

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GH188682

Power Supply Position in Northern Region for 26.02.2018
Date of Reporting : 27.02.2018



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
41029	521	41550	49.98	31588	203	31791	50.02	899.42	9.75

*Half hourly (one 15 minutes block-one block each before and after the designated time) average frequency

UI (OD:+(+ve), UD: -(ve))

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	71.88	10.24	0.00	2.92	0.00	2.77	87.81	26.67	27.78	1.11	115.59	0.00
Haryana	49.94	0.09	0.00	0.18	0.00	1.09	51.30	69.03	70.38	1.35	121.68	0.23
Rajasthan	112.58	4.58	4.31	2.80	12.02	5.11	141.40	63.05	64.76	1.71	206.16	0.00
Delhi	0.00	0.00	13.05	0.00	0.00	0.00	13.05	48.73	48.10	-0.62	61.16	0.00
UP	153.09	6.80	0.00	0.00	0.00	21.60	181.49	108.25	107.30	-0.95	288.79	0.00
Uttarakhand	0.00	8.37	0.00	0.75	0.00	0.00	9.11	25.56	25.56	0.00	34.68	0.00
HP	0.00	3.01	0.00	0.00	0.00	1.44	4.44	20.20	20.33	0.13	24.77	0.27
J & K	0.00	4.24	0.00	0.00	0.00	0.00	4.24	40.28	38.93	-1.35	43.17	9.24
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.17	3.43	0.26	3.43	0.00
Total	387.48	37.32	17.37	6.64	12.02	32.01	492.84	404.94	406.58	1.65	899.42	9.75

* 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	5623	0	110	-1613	3136	0	47	-1053	5623	19	0
Haryana	6050	0	-34	-538	3813	0	47	-353	6540	7	0
Rajasthan	8000	0	-82	-78	7838	0	58	-43	10663	8	0
Delhi	2949	0	-193	-639	1590	0	128	-1261	3369	11	0
UP	13234	0	219	1165	11663	0	-13	31	13628	8	0
Uttarakhand	1857	0	102	535	1112	0	-8	491	1908	8	0
HP	1149	0	-53	453	708	0	17	429	1486	8	0
J&K	2006	521	44	897	1657	203	82	706	2017	7	368
Chandigarh	161	0	-26	-36	71	0	-2	-36	235	8	0
Total	41029	521	87	145	31588	203	356	-1088	43599	8	420

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

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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	
										UI
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1677	1845	1834	40.56	1690	40.11	0.45	
	Rihand I STPS (2*500)	1000	870	948	947	20.50	854	20.44	0.05	
	Rihand II STPS (2*500)	1000	943	991	995	22.37	932	22.21	0.16	
	Rihand III STPS (2*500)	1000	943	984	872	22.07	920	21.48	0.60	
	Dadri I STPS (4*210)	840	769	553	428	11.90	496	12.18	-0.29	
	Dadri II STPS (2*490)	980	464	356	278	8.18	341	8.24	-0.06	
	Unchahar I TPS (2*210)	420	382	392	269	7.44	310	7.80	-0.36	
	Unchahar II TPS (2*210)	420	382	393	265	7.27	303	7.27	0.00	
	Unchahar III TPS (1*210)	210	191	167	115	3.21	134	3.36	-0.15	
	Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
	ISTPP (Jhajjar) (3*500)	1500	948	946	579	17.58	733	17.70	-0.12	
	Dadri GPS (4*130.19+2*164.51)	830	815	113	112	2.89	120	2.95	-0.06	
	Anta GPS (3*88.71+1*153.2)	419	416	0	0	0.00	0	0.00	0.00	
	Aurayya 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	0.03	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	0.01	0	0.07	-0.06	
	KHEP(4*200)	800	792	862	2	2.52	105	2.38	0.14	
	Sub Total (A)	12612	10252	8550	6694	167	6940	166	0.30	
	B. NPC	NAPS (2*220)	440	402	436	449	9.76	407	9.63	0.13
		RAPS- B (2*220)	440	393	437	437	9.45	394	9.32	0.13
		RAPS- C (2*220)	440	200	236	232	4.93	206	4.80	0.13
Sub Total (B)		1320	995	1109	1118	24.15	1006	23.75	0.40	
C. NHPC	Chamera I HPS (3*180)	540	534	550	0	1.95	81	1.80	0.15	
	Chamera II HPS (3*100)	300	296	300	0	1.52	63	1.12	0.39	
	Chamera III HPS (3*77)	231	228	232	0	0.73	30	0.69	0.04	
	Bairasuli HPS (3*60)	180	59	122	0	0.91	38	0.78	0.12	
	Saikal-HPS (6*115)	690	118	360	30	3.31	138	2.81	0.51	
	Tanakpur-HPS (3*31.4)	94	19	24	16	0.51	21	0.46	0.05	
	Uri-I HPS (4*120)	480	129	117	42	3.40	142	3.10	0.30	
	Uri-II HPS (4*60)	240	82	78	74	2.08	87	1.97	0.10	
	Dhauliganga-HPS (4*70)	280	277	224	0	0.70	29	0.84	-0.14	
	Dulhasi-HPS (3*130)	390	385	399	0	2.71	113	2.50	0.21	
	Sewa-II HPS (3*40)	120	119	123	0	1.78	74	1.75	0.03	
	Parbati 3 (4*130)	520	8	130	0	0.20	8	0.19	0.01	
	Sub Total (C)	4065	2254	2658	161	20	825	18	1.78	
D.SJVNL	NJPC (6*250)	1500	1263	1258	0	5.84	243	5.90	-0.06	
	Rampur HEP (6*68.67)	412	344	354	0	1.67	69	1.65	0.02	
	Sub Total (D)	1912	1607	1612	0	7.51	313	7.55	-0.04	
E. THDC	Tehri HPS (4*250)	1000	820	817	0	7.39	308	7.40	-0.01	
	Koteswar HPS (4*100)	400	126	401	92	3.09	129	3.02	0.06	
	Sub Total (E)	1400	946	1218	92	10.48	437	10.42	0.05	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	692	1182	404	16.72	697	16.61	0.11	
	Dehar HPS (6*165)	990	118	495	0	3.01	125	2.84	0.17	
	Pong HPS (6*66)	396	245	305	62	6.00	250	5.89	0.10	
	Sub Total (F)	2765	1056	1982	466	25.73	1072	25.34	0.39	
G. IPP(s)/JV(s)	Alain Duhangan HPS(IPP) (2*96)	192	0	0	0	0.30	12	0.28	0.02	
	Karcham Wantoo HPS(IPP) (4*250)	1000	0	785	0	3.18	132	3.08	0.09	
	Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01	
	Shree Cement TPS (2*150)	300	0	146	102	3.11	129	3.22	-0.11	
	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	0.25	0	0.25	0.00	
	Sub Total (G)	1762	0	931	102	6.91	288	6.90	0.02	
H. Total Regional Entities (A-G)	25837	17109	18060	8633	261.12	10880	258.23	2.89		

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)	
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	160	180	3.95	164	
	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	192	170	3.78	157	
	Goindwal(GVK) (2*270)	540	220	145	4.20	175	
	Rajpura (2*700)	1400	1320	660	28.25	1177	
	Talwandi Saboo (3*660)	1980	1550	924	31.69	1321	
	Thermal (Total)	6560	3442	2079	71.88	2995	
	Total Hydro	1000	348	279	10.24	427	
	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	3790	2358	87.81	3659	
	Haryana	Paripat TPS (2*210+2*250)	920	0	0	0.00	0
		DCRTPP (Yamuna nagar) (2*300)	600	245	233	5.85	244
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	758	757	19.36	807	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1175	736	24.73	1030	
Thermal (Total)		4497	2178	1726	49.94	2081	
Total Hydro		62	2	4	0.09	4	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	1.09	46	
Solar		50	0	0	0.18	7	
Renewable(Total)		156	0	0	1.27	53	
Total Haryana		4715	2180	1730	51.30	2137	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	827	821	21.06	877
		suratgarh TPS (6*250)	1500	683	716	17.71	738
	Chabra TPS (4*250)	1000	1146	1026	26.82	1118	
	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	180	4.31	180	
	RAPS A (NPC) (1*100+1*200)	300	191	191	4.45	185	
	Barsingsar (NLC) (2*125)	250	212	212	4.91	205	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	826	434	18.46	769	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	908	810	23.61	984	
	Kawai(Adani) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	9536	4970	4390	121.33	5055	
	Total Hydro	550	164	129	4.58	191	
	Wind power	4292	115	1362	12.02	501	
	Biomass	102	28	28	0.67	28	
	Solar	1995	5	0	2.80	117	
	Renewable/Others (Total)	6389	148	1390	15.48	645	
	Total Rajasthan	16475	5282	5909	141.40	5891	
UP	Anpara TPS (3*210+2*500)	1630	1369	1350	33.70	1404	
	Obra TPS (2*50+2*94+5*200)	1194	145	318	7.10	296	
	Paricha TPS (2*110+2*220+2*250)	1160	896	866	20.30	846	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	529	533	11.60	483	
	Tanda TPS (NTPC) (4*110)	440	397	382	8.89	370	
	Roza TPS (IPP) (4*300)	1200	892	960	20.50	854	
	Anpara-C (IPP) (2*600)	1200	1018	1008	24.50	1021	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	875	533	16.20	675	
	Lalitpur TPS(3*660)	1980	0	0	0.00	0	
	Bara(3*660)	1980	403	451	10.30	429	
	Thermal (Total)	13109	6524	6401	153.09	6379	
	Vishnuparvag_HPS (IPP)(4*110)	440	68	68	1.60	67	
	Alakanada(4*82.5)	330	83	0	1.00	42	
	Other Hydro	527	196	82	4.20	175	
	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	7771	7451	181.49	7562		
Uttarakhand	Other Hydro	1250	549	256	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	0.75	31	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.75	31	
Total Uttarakhand	2107	549	256	9.11	380		
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	41	40	0.92	38	
	Pragati Gas Turbine (2x104+ 1x122)	330	262	265	6.37	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	246	5.76	240	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	552	551	13.05	544	
	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	551	13.05	544		

HP	Baspa HPS (IPP) (3*100)	300	0	38	1.11	46	
	Malana HPS (IPP) (2*43)	86	0	0	0.18	7	
	Other Hydro (>25MW)	372	90	40	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	101	34	1.44	60	
	Renewable(Total)	486	101	34	1.44	60	
	Total HP	1244	192	112	4.44	185	
	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	20529	18526	492.84	20535	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]							
Total Regional Availability(Gross)	78948	43726	32893	919.64	38318		

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9117	719	69.83	2904
State Control Area Hydro	7468	1815	1089	37.32	1646
Total Regional Hydro	19702	10932	1808	107.14	4549

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.08	4
State Control Area Renewable	8844	249	1424	24.63	1026
Total Regional Renewable	8874	249	1424	24.71	1030

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	-250	0	250	0.00	4.96	-4.96
765 KV Gwalior-Agra (D/C)	1697	1754	2544	0	46.30	0.00	46.30
400 KV Zerda-Kankroli	-284	-306	0	326	0.00	5.71	-5.71
400 KV Zerda-Bhimmal	-189	-284	0	318	0.00	3.94	-3.94
220 KV Auraja-Malanpur	-111	-106	0	158	0.00	2.60	-2.60
220 KV Badod-Kota/Morak	-129	-93	28	129	0.00	1.17	-1.17
Mundra-Mohindergarh(HVDC Bipole)	699	698	1003	0	17.14	0.00	17.14
400 KV RAPPCC-Sujalpur	254	65	340	0	4.50	0.00	4.50
400 KV Vindhychal-Rihand	-955	-860	0	976	0.00	22.21	-22.21
765 kV Phagi-Gwalior (D/C)	869	944	1286	0	25.75	0.00	25.75
+/- 800 kV HVDC Champa-Kurushetra	1500	2500	2500	0	54.17	0	54.17
Sub Total WR	3101	4062			147.85	40.59	107.26
400 kV Sasaram - Varanasi	135	171	171	0	3.25	0.00	3.25
400 kV Sasaram - Allahabad	60	72	72	0	1.55	0.00	1.55
400 kV MZP- GKP (D/C)	107	49	317	0	3.51	0.00	3.51
400 kV Patna-Balia(D/C) X 2	573	462	819	0	15.23	0.00	15.23
400 kV B'Sharif-Balia (D/C)	113	60	247	0	3.47	0.00	3.47
765 KV Gaya-Balia	302	176	319	0	5.88	0.00	5.88
765 KV Gaya-Varanasi (D/C)	188	129	383	0	5.77	0.00	5.77
220 KV Pusauli-Sahupuri	163	132	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	-16	-31	0	23	0.00	0.33	-0.33
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-72	-121	158	121	0.00	0.28	-0.28
400 KV Motihari -GKP (D/C)	92	112	286	0	6.30	0.00	6.30
400 kV B'Sharif - Varanasi (D/C)	-9	61	192	61	1.21	0.00	1.21
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1636	1272			49.50	0.61	48.88
+/- 800 KV HVDC BiswanathChariali-Agra	400	400	500	0.00	9.54	0.00	9.54
Sub Total NER	400	400			9.54	0.00	9.54
Total IR Exch	5137	5734			206.88	41.20	165.68

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
56.37	0.13	56.50	-9.63	-18.66	4.49	-3.05	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
51.37	122.02	173.39	58.42	107.26	165.68	7.05	-14.76	-7.71

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	18	13	0	18	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	2.94	55.17	84.75	11.08	1.83	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)		
50.18	6.02	49.83	22.08	49.99	0.025	0.050	50.08	49.92	15.25

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	403	12:18	401	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	4:01	398	19:19	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	3:59	398	17:44	0.0	0.0	0.0	0.0	0.0
Kanpur	400	421	13:02	408	6:27	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	2:58	409	10:06	0.0	0.0	22.9	0.0	22.9
Ballabgarh	400	426	3:59	407	10:09	0.0	0.0	23.1	0.0	23.1
Bawana	400	428	4:00	409	10:07	0.0	0.0	24.9	0.0	24.9
Bassi	400	421	4:01	396	6:24	0.0	0.0	0.1	0.0	0.1
Hissar	400	423	4:00	402	6:22	0.0	0.0	3.3	0.0	3.3
Moga	400	420	2:55	403	6:25	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	2:19	408	6:42	0.0	0.0	26.1	0.0	26.1
Nalagarh	400	431	2:18	411	11:35	0.0	0.0	37.3	2.0	37.3
Kishenpur	400	419	4:01	404	11:20	0.0	0.0	0.0	0.0	0.0
Wagoora	400	399	3:18	385	11:49	0.0	22.6	0.0	0.0	0.0
Amritsar	400	429	3:00	410	11:34	0.0	0.0	31.1	0.0	31.1
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	20:26	409	22:10	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	0	0:00	0	0:00	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	786	13:03	743	6:40	0.0	0.0	0.0	0.0	0.0
Balia	765	783	13:01	757	19:46	0.0	0.0	0.0	0.0	0.0
Moga	765	798	20:58	761	6:24	0.0	0.0	0.0	0.0	0.0
Agra	765	801	13:01	766	6:25	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	810	4:01	779	6:20	0.0	0.0	23.7	0.0	23.7
Unnao	765	772	13:01	751	19:19	0.0	0.0	0.0	0.0	0.0
Lucknow	765	792	4:01	766	19:19	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	13:00	776	6:17	0.0	0.0	17.0	0.0	17.0
Jhatikara	765	811	4:01	777	6:25	0.0	0.0	23.1	0.0	23.1
Bareilly 765 kV	765	799	13:02	770	9:22	0.0	0.0	0.0	0.0	0.0
Anta	765	796	13:05	769	6:25	0.0	0.0	0.0	0.0	0.0
Phagi	765	803	4:00	771	6:23	0.0	0.0	4.0	0.0	4.0

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	484.83	585.65	474.71	345.61	173.36	537.37
Pong	426.72	384.05	401.32	252.05	400.80	237.89	52.56	424.75
Tehri	829.79	740.04	783.70	368.06	781.75	342.73	39.26	199.00
Koteshwar	612.50	598.50	610.62	4.90	609.19	4.18	199.00	203.93
Chamera-I	760.00	748.75	755.04	0.00	0.00	0.00	63.04	52.49
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	496.01	1.44	505.17	1.92	55.33	0.00

* 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	-153	0	-1053	-660	0	-23.23	-11.68	-34.92
Delhi	-643	-618	0	-568	-71	0	-15.55	-4.36	-19.91
Haryana	-489	135	0	-636	98	0	-16.32	-1.17	-17.49
HP	436	-7	0	477	-24	0	13.71	-2.18	11.54
J&K	575	132	0	575	322	0	13.38	4.71	18.09
CHD	-36	0	0	-36	0	0	-0.43	-0.13	-0.55
Rajasthan	-91	49	0	-91	13	0	-0.63	0.65	0.02
UP	41	-10	0	-5	1170	0	-3.68	7.73	4.05
Uttarakhand	218	273	0	218	317	0	5.35	8.43	13.78
Total	-889	-199	0	-1119	1264	0	-27.41	2.00	-25.41

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-900	-1053	-153	-1476	0	0
Delhi	-567	-703	302	-671	0	0
Haryana	-489	-912	137	-576	0	0
HP	781	356	73	-670	0	0
J&K	575	540	440	-391	0	0
CHD	0	-36	0	-36	0	0
Rajasthan	65	-91	493	-753	0	0
UP	60	-438	1626	-10	0	0
Uttarakhand	276	218	604	15	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	21
Haryana	1	17
Rajasthan	3	16
Delhi	4	27
UP	0	8
Uttarakhand	5	32
HP	2	21
J & K	4	28
Chandigarh	4	37

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 26.02.2018 :****XVI. Synchronisation of new generating units :****XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

1. 315 MVA ICT-1 at Babai,Raj first time charged on load at 19:06 hrs. on 26.02.18.

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 : 26.02.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER