS (IPP)(4*110)	440	73	73	1.80	75	
	Alaknanda(4*82.5)	330	79	0	1.20	50	
	Other Hydro	527	28	13	2.20	92	
	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	14855	6583	6978	178.17	7424	
	Uttarakhand	Other Hydro	1250	389	365	8.37	349
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	0.27	11	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		407	0	0	0.27	11	
Total Uttarakhand		2107	389	365	8.65	360	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	43	38	0.91	38	
	Pragati Gas Turbine (2x104+ 1x122)	330	265	273	6.51	271	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	452	454	10.77	449	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	760	765	18.19	758	
	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	760	765	18.19	758		

HP	Baspa HPS (IPP) (3*100)	300	30	0	0.98	41
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro (>25MW)	372	119	38	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	97	21	1.28	53
	Renewable(Total)	486	97	21	1.28	53
	Total HP	1244	247	59	4.20	175
	Total J & K	1398	200	138	4	160
Total State Control Area Generation		52451	19214	18216	483.02	20126
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6664	7936	165.79	6908	
Total Regional Availability(Gross)		78288	45466	35202	904.71	37696

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10800	904	61.25	2546
State Control Area Hydro	7468	1659	1176	37.25	1616
Total Regional Hydro	19702	12458	2080	98.50	4163

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.11	5
State Control Area Renewable	8844	357	579	19.17	799
Total Regional Renewable	8874	357	579	19.29	804

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

Element	Peak(19:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	Off Peak(03:00 Hrs)	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	250	-100	250	250	2.83	2.56	0.27
765 KV Gwalior-Agra (D/C)	1670	2059	2861	0	51.25	0.00	51.25
400 KV Zerda-Kankrol	-139	-154	0	173	0.00	2.86	-2.86
400 KV Zerda-Bhinmal	-60	-87	94	152	0.00	0.70	-0.70
220 KV Auraja-Malanpur	-83	-93	0	183	0.00	2.84	-2.84
220 KV Badod-Kota/Morak	-25	-43	88	123	0.00	0.49	-0.49
Mundra-Mohindergarh(HVDC Bipole)	798	802	1204	0	22.37	0.00	22.37
400 KV RAPPCC-Sujalpur	173	115	298	0	3.80	0.00	3.80
400 KV Vindhychal-Rihand	952	853	0	964	0.00	22.25	-22.25
765 kV Phagi-Gwalior (D/C)	886	1138	1412	0	27.26	0.00	27.26
+/- 800 kV HVDC Champa-Kurushetra	1600	2400	2400	0	49.98	0	49.98
Sub Total WR	6022	6890			157.49	31.69	125.80
400 kV Sasaram - Varanasi	170	170	180	0	3.96	0.00	3.96
400 kV Sasaram - Allahabad	75	71	112	0	2.00	0.00	2.00
400 KV MZP- GKP (D/C)	56	209	393	0	5.76	0.00	5.76
400 KV Patna-Balia(D/C) X 2	608	577	886	0	16.26	0.00	16.26
400 KV B'Sharif-Balia (D/C)	28	114	272	0	3.85	0.00	3.85
765 KV Gaya-Balia	49	148	278	0	4.63	0.00	4.63
765 KV Gaya-Varanasi (D/C)	161	139	602	0	8.21	0.00	8.21
220 KV Pusauli-Sahupuri	-164	0	168	0	0.71	0.00	0.71
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-15	-21	0	31	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-72	-96	96	161	0.00	0.36	-0.36
400 KV Motihari -GKP (D/C)	224	202	396	0	6.22	0.00	6.22
400 kV B'Sharif - Varanasi (D/C)	22	33	208	54	1.46	0.00	1.46
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1142	1546			53.06	0.90	52.17
+/- 800 KV HVDC BiswanathChariali-Agra	-500	-500	0	-500.00	0.00	12.17	-12.17
Sub Total NER	-500	-500			0.00	12.17	-12.17
Total IR Exch	6664	7936			210.55	44.76	165.79

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
45.48	0.24	45.72	-3.84	-31.31	0.67	-0.94	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
42.54	128.87	171.41	40.00	125.80	165.79	-2.55	-3.07	-5.62

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	Off Peak(03:00 Hrs)	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-40	-28	0	40	0	1	-0.77

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	0.03	11.52	69.33	81.34	6.44	0.74	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)	
50.16	18.03	49.80	17.10	49.97	0.043	0.058	0.00	0.00	18.66

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	<390 kV	>420 kV	
Rihand	400	404	13:02	399	6:10	0.0	0.0	0.0	0.0
Gorakhpur	400	415	2:01	400	10:35	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	16:56	401	6:44	0.0	0.0	0.4	0.0
Kanpur	400	421	4:01	407	6:28	0.0	0.0	0.2	0.0
Dadri	400	426	13:00	408	6:28	0.0	0.0	55.5	0.0
Ballabgarh	400	424	3:59	404	6:27	0.0	0.0	31.2	0.0
Bawana	400	427	14:41	407	6:27	0.0	0.0	62.5	0.0
Bassi	400	426	4:01	399	6:28	0.0	0.0	10.0	0.0
Hissar	400	422	13:00	398	6:29	0.0	0.0	0.5	0.0
Moga	400	425	13:00	403	6:26	0.0	0.0	2.8	0.0
Abdullapur	400	432	14:44	406	6:39	0.0	0.0	56.6	0.5
Nalagarh	400	432	4:01	407	6:42	0.0	0.0	76.1	1.3
Kishenpur	400	430	13:01	406	18:37	0.0	0.0	28.7	0.0
Wagoora	400	407	2:24	403	0:32	0.0	0.0	0.0	0.0
Amritsar	400	430	4:01	410	6:37	0.0	0.0	62.1	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0
Hamirpur	400	423	23:36	397	6:45	0.0	0.0	9.9	0.0
Rishikesh	400	421	16:56	394	6:37	0.0	0.0	0.7	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	782	13:58	741	6:29	0.0	0.1	0.0	0.0	0.0
Balia	765	783	4:01	759	10:35	0.0	0.0	0.0	0.0	0.0
Moga	765	810	13:00	759	6:28	0.0	0.0	3.8	0.0	3.8
Agra	765	799	13:01	764	6:30	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	811	13:00	774	6:24	0.0	0.0	30.4	0.0	30.4
Unnao	765	775	16:56	746	10:20	0.0	0.0	0.0	0.0	0.0
Lucknow	765	791	4:03	764	10:26	0.0	0.0	0.0	0.0	0.0
Meerut	765	816	13:00	771	6:28	0.0	0.0	27.8	0.0	27.8
Jhatikara	765	810	13:02	772	6:29	0.0	0.0	29.1	0.0	29.1
Bareilly 765 kV	765	800	16:56	766	6:44	0.0	0.0	0.0	0.0	0.0
Anta	765	799	4:01	770	6:24	0.0	0.0	0.0	0.0	0.0
Phagi	765	804	4:00	767	6:29	0.0	0.0	2.9	0.0	2.9

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	493.42	848.04	483.48	544.27	189.04	479.43
Pong	426.72	384.05	413.04	600.05	405.58	361.16	62.24	291.49
Tehri	829.79	740.04	798.70	587.50	798.70	587.50	39.14	193.00
Koteshwar	612.50	598.50	611.12	5.13	610.27	4.70	193.00	179.06
Chamera-I	760.00	748.75	757.17	0.00	0.00	0.00	39.28	48.96
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	498.17	2.96	502.73	1.84	48.45	163.96

* 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	-1485	-51	0	-1485	-358	0	-36.62	-3.32	-39.94
Delhi	-892	-494	0	-746	-240	0	-19.16	-5.32	-24.49
Haryana	-494	181	0	-638	-260	0	-20.48	-2.75	-23.23
HP	410	108	0	391	153	0	12.69	-0.61	12.08
J&K	796	137	0	796	254	0	18.75	3.09	21.84
CHD	-31	0	0	-31	9	0	-0.37	0.13	-0.24
Rajasthan	-101	156	0	-101	50	0	-0.86	3.07	2.21
UP	48	-71	0	72	-66	0	0.87	-1.62	-0.75
Uttarakhand	410	275	0	410	455	0	9.95	8.04	17.99
Total	-1339	240	0	-1332	-5	0	-35.23	0.70	-34.53

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1475	-1587	-51	-717	0	0
Delhi	-598	-917	285	-536	0	0
Haryana	-474	-1336	185	-1113	0	0
HP	805	260	323	-597	0	0
J&K	796	767	391	-440	0	0
CHD	0	-31	34	-36	0	0
Rajasthan	56	-101	527	32	0	0
UP	81	-61	-66	-71	0	0
Uttarakhand	467	410	615	34	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	2	17
Haryana	2	24
Rajasthan	1	14
Delhi	2	20
UP	1	22
Uttarakhand	3	27
HP	4	44
J & K	3	18
Chandigarh	4	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 23.01.2018 :

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 : 23.01.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER