

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.01.2018
Date of Reporting : 28.01.2018



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
43337	667	44004	49.98	28570	297	28867	50.01	892.14	13.87

*Half hourly flow 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	65.20	8.67	0.00	2.61	0.00	2.34	78.82	24.08	23.09	-0.99	101.91	0.00
Haryana	56.23	0.09	0.00	0.01	0.00	0.09	56.42	54.19	54.95	0.76	111.37	0.00
Rajasthan	117.12	4.20	4.47	3.20	2.41	5.12	136.51	73.75	76.97	3.22	213.47	1.96
Delhi	-0.01	0.00	15.58	0.00	0.00	0.00	15.57	49.82	49.53	-0.28	65.11	0.01
UP	152.08	6.34	0.00	1.75	0.00	21.60	181.77	105.44	107.09	1.64	288.85	0.00
Uttarakhand	0.00	6.70	0.00	0.32	0.00	0.00	7.03	27.30	28.27	0.97	35.30	0.40
HP	0.00	2.92	0.00	0.00	0.00	1.20	4.12	21.18	22.31	1.13	26.43	0.59
J & K	0.00	3.85	0.00	0.00	0.00	0.00	3.85	43.65	42.29	-1.36	46.14	10.91
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	3.55	0.32	3.55	0.00
Total	390.62	32.77	20.05	7.89	2.41	30.35	484.09	402.64	408.05	5.40	892.14	13.87

* 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	5202	0	-58	-1387	2636	0	-98	-1285	5202	19	0
Haryana	6381	0	-131	-555	3280	0	57	-416	6417	20	0
Rajasthan	9412	88	148	-44	7670	0	161	59	11042	8	0
Delhi	3146	0	-77	-942	1373	0	0	-1263	3887	11	0
UP	13497	0	91	-14	10088	0	152	-57	13635	18	0
Uttarakhand	1946	0	76	828	1027	0	101	403	2024	9	0
HP	1369	31	48	408	731	0	-38	553	1512	10	24
J&K	2193	548	82	1093	1685	297	-68	942	2199	20	550
Chandigarh	192	0	0	-31	80	0	1	-31	222	10	0
Total	43337	667	179	-644	28570	297	268	-1095	43337	19	667

* 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	874	935	928	20.37	849	20.35	0.02	
Rihand II STPS (2*500)	1000	943	1027	942	22.18	924	21.84	0.33	
Rihand III STPS (2*500)	1000	943	1003	951	21.93	914	21.82	0.11	
Dadri I STPS (4*210)	840	769	662	417	12.05	502	12.34	-0.29	
Dadri II STPS (2*490)	980	929	882	497	17.39	724	17.96	-0.58	
Unchahar I TPS (2*210)	420	322	342	125	6.75	281	7.01	-0.26	
Unchahar II TPS (2*210)	420	383	412	243	7.65	319	7.81	-0.16	
Unchahar III TPS (1*210)	210	192	202	117	3.78	158	3.93	-0.15	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	948	952	596	16.98	708	17.63	-0.65	
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	652	159	92	3.21	134	3.32	-0.11	
Dadri Solar(5)	5	0	0	0	0.02	1	0.01	0.00	
Unchahar Solar(10)	10	2	0	0	0.05	2	0.04	0.00	
Singrauli Solar(15)	15	3	0	0	0.08	3	0.07	0.01	
KHEP(4*200)	800	792	861	0	2.68	112	2.38	0.31	
Sub Total (A)	12612	10719	9300	6508	176	7328	177	-0.88	
B. NPC	NAPS (2*220)	440	419	454	453	9.98	416	10.01	-0.04
RAPS- B (2*220)	440	195	217	219	4.67	195	4.68	-0.01	
RAPS- C (2*220)	440	418	466	464	10.07	420	10.03	0.04	
Sub Total (B)	1320	1032	1137	1136	24.72	1030	24.73	0.00	
C. NHPC	Chamera I HPS (3*180)	540	534	407	0	1.79	75	1.60	0.19
Chamera II HPS (3*100)	300	296	298	0	1.18	49	1.05	0.13	
Chamera III HPS (3*77)	231	216	153	0	0.80	33	0.69	0.11	
Bairasuli HPS(3*60)	180	59	122	0	0.39	16	0.36	0.03	
Salal-HPS (6*115)	690	70	0	0	0.00	0	1.68	-1.68	
Tanakpur-HPS (3*31.4)	94	21	32	20	0.53	22	0.49	0.03	
Uri-I HPS (4*120)	480	63	82	30	1.69	70	1.51	0.18	
Uri-II HPS (4*60)	240	48	72	37	1.18	49	1.15	0.04	
Dhauliganga-HPS (4*70)	280	52	278	0	0.80	33	0.84	-0.04	
Dulhasti-HPS (3*130)	390	257	261	0	2.61	109	2.50	0.11	
Sewa-II HPS (3*40)	120	119	120	0	0.27	11	0.36	-0.09	
Parbati 3 (4*130)	520	16	0	0	0.00	0	0.39	-0.39	
Sub Total (C)	4065	1749	1824	87	11	468	13	-1.38	
D.SJVNL	NJPC (6*250)	1500	1497	1537	0	5.83	243	5.70	0.13
Rampur HEP (6*68.67)	412	412	382	0	1.62	68	1.59	0.03	
Sub Total (D)	1912	1910	1919	0	7.45	310	7.29	0.16	
E. THDC	Tehri HPS (4*250)	1000	920	923	0	7.72	322	7.60	0.12
Koteswar HPS (4*100)	400	120	299	91	2.93	122	2.88	0.05	
Sub Total (E)	1400	1040	1222	91	10.65	444	10.48	0.17	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	611	1138	431	14.82	617	14.67	0.15
Dehar HPS (6*165)	990	94	495	0	2.37	99	2.27	0.10	
Pong HPS (6*66)	396	198	330	0	4.80	200	4.76	0.04	
Sub Total (F)	2765	904	1963	431	21.99	916	21.70	0.29	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	647	0	0.32	13	0.31	0.01
Karcham Wantoo HPS(IPP) (4*250)	1000	0	775	0	3.25	135	3.20	0.04	
Malana Stg-II HPS (2*50)	100	0	0	0	0.18	7	0.17	0.01	
Shree Cement TPS (2*150)	300	0	43	-1	0.24	10	0.56	-0.32	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00	
Sainj HPS (IPP) (2*50)	100	0	0	0	0.27	0.27	0.27	0.00	
Sub Total (G)	1762	0	7265	-1	4.12	172	4.37	-0.25	
H. Total Regional Entities (A-G)	25837	17354	24630	8252	256.01	10667	257.91	-1.89	

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	3.67	153	
	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	373	374	8.46	352	
	Goindwal(GVK) (2*270)	540	145	145	4.04	168	
	Rajpura (2*700)	1400	1320	330	22.11	921	
	Talwandi Saboo (3*660)	1980	1174	924	26.94	1122	
	Thermal (Total)	6560	3172	1933	65.20	2717	
	Total Hydro	1000	402	157	8.67	361	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	2.34	98	
	Solar	859	0	0	2.61	109	
	Renewable(Total)	1162	0	0	4.95	206	
	Total Punjab	8722	3574	2090	78.82	3284	
	Haryana	Paripat TPS (2*210+2*250)	920	0	0	0.00	0
		DCRTPP (Yamuna nagar) (2*300)	600	568	460	12.05	502
		Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
		RGTPP (khedar) (IPP) (2*600)	1200	942	767	19.54	814
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1201	738	24.64	1027	
Thermal (Total)		4497	2711	1965	56.23	2343	
Total Hydro		62	2	3	0.09	4	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	0.09	4	
Solar		50	0	0	0.01	0	
Renewable(Total)		156	0	0	0.10	4	
Total Haryana		4715	2713	1968	56.42	2351	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1088	912	25.73	1072
		suratgarh TPS (6*250)	1500	1117	905	25.89	1079
		Chabra TPS (4*250)	1000	674	644	15.48	645
		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	180	189	4.47	186	
	RAPS A (NPC) (1*100+1*200)	300	194	193	4.47	186	
	Barsingsar (NLC) (2*125)	250	218	219	5.15	215	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	823	799	19.42	809	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1126	812	25.44	1060	
	Kawai(Adani) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	9536	5420	4673	126.06	5252	
	Total Hydro	550	196	124	4.20	175	
	Wind power	4292	53	108	2.41	100	
	Biomass	102	27	27	0.64	27	
	Solar	1995	9	0	3.20	133	
	Renewable/Others (Total)	6389	89	135	6.25	260	
	Total Rajasthan	16475	5705	4932	136.51	5688	
	UP	Anpara TPS (3*210+2*500)	1630	1363	1037	33.56	1398
Obra TPS (2*50+2*94+5*200)		1194	453	422	10.72	447	
Paricha TPS (2*110+2*220+2*250)		1160	827	595	18.52	771	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaqani TPS (1*60+1*105+2*250)		665	449	314	9.38	391	
Tanda TPS (NTPC) (4*110)		440	396	195	8.28	345	
Roza TPS (IPP) (4*300)		1200	1065	737	21.21	884	
Anpara-C (IPP) (2*600)		1200	1116	1096	26.41	1100	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*500)		1000	461	452	10.85	452	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	574	373	13.16	549	
Thermal (Total)		12449	6704	5221	152.08	6337	
Vishnuparvaq_HPS (IPP)(4*110)		440	73	68	1.67	70	
Alakanada(4*82.5)		330	73	0	1.16	48	
Other Hydro		527	144	31	3.51	146	
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	1.75	73	
Renewable(Total)		128	0	0	1.75	73	
Total UP		14855	7894	6220	181.77	7574	
Uttarakhand		Other Hydro	1250	475	114	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	0.32	14	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.32	14	
	Total Uttarakhand	2107	475	114	7.03	293	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	40	41	0.91	38	
	Pragati Gas Turbine (2x104+ 1x122)	330	263	273	6.49	271	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	249	251	8.18	341	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	552	565	15.57	649	
	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	552	565	15.57	649		

HP		300	32	0	1.05	44
	Baspa HPS (IPP) (3*100)	300	32	0	1.05	44
	Malana HPS (IPP) (2*43)	86	0	0	0.17	7
	Other Hydro (>25MW)	372	133	39	1.69	71
	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	80	26	1.20	50
	Renewable(Total)	486	80	26	1.20	50
	Total HP	1244	246	65	4.12	172
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	119	118	2.84	118
	Other Hydro/IPP(including 98 MW Small Hydro)	308	82	20	1.02	42
	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	201	138	4	160
	Total State Control Area Generation	52451	21360	16092	484.09	20170
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]						
		5446	6258	172.80	7200	
Total Regional Availability(Gross)		78288	51435	30602	912.90	38037

IV. Total Hydro Generation:

Regional Entities Hydro	12234	15011	609	57.87	2406
State Control Area Hydro	7468	1812	700	32.77	1429
Total Regional Hydro	19702	16822	1309	90.64	3834

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	8844	169	161	14.58	607
Total Regional Renewable	8874	169	161	14.71	613

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

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-200	50	250	250	0.95	1.46	-0.51
765 KV Gwalior-Agra (D/C)	1816	2336	2787	0	54.63	0.00	54.63
400 KV Zerde-Kankroli	-171	-140	0	205	0.00	2.99	-2.99
400 KV Zerde-Bhimnal	-107	-24	162	117	0.00	0.57	-0.57
220 KV Auraja-Malanpur	-115	-84	0	169	0.00	2.77	-2.77
220 KV Badod-Kota/Morak	-61	-10	57	61	0.00	0.18	-0.18
Mundra-Mohindergarh(HVDC Bipole)	800	800	1003	0	19.34	0.00	19.34
400 KV RAPPCC-Sujalpur	253	310	480	0	7.32	0.00	7.32
400 KV Vindhychal-Rihand	-954	-920	0	975	0.00	22.16	-22.16
765 kV Phagi-Gwalior (D/C)	962	1362	1687	0	31.89	0.00	31.89
+/- 800 kV HVDC Champa-Kurushetra	2000	850	2400	0	38.55	0	38.55
Sub Total WR	4223	4530			152.68	30.14	122.54
400 kV Sasaram - Varanasi	158	157	167	0	3.72	0.00	3.72
400 kV Sasaram - Allahabad	84	88	118	0	2.19	0.00	2.19
400 kV MZP- GKP (D/C)	159	311	495	0	7.87	0.00	7.87
400 kV Patna-Balia(D/C) X 2	633	624	965	0	18.23	0.00	18.23
400 kV B'Sharif-Balia (D/C)	75	173	306	0	4.94	0.00	4.94
765 KV Gaya-Balia	127	207	289	0	5.42	0.00	5.42
765 KV Gaya-Varanasi (D/C)	237	335	687	0	10.13	0.00	10.13
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	22	24	243	22	2.17	0.00	2.17
400 KV Motihari -GKP (D/C)	222	252	376	0	5.96	0.00	5.96
400 kV B'Sharif - Varanasi (D/C)	6	57	245	17	2.38	0.00	2.38
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1723	2228			63.01	0.54	62.47
+/- 800 KV HVDC BiswanathChariali-Agra	-500	-500	0	500.00	0.00	12.21	-12.21
Sub Total NER	-500	-500			0.00	12.21	-12.21
Total IR Exch	5446	6258			215.69	42.89	172.80

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
47.40	0.30	47.69	-3.50	-24.31	9.78	-1.93	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
53.97	126.09	180.06	50.26	122.54	172.80	-3.72	-3.55	-7.26

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

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	41	-20	0	41	0	1	-0.80

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	0.32	10.93	65.43	78.34	8.47	2.30	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)	
50.19	18.02	49.78	8.51	49.98	0.043	0.061	50.09	49.85	21.66

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	>430 kV	
Rihand	400	405	2:00	399	6:44	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	3:03	401	10:26	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	4:00	396	11:19	0.0	0.0	0.0	0.0	0.0
Kanpur	400	421	2:01	406	10:09	0.0	0.0	0.6	0.0	0.6
Dadri	400	428	1:58	409	10:09	0.0	0.0	25.7	0.0	25.7
Ballabgarh	400	429	4:02	405	10:09	0.0	0.0	23.2	0.0	23.2
Bawana	400	430	1:59	408	18:40	0.0	0.0	28.7	0.0	28.7
Bassi	400	428	4:01	400	7:24	0.0	0.0	8.3	0.0	8.3
Hissar	400	422	4:02	403	18:39	0.0	0.0	0.9	0.0	0.9
Moga	400	421	2:01	408	6:53	0.0	0.0	0.1	0.0	0.1
Abdullapur	400	432	1:59	408	18:40	0.0	0.0	35.0	4.6	35.0
Nalagarh	400	432	1:16	410	18:35	0.0	0.0	53.5	5.2	53.5
Kishenpur	400	420	1:14	404	18:39	0.0	0.0	0.0	0.0	0.0
Wagoora	400	396	2:00	385	18:35	0.0	48.1	0.0	0.0	0.0
Amritsar	400	428	2:00	410	18:36	0.0	0.0	25.5	0.0	25.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	3:04	407	18:19	0.0	0.0	11.5	0.0	11.5
Rishikesh	400	418	4:00	394	8:45	0.0	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	780	13:19	748	6:21	0.0	0.0	0.0	0.0	0.0
Balia	765	787	4:01	760	10:27	0.0	0.0	0.0	0.0	0.0
Moga	765	799	20:57	767	6:55	0.0	0.0	0.0	0.0	0.0
Agra	765	797	4:00	766	8:51	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	808	2:01	781	10:07	0.0	0.0	20.8	0.0	20.8
Unnao	765	774	2:00	744	10:09	0.0	0.0	0.0	0.0	0.0
Lucknow	765	794	4:00	762	10:26	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	4:00	777	6:54	0.0	0.0	28.2	0.0	28.2
Jhatikara	765	812	4:01	780	8:51	0.0	0.0	24.8	0.0	24.8
Bareilly 765 kV	765	799	4:00	765	8:48	0.0	0.0	0.0	0.0	0.0
Anta	765	800	4:03	776	6:17	0.0	0.0	0.0	0.0	0.0
Phagi	765	805	4:00	771	7:14	0.0	0.0	8.9	0.0	8.9

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	492.68	817.99	482.89	527.87	164.66	414.70
Pong	426.72	384.05	406.53	388.64	405.27	352.07	47.83	325.33
Tehri	829.79	740.04	797.05	561.21	797.10	562.01	46.14	193.00
Koteshwar	612.50	598.50	610.53	4.83	609.41	4.60	193.00	193.50
Chamera-I	760.00	748.75	756.90	0.00	0.00	0.00	39.33	48.13
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	497.33	2.02	503.11	1.68	44.30	102.91

* 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	-1285	0	0	-1285	-102	0	-32.02	-1.38	-33.40
Delhi	-891	-371	0	-725	-217	0	-19.05	-2.38	-21.43
Haryana	-459	43	0	-638	83	0	-19.93	-1.24	-21.16
HP	427	125	0	408	0	0	13.12	-1.34	11.79
J&K	796	146	0	796	297	0	18.75	4.60	23.35
CHD	-31	0	0	-31	0	0	-0.37	-0.11	-0.48
Rajasthan	-96	155	0	-96	52	0	-0.74	7.41	6.66
UP	14	-71	0	53	-66	0	0.24	-1.62	-1.38
Uttarakhand	410	-7	0	410	418	0	9.95	4.92	14.87
Total	-1114	19	0	-1109	465	0	-30.04	8.87	-21.17

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1275	-1475	0	-512	0	0
Delhi	-599	-893	488	-386	0	0
Haryana	-459	-1303	133	-1013	0	0
HP	823	279	146	-663	0	0
J&K	796	767	478	-374	0	0
CHD	0	-31	0	-46	0	0
Rajasthan	61	-96	1905	-211	0	0
UP	53	-80	-66	-71	0	0
Uttarakhand	467	410	508	-7	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	15
Haryana	0	12
Rajasthan	3	23
Delhi	5	22
UP	1	15
Uttarakhand	0	12
HP	4	23
J & K	5	39
Chandigarh	6	37

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.01.2018 :

XVI. Synchronisation of new generating units :

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

765/400 kV ICT 1, 1500 MVA at Hapur S/S(UP) First Time charged from 400 kV and taken on load at 13.48 Hrs.

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 : 27.01.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER