

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 25.02.2018
Date of Reporting : 26.02.2018



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
38540	581	39121	49.96	32368	203	32571	50.05	859.16	12.88

*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/Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	59.83	7.85	0.00	2.92	0.00	2.77	73.37	30.38	30.47	0.10	103.84	0.00
Haryana	45.46	0.07	0.00	0.13	0.00	1.03	46.69	65.37	65.96	0.59	112.64	0.71
Rajasthan	105.95	4.33	4.32	0.00	21.51	4.93	141.04	58.80	59.62	0.81	200.66	0.00
Delhi	0.01	0.00	12.93	0.00	0.00	0.00	12.94	45.19	45.19	-0.65	58.13	0.03
UP	148.62	6.42	0.00	2.38	0.00	21.60	179.02	104.97	105.07	0.10	284.09	1.88
Uttarakhand	0.00	7.89	0.00	0.74	0.00	0.00	8.63	24.33	23.36	-0.97	31.99	0.00
HP	0.00	2.61	0.00	0.00	0.00	1.46	4.07	19.78	18.54	-1.25	22.60	1.03
J & K	0.00	4.24	0.00	0.00	0.00	0.00	4.24	40.15	38.26	-1.89	42.50	9.24
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.01	2.72	-0.29	2.72	0.00
Total	359.87	33.41	17.25	6.16	21.51	31.78	469.99	392.64	389.18	-3.46	859.16	12.88

* 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	4686	0	-174	-1453	2910	0	-20	-795	4861	20	0
Haryana	5368	0	-36	-925	4022	0	56	-481	6153	7	0
Rajasthan	7606	0	94	-981	8395	0	105	50	10602	8	0
Delhi	2673	0	-212	-859	1644	0	45	-1370	3314	12	0
UP	13378	0	232	1710	11970	0	168	31	13794	20	740
Uttarakhand	1692	0	57	671	1108	0	-85	545	1692	19	0
HP	951	60	-184	421	716	0	-85	395	1320	9	0
J&K	2041	521	75	988	1534	203	-152	836	2065	20	548
Chandigarh	145	0	-32	-35	69	0	-6	-35	173	9	0
Total	38540	581	-180	-464	32368	203	26	-824	40106	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	937	847	20.36	848	20.45	-0.09	
Rihand II STPS (2*500)	1000	943	1011	954	22.36	932	22.19	0.17	
Rihand III STPS (2*500)	1000	943	983	1004	21.23	884	20.78	0.44	
Dadri I STPS (4*210)	840	769	478	434	11.43	476	11.65	-0.22	
Dadri II STPS (2*490)	980	464	399	271	7.69	321	7.63	0.06	
Unchahar I TPS (2*210)	420	275	334	187	5.08	212	5.55	-0.47	
Unchahar II TPS (2*210)	420	382	301	365	7.19	300	7.22	-0.02	
Unchahar III TPS (1*210)	210	191	143	182	3.29	137	3.50	-0.21	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	948	603	837	16.34	681	16.52	-0.18	
Dadri GPS (4*130.19+2*154.51)	830	815	109	116	2.81	117	2.85	-0.04	
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	1	0	0	0.03	1	0.04	0.00	
Singrauli Solar(15)	15	3	0	0	0.06	3	0.06	0.00	
KHEP(4*200)	800	792	866	0	2.55	106	2.38	0.18	
Sub Total (A)	12612	9981	7795	6828	157	6555	157	0.23	
B. NPC	NAPS (2*220)	440	404	435	441	9.66	403	9.67	-0.01
RAPS- B (2*220)	440	393	435	438	9.44	393	9.32	0.12	
RAPS- C (2*220)	440	200	233	232	4.90	204	4.80	0.10	
Sub Total (B)	1320	997	1103	1111	24.00	1000	23.80	0.20	
C. NHPC	Chamera I HPS (3*180)	540	534	549	0	1.72	71	1.60	0.11
Chamera II HPS (3*100)	300	296	303	0	1.77	74	1.15	0.62	
Chamera III HPS (3*77)	231	228	230	0	0.72	30	0.69	0.03	
Bairasuli HPS(3*60)	180	59	122	61	1.31	55	1.18	0.14	
Salal-HPS (6*115)	690	142	410	30	4.05	169	3.40	0.65	
Tanakpur-HPS (3*31.4)	94	17	32	16	0.82	34	0.42	0.40	
Uri-I HPS (4*120)	480	99	269	78	2.70	113	2.38	0.33	
Uri-II HPS (4*60)	240	70	181	60	1.81	76	1.69	0.13	
Dhauliganga-HPS (4*70)	280	277	283	0	0.76	32	0.84	-0.08	
Dulhasti-HPS (3*130)	390	385	406	0	2.51	105	2.30	0.21	
Sewa-II HPS (3*40)	120	119	123	117	2.86	119	2.85	0.00	
Parbati 3 (4*130)	520	16	131	0	0.41	17	0.39	0.02	
Sub Total (C)	4065	2243	3038	362	21	893	19	2.55	
D. SJVNL	NJPC (6*250)	1500	1263	1324	0	5.62	234	5.66	-0.04
Rampur HEP (6*68.67)	412	344	355	0	1.60	67	1.58	0.02	
Sub Total (D)	1912	1607	1679	0	7.22	301	7.24	-0.02	
E. THDC	Tehri HPS (4*250)	1000	820	814	0	7.13	297	7.14	-0.01
Koteswar HPS (4*100)	400	121	399	91	2.93	122	2.91	0.02	
Sub Total (E)	1400	941	1213	91	10.06	419	10.05	0.01	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	665	1188	402	16.08	670	15.96	0.12
Dehar HPS (6*165)	990	107	495	0	2.63	109	2.56	0.06	
Pong HPS (6*66)	396	241	310	62	5.80	242	5.79	0.01	
Sub Total (F)	2765	1013	1993	464	24.51	1021	24.32	0.19	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	0	0	0.33	14	0.32	0.00
Karcham Wantoo HPS(IPP) (4*250)	1000	0	775	0	3.06	128	3.08	-0.02	
Malana Stg-II HPS (2*50)	100	0	0	0	0.16	7	0.15	0.01	
Shree Cement TPS (2*150)	300	0	148	100	2.97	124	3.05	-0.08	
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	0.25	0.25	0.00	0.00	
Sub Total (G)	1762	0	923	100	6.66	278	6.75	-0.08	
H. Total Regional Entities (A-G)	25837	16783	17744	8956	251.20	10467	248.12	3.08	

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	3.52	147	
	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	171	170	3.72	155	
	Goindwal(GVK) (2*270)	540	145	145	3.52	147	
	Rajpura (2*700)	1400	1320	660	25.95	1081	
	Talwandi Saboo (3*660)	1980	924	924	23.11	963	
	Thermal (Total)	6560	2720	2059	59.83	2493	
	Total Hydro	1000	293	225	7.85	327	
	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	3013	2284	73.37	3057	
	Haryana	Paripat TPS (2*210+2*250)	920	0	0	0.00	0
		DCRTPP (Yamuna nagar) (2*300)	600	234	231	5.48	228
		Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
		RGTPP (khedar) (IPP) (2*600)	1200	767	760	18.05	752
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	759	741	21.93	914	
Thermal (Total)		4497	1760	1732	45.46	1894	
Total Hydro		62	3	3	0.07	3	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	1.03	43	
Solar		50	0	0	0.13	5	
Renewable(Total)		156	0	0	1.15	48	
Total Haryana		4715	1763	1735	46.69	1945	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	817	815	20.31	846
	suratgarh TPS (6*250)	1500	697	732	17.19	716	
	Chabra TPS (4*250)	1000	1090	1019	25.16	1048	
	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	170	172	4.32	180	
	RAPS A (NPC) (1*100+1*200)	300	192	191	4.44	185	
	Barsingsar (NLC) (2*125)	250	212	204	4.94	206	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	597	452	16.16	673	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	848	818	22.20	925	
	Kawai(Adani) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	9536	4623	4403	114.71	4780	
	Total Hydro	550	169	120	4.33	180	
	Wind power	4292	425	1454	21.51	896	
	Biomass	102	20	20	0.49	20	
	Solar	1995	0	0	0.00	0	
	Renewable/Others (Total)	6389	445	1474	22.00	917	
	Total Rajasthan	16475	5237	5997	141.04	5877	
UP	Anpara TPS (3*210+2*500)	1630	1344	1339	33.82	1409	
	Obra TPS (2*50+2*94+5*200)	1194	321	303	7.60	317	
	Paricha TPS (2*110+2*220+2*250)	1160	899	686	18.81	784	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqanj TPS (1*60+1*105+2*250)	665	477	440	11.07	461	
	Tanda TPS (NTPC) (4*110)	440	389	399	9.00	375	
	Roza TPS (IPP) (4*300)	1200	987	1006	23.01	959	
	Anpara-C (IPP) (2*600)	1200	1027	1008	24.50	1021	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	452	454	10.88	453	
	Lalitpur TPS(3*660)	1980	0	0	0.00	0	
	Bara(3*660)	1980	403	415	9.93	414	
	Thermal (Total)	13109	6299	6050	148.62	6193	
	Vishnuparvag_HPS (IPP)(4*110)	440	78	63	1.54	64	
	Alakanada(4*82.5)	330	82	0	1.08	45	
	Other Hydro	527	190	155	3.81	159	
	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	2.38	99	
	Renewable(Total)	128	0	0	2.38	99	
	Total UP	15515	7549	7168	179.02	7459	
	Uttarakhand	Other Hydro	1250	444	208	7.89	329
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	0.74	31	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		407	0	0	0.74	31	
Total Uttarakhand	2107	444	208	8.63	360		
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	40	39	0.93	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	265	265	6.37	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	250	5.63	235	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	555	554	12.94	539	
	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	554	12.94	539		

HP	Baspa HPS (IPP) (3*100)	300	0	0	0.76	32	
	Malana HPS (IPP) (2*43)	86	0	0	0.13	6	
	Other Hydro (>25MW)	372	95	34	1.72	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	82	45	1.46	61	
	Renewable(Total)	486	82	45	1.46	61	
	Total HP	1244	177	80	4.07	169	
	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	18951	18185	469.99	19583	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]							
Total Regional Availability(Gross)	78948	41869	33307	881.82	36743		

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9564	917	69.45	2888
State Control Area Hydro	7468	1649	1013	33.41	1484
Total Regional Hydro	19702	11213	1930	102.87	4372

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.11	5
State Control Area Renewable	8844	527	1519	33.41	1392
Total Regional Renewable	8874	527	1519	33.53	1397

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	-100	250	0	2.96	0.00	2.96
765 KV Gwalior-Agra (D/C)	1783	1966	2680	0	47.90	0.00	47.90
400 KV Zerda-Kankroli	-256	-298	0	341	0.00	5.52	-5.52
400 KV Zerda-Bhinmal	-207	-229	17	342	0.00	4.10	-4.10
220 KV Auraja-Malanpur	-116	-113	0	146	0.00	2.70	-2.70
220 KV Badod-Kota/Morak	-76	-111	65	0	0.00	1.27	-1.27
Mundra-Mohindergarh(HVDC Bipole)	498	498	704	0	13.47	0.00	13.47
400 KV RAPPCC-Sujalpur	259	67	321	0	4.47	0.00	4.47
400 KV Vindhychal-Rihand	-876	-952	0	966	0.00	21.40	-21.40
765 kV Phagi-Gwalior (D/C)	819	1029	1295	0	26.00	0.00	26.00
+/- 800 kV HVDC Champa-Kurushetra	1500	2500	2500	0	50.06	0	50.06
Sub Total WR	3228	4257			144.86	34.99	109.87
400 kV Sasaram - Varanasi	133	139	144	0	3.21	0.00	3.21
400 kV Sasaram - Allahabad	59	53	77	0	1.42	0.00	1.42
400 kV MZP- GKP (D/C)	74	66	212	10	2.30	0.00	2.30
400 kV Patna-Balia(D/C) X 2	543	511	715	0	11.16	0.00	11.16
400 kV B'Sharif-Balia (D/C)	83	61	188	0	2.84	0.00	2.84
765 KV Gaya-Balia	242	114	386	0	5.41	0.00	5.41
765 KV Gaya-Varanasi (D/C)	231	116	650	0	5.14	0.00	5.14
220 KV Pusauli-Sahupuri	158	133	159	0	2.73	0.00	2.73
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	23	23	0	27	0.00	0.46	-0.46
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-140	-85	104	142	0.00	0.39	-0.39
400 KV Motihari -GKP (D/C)	238	228	348	0	6.10	0.00	6.10
400 kV B'Sharif - Varanasi (D/C)	2	50	177	63	0.83	0.00	0.83
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1646	1409			41.14	0.84	40.29
+/- 800 KV HVDC BiswanathChariali-Agra	300	500	500	0.00	10.47	0.00	10.47
Sub Total NER	300	500			10.47	0.00	10.47
Total IR Exch	5174	6166			196.47	35.83	160.64

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
54.85	0.13	54.98	-7.69	-18.63	4.68	-3.59	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
51.97	114.92	166.89	50.76	109.87	160.64	-1.21	-5.05	-6.26

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	-13	-16	0	36	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	3.66	46.99	81.53	12.42	2.47	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)	
50.20	18.02	49.84	22.07	50.00	0.027	0.052	50.09	49.90	18.47

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	404	4:37	401	0:00	0.0	0.0	0.0	0.0
Gorakhpur	400	414	1:02	399	18:40	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	3:58	405	18:48	0.0	0.0	0.4	0.0
Kanpur	400	420	1:02	408	18:48	0.0	0.0	0.0	0.0
Dadri	400	427	3:59	412	18:41	0.0	0.0	31.0	0.0
Ballabgarh	400	426	4:02	410	6:35	0.0	0.0	29.0	0.0
Bawana	400	429	4:02	411	18:52	0.0	0.0	40.4	0.0
Bassi	400	422	18:01	398	6:39	0.0	0.0	0.5	0.0
Hissar	400	424	4:00	404	6:43	0.0	0.0	6.0	0.0
Moga	400	422	4:00	408	6:21	0.0	0.0	1.3	0.0
Abdullapur	400	430	3:02	412	6:38	0.0	0.0	61.8	0.0
Nalagarh	400	431	3:00	416	6:30	0.0	0.0	82.8	0.9
Kishenpur	400	420	3:00	406	18:51	0.0	0.0	0.0	0.0
Wagoora	400	404	13:52	389	18:41	0.0	2.0	0.0	0.0
Amritsar	400	429	4:00	414	10:07	0.0	0.0	39.7	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0
Hamirpur	400	424	2:51	414	20:20	0.0	0.0	73.4	0.0
Rishikesh	400	0	0:00	0	0:00	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	
Fatehpur	765	784	1:05	743	18:47	0.0	0.0	0.0	0.0
Balia	765	784	4:00	759	18:48	0.0	0.0	0.0	0.0
Moga	765	799	8:00	768	6:35	0.0	0.0	0.0	0.0
Agra	765	798	4:00	768	18:48	0.0	0.0	0.0	0.0
Bhiwani	765	811	4:01	784	6:26	0.0	0.0	31.8	0.0
Unnao	765	775	4:01	758	9:36	0.0	0.0	0.0	0.0
Lucknow	765	794	4:00	768	18:48	0.0	0.0	0.0	0.0
Meerut	765	811	4:01	779	18:47	0.0	0.0	33.9	0.0
Jhatikara	765	810	4:00	781	6:40	0.0	0.0	29.4	0.0
Bareilly 765 kV	765	802	4:00	773	18:47	0.0	0.0	0.4	0.0
Anta	765	796	4:00	777	6:16	0.0	0.0	0.0	0.0
Phagi	765	806	4:02	774	6:42	0.0	0.0	14.4	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	485.14	593.99	475.06	356.29	168.63	518.51
Pong	426.72	384.05	401.55	252.05	400.98	244.95	45.79	413.06
Tehri	829.79	740.04	784.15	374.02	782.50	352.42	43.37	191.00
Koteshwar	612.50	598.50	610.77	4.95	610.03	4.44	191.00	193.71
Chamera-I	760.00	748.75	754.92	0.00	0.00	0.00	68.31	46.32
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 Saagar	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	495.92	0.00	505.16	1.88	47.83	17.17

* 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	-795	0	0	-947	-506	0	-20.69	-7.27	-27.96
Delhi	-640	-730	0	-565	-294	0	-15.47	-5.98	-21.45
Haryana	-486	5	0	-633	-292	0	-16.16	-0.54	-16.70
HP	395	0	0	437	-16	0	12.76	-1.89	10.86
J&K	579	257	0	579	409	0	13.48	5.62	19.11
CHD	-35	0	0	-35	0	0	-0.43	-0.19	-0.61
Rajasthan	-90	141	0	-90	-891	0	-0.60	-1.51	-2.11
UP	42	-10	0	61	1649	0	-3.09	5.08	1.99
Uttarakhand	219	326	0	219	452	0	5.37	8.45	13.83
Total	-811	-13	0	-974	510	0	-24.82	1.78	-23.05

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-795	-947	0	-1266	0	0
Delhi	-564	-699	308	-735	0	0
Haryana	-486	-892	152	-699	0	0
HP	743	315	108	-580	0	0
J&K	579	545	454	-334	0	0
CHD	0	-35	0	-51	0	0
Rajasthan	67	-90	462	-1269	0	0
UP	61	-372	1649	-10	0	0
Uttarakhand	277	219	547	149	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	7
Haryana	0	10
Rajasthan	1	15
Delhi	5	36
UP	0	10
Uttarakhand	4	48
HP	3	23
J & K	4	42
Chandigarh	4	23

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.02.2018 :

XVI. Synchronisation of new generating units :

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

1. First time charging of 220 KV Kishanganga-Amargarh ckt.1 and ckt.2 at 19:23 hrs and 19:24 hrs. respectively on 25.02.18

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 : 25.02.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER