

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GH188682

Power Supply Position in Northern Region for 28.02.2018
Date of Reporting : 01.03.2018



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
42449	521	42970	49.95	33769	203	33972	50.00	921.73	20.83

*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	73.35	9.61	0.00	2.92	0.00	2.77	88.65	26.97	27.42	0.45	116.07	0.00
Haryana	52.78	0.06	0.00	0.13	0.00	1.18	54.16	69.29	70.99	1.70	125.15	4.27
Rajasthan	126.70	3.95	4.15	1.90	2.24	5.09	144.02	62.68	66.43	3.75	210.45	5.80
Delhi	0.00	0.00	13.69	0.00	0.00	0.00	13.69	49.87	49.71	-0.16	63.40	0.03
UP	162.38	7.10	0.00	0.00	0.00	21.60	191.08	109.26	109.21	-0.06	300.28	1.43
Uttarakhand	0.00	7.26	0.00	0.61	0.00	0.00	7.86	25.49	25.40	-0.09	33.27	0.06
HP	0.00	2.91	0.00	0.00	0.00	1.55	4.45	21.85	22.51	0.66	26.96	0.00
J & K	0.00	4.24	0.00	0.00	0.00	0.00	4.24	39.87	38.74	-1.13	42.97	9.24
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16	3.18	0.02	3.18	0.00
Total	415.20	35.12	17.84	5.56	2.24	32.19	508.14	408.45	413.59	5.14	921.73	20.83

* Shortage furnished by the respective constituent. Includes 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	5590	0	-4	-1460	3706	0	248	-1002	5590	19	0
Haryana	6095	0	-198	-634	4392	0	29	-415	6143	20	0
Rajasthan	8578	0	144	-538	8279	0	-67	36	9800	8	714
Delhi	3092	0	-208	-677	1675	0	94	-1387	3498	12	1
UP	14066	0	544	1875	12074	0	117	3	14878	20	510
Uttarakhand	1753	0	55	655	1146	0	-12	255	1821	7	0
HP	1196	0	-53	401	822	0	19	436	1529	8	0
J&K	1919	521	105	848	1600	203	-40	806	2113	13	443
Chandigarh	162	0	-21	-36	74	0	-1	-36	188	9	0
Total	42449	521	363	434	33769	203	387	-1304	43588	20	838

* 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	870	945	953	21.10	879	20.78	0.31	
Rihand II STPS (2*500)	1000	943	993	1014	22.99	958	22.50	0.49	
Rihand III STPS (2*500)	1000	943	1011	988	22.74	948	22.49	0.25	
Dadri I STPS (4*210)	840	769	825	525	15.38	641	16.12	-0.74	
Dadri II STPS (2*490)	980	464	515	309	9.98	416	9.63	0.35	
Unchahar I TPS (2*210)	420	382	378	330	8.23	343	8.59	-0.36	
Unchahar II TPS (2*210)	420	382	417	309	8.21	342	8.41	-0.19	
Unchahar III TPS (1*210)	210	191	210	184	4.12	172	4.25	-0.13	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	948	998	972	21.60	900	21.78	-0.18	
Dadri GPS (4*130.19+2*154.51)	830	813	189	113	3.75	156	3.78	-0.03	
Anta GPS (3*88.71+1*153.2)	419	416	0	0	0.00	0	0.00	0.00	
Auraya GPS (4*111.19+2*109.30)	663	655	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	0.05	2	0.05	0.00	
Singrauli Solar(15)	15	3	0	0	0.08	3	0.07	0.01	
KHEP(4*200)	800	792	868	0	2.63	110	2.38	0.25	
Sub Total (A)	12612	10253	9171	7533	182	7573	181	0.61	
B. NPC	NAPS (2*220)	440	407	438	445	9.72	405	9.74	-0.03
RAPS- B (2*220)	440	393	432	436	9.40	392	9.32	0.08	
RAPS- C (2*220)	440	200	236	233	4.85	202	4.80	0.05	
Sub Total (B)	1320	1000	1106	1114	23.97	999	23.86	0.11	
C. NHPC	Chamera I HPS (3*180)	540	534	550	0	1.97	82	1.80	0.17
Chamera II HPS (3*100)	300	296	302	0	1.35	56	1.20	0.15	
Chamera III HPS (3*77)	231	228	235	0	0.77	32	0.69	0.08	
Bairasuli HPS(3*60)	180	59	122	0	0.88	37	0.56	0.32	
Saial-HPS (6*115)	690	102	435	30	3.31	138	2.44	0.86	
Tanakpur-HPS (3*31.4)	94	18	32	16	0.50	21	0.44	0.06	
Uri-I HPS (4*120)	480	121	267	82	3.21	134	2.91	0.30	
Uri-II HPS (4*60)	240	76	180	73	1.91	79	1.81	0.09	
Dhauliganga-HPS (4*70)	280	277	280	0	0.80	33	0.84	-0.04	
Dulhasti-HPS (3*130)	390	385	410	0	2.89	120	2.70	0.19	
Sewa-II HPS (3*40)	120	119	126	118	2.94	123	2.85	0.09	
Parbati 3 (4*130)	520	16	128	0	0.40	17	0.39	0.01	
Sub Total (C)	4065	2231	3067	319	21	872	19	2.29	
D. SJVNL	NJPC (6*250)	1500	1263	1289	0	6.21	259	6.00	0.21
Rampur HEP (6*68.67)	412	344	372	0	1.78	74	1.68	0.10	
Sub Total (D)	1912	1607	1661	0	7.99	333	7.68	0.31	
E. THDC	Tehri HPS (4*250)	1000	814	811	0	7.49	312	7.42	0.07
Koteswar HPS (4*100)	400	126	94	92	3.08	129	3.02	0.06	
Sub Total (E)	1400	940	905	92	10.57	440	10.44	0.13	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	698	1173	402	17.01	709	16.75	0.26
Dehar HPS (6*165)	990	115	495	0	2.98	124	2.76	0.22	
Pong HPS (6*66)	396	215	305	0	5.28	220	5.16	0.12	
Sub Total (F)	2765	1028	1973	402	25.28	1053	24.67	0.61	
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	0	0	0.35	14	0.33	0.02
Karcham Wantoo HPS(IPP) (4*250)	1000	0	775	0	3.47	145	3.32	0.15	
Malana Stg-II HPS (2*50)	100	0	0	0	0.22	9	0.21	0.01	
Shree Cement TPS (2*150)	300	0	147	103	3.32	138	3.25	0.07	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.15	6	0.14	0.02	
Sainj HPS (IPP) (2*50)	100	0	0	0	0.25	0	0.25	0.00	
Sub Total (G)	1762	0	922	103	7.51	313	7.24	0.27	
H. Total Regional Entities (A-G)	25837	17059	18805	9564	278.00	11583	273.67	4.32	

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	210	160	4.17	174	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.01	-1	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	412	170	5.90	246	
	Goindwal(GVK) (2*270)	540	220	145	4.85	202	
	Rajpura (2*700)	1400	1320	1320	31.70	1321	
	Talwandi Saboo (3*660)	1980	1228	716	26.75	1114	
	Thermal (Total)	6560	3390	2511	73.35	3056	
	Total Hydro	1000	352	236	9.61	400	
	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	3742	2747	88.65	3694	
	Haryana	Panipat TPS (2*210+2*250)	920	454	0	7.09	296
		DCRTPP (Yamuna nagar) (2*300)	600	274	238	6.23	260
		Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
		RGTPP (khedar) (IPP) (2*600)	1200	508	386	11.83	493
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CL.P) (2*660)		1320	1203	992	27.62	1151	
Thermal (Total)		4497	2439	1616	52.78	2199	
Total Hydro		62	2	4	0.06	3	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	1.18	49	
Solar		50	0	0	0.13	6	
Renewable(Total)		156	0	0	1.32	55	
Total Haryana		4715	2441	1620	54.16	2257	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1009	1036	23.38	974
		suratgarh TPS (6*250)	1500	863	822	20.78	866
		Chabra TPS (4*250)	1000	1232	1150	28.64	1193
		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	177	178	4.15	173	
	RAPS A (NPC) (1*100+1*200)	300	189	192	4.42	184	
	Barsingsar (NLC) (2*125)	250	212	212	4.31	180	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	948	946	23.21	967	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1123	1120	26.37	1099	
	Kawai(Adani) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	9536	5753	5656	135.27	5636	
	Total Hydro	550	155	151	3.95	164	
	Wind power	4292	99	58	2.24	93	
	Biomass	102	28	28	0.67	28	
	Solar	1995	0	0	1.90	79	
	Renewable/Others (Total)	6389	127	86	4.81	200	
	Total Rajasthan	16475	6035	5893	144.02	6001	
	UP	Anpara TPS (3*210+2*500)	1630	1341	1356	34.20	1425
Obra TPS (2*50+2*94+5*200)		1194	404	386	8.80	367	
Paricha TPS (2*110+2*220+2*250)		1160	903	879	20.60	858	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaqani TPS (1*60+1*105+2*250)		665	543	494	12.20	508	
Tanda TPS (NTPC) (4*110)		440	395	392	8.98	374	
Roza TPS (IPP) (4*300)		1200	965	956	21.90	913	
Anpara-C (IPP) (2*600)		1200	1022	1018	24.40	1017	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*500)		1000	897	901	21.60	900	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(3*660)		1980	401	414	9.70	404	
Thermal (Total)		13109	6871	6796	162.38	6766	
Vishnuparvaq_HPS (IPP)(4*110)		440	63	63	1.50	63	
Alakanada(4*82.5)		330	82	0	1.10	46	
Other Hydro		527	227	228	4.50	188	
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	8143	7987	191.08	7962		
Uttarakhand	Other Hydro	1250	490	229	7.26	302	
	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	0.61	25	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.61	25	
	Total Uttarakhand	2107	490	229	7.86	328	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	40	41	0.92	38	
	Pragati Gas Turbine (2x104+ 1x122)	330	258	260	6.56	273	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	257	251	6.21	259	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	555	552	13.69	570	
	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	555	552	13.69	570		

HP		300	0	0	1.00	42
	Baspa HPS (IPP) (3*100)	300	0	0	1.00	42
	Malana HPS (IPP) (2*43)	86	0	0	0.23	9
	Other Hydro (>25MW)	372	93	31	1.68	70
	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	114	35	1.55	64
	Renewable(Total)	486	114	35	1.55	64
	Total HP	1244	207	66	4.45	186
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	122	122	2.93	122
	Other Hydro/IPP(including 98 MW Small Hydro)	308	91	37	1.31	55
	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	213	159	4	177
	Total State Control Area Generation	53111	21825	19253	508.14	21173
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]						
		4608	6527	157.70	6571	
Total Regional Availability(Gross)		78948	45238	35344	943.84	39327

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9249	813	71.58	2976
State Control Area Hydro	7468	1791	1136	35.12	1553
Total Regional Hydro	19702	11040	1949	106.70	4529

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	8844	241	121	13.97	582
Total Regional Renewable	8874	241	121	14.11	588

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)	-100	-250	0	250	0.00	4.73	-4.73
765 KV Gwalior-Agra (D/C)	1369	1564	2658	0	44.96	0.00	44.96
400 KV Zerda-Kankroli	-305	-273	0	307	0.00	5.58	-5.58
400 KV Zerda-Bhimnal	-202	-210	0	278	0.00	3.75	-3.75
220 KV Auraja-Malanpur	-141	-121	0	178	0.00	2.94	-2.94
220 KV Badod-Kota/Morak	-159	-109	6	159	0.00	1.87	-1.87
Mundra-Mohindergarh(HVDC Bipole)	997	1003	1204	0	23.78	0.00	23.78
400 KV RAPPCC-Sujalpur	142	170	283	0	4.70	0.00	4.70
400 KV Vindhychal-Rihand	-961	-941	0	978	0.00	23.03	-23.03
765 kV Phagi-Gwalior (D/C)	523	892	1127	0	23.18	0.00	23.18
+/- 800 kV HVDC Champa-Kurushetra	2000	2500	2500	0	49.96	0	49.96
Sub Total WR	3163	4225			146.57	41.90	104.67
400 kV Sasaram - Varanasi	140	134	145	0	2.93	0.00	2.93
400 kV Sasaram - Allahabad	54	61	92	0	1.66	0.00	1.66
400 kV MZP- GKP (D/C)	247	146	495	2	6.20	0.00	6.20
400 kV Patna-Balia(D/C) X 2	761	594	984	0	18.30	0.00	18.30
400 kV B'Sharif-Balia (D/C)	173	134	318	0	5.10	0.00	5.10
765 KV Gaya-Balia	160	168	345	0	5.91	0.00	5.91
765 KV Gaya-Varanasi (D/C)	141	146	441	0	6.17	0.00	6.17
220 KV Pusauli-Sahupuri	163	124	163	0	3.32	0.00	3.32
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-21	-22	0	25	0.00	0.48	-0.48
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-1	15	197	85	1.51	-0.00	1.51
400 KV Motihari -GKP (D/C)	268	278	378	0	6.80	0.00	6.80
400 kV B'Sharif - Varanasi (D/C)	60	24	256	43	2.61	0.00	2.61
+/- 800 KV HVDC Alipurduar-Agra	0	500	500	0	3.15	0.00	3.15
Sub Total ER	2145	2302			63.68	0.48	63.20
+/- 800 KV HVDC BiswanathChariali-Agra	-700	0	0	700.00	0.00	10.17	-10.17
Sub Total NER	-700	0			0.00	10.17	-10.17
Total IR Exch	4608	6527			210.25	52.55	157.70

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
53.51	0.13	53.63	-9.61	-18.66	7.67	-2.39	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
51.69	113.09	164.77	53.03	104.67	157.70	1.35	-8.41	-7.07

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	-33	-36	0	38	0	1	-0.84

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	23.52	80.65	73.73	2.71	0.17	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)	
50.15	18.02	49.75	11.38	49.94	0.069	0.061	50.03	49.85	26.27

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	404	15:33	401	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	13:02	394	19:24	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	4:00	402	10:09	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	13:00	406	19:45	0.0	0.0	0.0	0.0	0.0
Dadri	400	423	3:04	130	18:24	0.1	0.1	21.7	0.0	21.8
Ballabgarh	400	422	3:59	408	18:55	0.0	0.0	2.2	0.0	2.2
Bawana	400	423	3:01	409	18:40	0.0	0.0	16.0	0.0	16.0
Bassi	400	416	4:00	393	6:25	0.0	0.0	0.0	0.0	0.0
Hissar	400	417	4:00	403	6:23	0.0	0.0	0.0	0.0	0.0
Moga	400	418	7:58	404	14:10	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	423	8:00	410	18:40	0.0	0.0	12.3	0.0	12.3
Nalagarh	400	426	20:30	412	18:38	0.0	0.0	30.9	0.0	30.9
Kishenpur	400	416	2:47	405	15:47	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	8:00	387	16:10	0.0	12.0	0.0	0.0	0.0
Amritsar	400	424	2:59	412	18:39	0.0	0.0	21.6	0.0	21.6
Kashipur	400	402	13:44	402	13:44	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	420	20:31	409	18:38	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	3:05	135	18:20	0.1	0.1	0.0	0.0	0.1

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	23:54	748	6:23	0.0	0.0	0.0	0.0	0.0
Balia	765	782	23:41	753	19:47	0.0	0.0	0.0	0.0	0.0
Moga	765	799	7:59	762	18:54	0.0	0.0	0.0	0.0	0.0
Agra	765	793	7:58	769	6:24	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	800	8:01	779	6:30	0.0	0.0	0.0	0.0	0.0
Unnao	765	768	13:00	747	19:45	0.0	0.0	0.0	0.0	0.0
Lucknow	765	788	13:00	762	19:45	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	13:00	776	6:27	0.0	0.0	2.7	0.0	2.7
Jhatikara	765	800	21:58	780	18:53	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	794	13:01	767	10:08	0.0	0.0	0.0	0.0	0.0
Anta	765	794	4:06	769	6:28	0.0	0.0	0.0	0.0	0.0
Phagi	765	797	4:02	769	6:25	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	484.16	560.76	474.01	334.98	162.20	550.96
Pong	426.72	384.05	400.90	237.89	400.42	230.85	60.60	378.91
Tehri	829.79	740.04	782.70	355.01	780.55	327.38	41.67	203.00
Koteshwar	612.50	598.50	610.48	4.77	610.12	4.60	206.00	203.90
Chamera-I	760.00	748.75	755.12	0.00	0.00	0.00	61.04	53.12
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	495.85	2.14	505.16	2.01	56.85	109.80

* 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	-900	-102	0	-1053	-407	0	-23.23	-9.20	-32.43
Delhi	-643	-744	0	-570	-108	0	-15.55	-5.05	-20.61
Haryana	-489	74	0	-640	6	0	-16.34	0.30	-16.04
HP	436	0	0	479	-78	0	13.71	-2.12	11.59
J&K	596	210	0	575	273	0	13.47	4.48	17.95
CHD	-36	0	0	-36	0	0	-0.43	-0.13	-0.56
Rajasthan	-91	127	0	-91	-447	0	-0.63	-1.77	-2.40
UP	41	-38	0	-1	1876	0	-3.64	10.84	7.19
Uttarakhand	218	36	0	218	437	0	5.35	8.53	13.88
Total	-867	-437	0	-1119	1553	0	-27.30	5.89	-21.41

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-900	-1053	-102	-1221	0	0
Delhi	-567	-703	277	-757	0	0
Haryana	-489	-910	74	-289	0	0
HP	781	356	98	-519	0	0
J&K	596	540	416	-422	0	0
CHD	0	-36	0	-36	0	0
Rajasthan	65	-91	495	-1257	0	0
UP	60	-438	1945	-38	0	0
Uttarakhand	276	218	561	24	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	0	11
Haryana	0	12
Rajasthan	3	25
Delhi	1	14
UP	0	12
Uttarakhand	2	16
HP	2	27
J & K	1	15
Chandigarh	4	35

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 28.02.2018 :****XVI. Synchronisation of new generating units :****XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

First time charging:

1. 220 kV Bus-2 at Kishanganga first time charged at 01.40 Hrs on 01.03.2018.
2. 110 MW unit-1 at Kishanganga first time charged at 03.30 Hrs on 01.03.2018.

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 : 28.02.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER