

पाँवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.03.2018
Date of Reporting : 02.03.2018



I. Regional Availability/Demand:

Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
40934	521	41455	50.00	33784	203	33988	49.96	920.85	13.12

* 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)							UI (OD: +ve), UD: -ve))				
	Thermal	Hydro	Gas/Naphtha/ Diesel	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total	Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages * (MU)
Punjab	76.38	10.33	0.00	2.92	0.00	2.77	92.40	29.21	28.94	-0.28	121.34	0.00
Haryana	55.92	0.14	0.00	0.12	0.00	1.15	57.34	64.92	66.48	1.56	123.81	0.31
Rajasthan	119.90	3.95	4.24	2.74	5.60	5.03	141.47	58.82	62.19	3.37	203.66	3.56
Delhi	0.00	0.00	13.47	0.00	0.00	0.00	13.47	47.28	46.13	-1.15	59.60	0.01
UP	164.18	7.27	0.00	2.38	0.00	21.60	195.43	112.04	112.26	0.22	307.69	0.00
Uttarakhand	0.00	7.27	0.00	0.62	0.00	0.00	7.89	24.92	25.35	0.43	33.24	0.00
HP	0.00	2.73	0.00	0.00	0.00	2.24	4.97	19.93	20.84	0.91	25.81	0.00
J & K	0.00	4.24	0.00	0.00	0.00	0.00	4.24	39.00	38.49	-0.51	42.72	9.24
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.97	2.99	0.02	2.99	0.00
Total	416.39	35.92	17.71	8.78	5.60	32.80	517.19	399.08	403.65	4.57	920.85	13.12

* 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				UI (OA/PX (OD/Import: +ve), UD/Export: -ve)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)
Punjab	5247	0	-211	-1265	4000	0	-37	-1061	5434	9
Haryana	5895	0	-77	-475	4528	0	-19	-304	6399	7
Rajasthan	7588	0	-187	-957	8291	0	5	58	9979	8
Delhi	2501	0	-249	-652	1705	0	25	-1037	3441	12
UP	14911	0	808	1284	11585	0	-88	29	14911	19
Uttarakhand	1535	0	-4	606	1176	0	3	502	1867	8
HP	1122	0	-125	235	847	0	6	349	1420	8
J&K	1975	521	10	848	1579	203	0	686	1984	20
Chandigarh	160	0	0	-46	74	0	10	-46	179	9
Total	40934	521	-35	-422	33784	203	-95	-823	42255	8

* 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	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
	(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Generation(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1680	1835	1857	41.28	1720	40.25
	Rihand I STPS (2*500)	1000	870	936	937	20.90	871	20.78
	Rihand II STPS (2*500)	1000	943	1008	1032	22.72	947	22.54
	Rihand III STPS (2*500)	1000	943	1000	1013	22.71	946	22.40
	Dadri I STPS (4*210)	840	769	532	763	12.47	520	13.95
	Dadri II STPS (2*490)	980	464	321	474	8.58	358	8.87
	Unchahar I TPS (2*210)	420	382	376	357	8.32	347	8.88
	Unchahar II TPS (2*210)	420	382	350	354	8.34	348	8.58
	Unchahar III TPS (1*210)	210	191	186	168	4.11	171	4.31
	Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00
	ISTPP (Jhajjar) (3*500)	1500	948	968	972	21.60	900	19.92
	Dadri GPS (4*130.19+2*154.51)	830	815	169	137	3.65	152	3.72
	Anta GPS (3*88.71+1*153.2)	419	409	0	0	0.00	0	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	655	0	0	0.00	0	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.06
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07
	KHEP(4*200)	800	792	835	196	2.59	108	2.38
	Sub Total (A)	12612	10248	8516	8260	177	7393	177
	Sub Total (B)	1320	998	1102	1121	24.02	1001	23.82
B. NPC	NAPS (2*220)	440	405	439	447	9.74	406	9.70
	RAPS- B (2*220)	440	393	433	437	9.42	392	9.32
	RAPS- C (2*220)	440	200	230	237	4.86	203	4.80
	Sub Total (C)	1320	998	1102	1121	24.02	1001	23.82
C. NHPC	Chamera I HPS (3*180)	540	534	546	0	1.96	82	1.80
	Chamera II HPS (3*100)	300	296	302	0	1.16	48	1.05
	Chamera III HPS (3*77)	231	228	234	0	0.74	31	0.69
	Bairasuli HPS(3*60)	180	59	121	0	0.88	37	0.59
	Salal-HPS (6*115)	690	99	457	90	3.28	137	2.37
	Tanakpur-HPS (3*31.4)	94	17	33	19	0.50	21	0.41
	Uri-I HPS (4*120)	480	128	310	80	3.34	139	3.02
	Uri-II HPS (4*60)	240	80	177	76	2.03	84	1.92
	Dhauliganga-HPS (4*70)	280	277	287	0	0.75	31	0.84
	Dulhasti-HPS (3*130)	390	385	388	0	2.41	100	2.20
	Sewa-II HPS (3*40)	120	119	122	123	2.86	119	2.85
	Parbati 3 (4*130)	520	8	132	0	0.20	8	0.19
	Sub Total (C)	4065	2229	3110	389	20	837	18
	Sub Total (D)	1912	1719	1805	0	8.36	348	8.12
D. SJVNL	NJPC (6*250)	1500	1375	1433	0	6.52	272	6.39
	Rampur HEP (6*68.67)	412	344	372	0	1.84	77	1.73
E. THDC	Sub Total (D)	1912	1719	1805	0	8.36	348	8.12
	Tehri HPS (4*250)	1000	806	805	0	7.43	310	7.42
	Koteswar HPS (4*100)	400	126	402	91	3.10	129	3.03
	Sub Total (E)	1400	932	1207	91	10.53	439	10.45
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	702	1202	425	17.04	710	16.85
	Dehar HPS (6*165)	990	122	495	0	3.05	127	2.92
	Pong HPS (6*66)	396	208	300	0	5.06	211	5.00
	Sub Total (F)	2765	1032	1997	425	25.15	1048	24.77
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	0	0	0.34	14	0.33
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	775	0	3.31	138	3.32
	Malana Stg-II HPS (2*50)	100	0	0	0	0.17	7	0.17
	Shree Cement TPS (2*150)	300	0	148	145	3.54	147	3.86
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.16	7	0.14
	Sainj HPS (IPP) (2*50)	100	0	0	0	0.27	0	0.27
	Sub Total (G)	1762	0	923	145	7.52	313	7.81
	Sub Total (H)	25837	17159	18660	10431	273.09	11379	269.62
H. Total Regional Entities (A-G)		25837	17159	18660	10431	273.09	11379	269.62

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	0	160	3.17	132
	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	362	394	9.27	386
	Goindwal(GVK) (2*270)	540	246	145	4.64	193
	Rajpura (2*700)	1400	1320	1320	31.63	1318
	Talwandi Saboo (3*660)	1980	1228	816	27.69	1154
	Thermal (Total)	6560	3155	2835	76.38	3183
	Total Hydro	1000	343	243	10.33	430
	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	3498	3078	92.40	3850
Haryana	Panipat TPS (2*210+2*250)	920	410	405	10.62	442
	DCRTPP (Yamuna nagar) (2*300)	600	242	230	6.07	253
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	495	389	11.67	486
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1166	1175	27.57	1149
	Thermal (Total)	4497	2313	2199	55.92	2330
	Total Hydro	62	6	6	0.14	6
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	1.15	48
	Solar	50	0	0	0.12	5
	Renewable(Total)	156	0	0	1.27	53
	Total Haryana	4715	2319	2205	57.34	2389
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	646	726	18.25	760
	suratgarh TPS (6*250)	1500	708	694	19.67	819
	Chabra TPS (4*250)	1000	1206	1239	28.83	1201
	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	171	178	4.24	177
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.43	185
	Barsingar (NLC) (2*125)	250	209	212	4.52	188
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	927	952	23.12	963
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1100	1125	25.52	1063
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	9536	5157	5316	128.57	5357
	Total Hydro	550	113	128	3.95	164
	Wind power	4292	359	310	5.60	234
	Biomass	102	25	25	0.60	25
	Solar	1995	0	0	2.74	114
	Renewable/Others (Total)	6389	384	335	8.95	373
	Total Rajasthan	16475	5654	5779	141.47	5895
UP	Anpara TPS (3*210+2*500)	1630	1340	1336	34.01	1417
	Obra TPS (2*50+2*94+5*200)	1194	424	414	9.94	414
	Paricha TPS (2*110+2*220+2*250)	1160	897	902	21.46	894
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	543	536	12.84	535
	Tanda TPS (NTPC) (4*110)	440	380	390	9.24	385
	Roza TPS (IPP) (4*300)	1200	946	996	22.86	952
	Anpara-C (IPP) (2*600)	1200	999	1018	24.34	1014
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	908	905	21.63	901
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(3*660)	1980	426	0	7.86	328
	Thermal (Total)	13109	6863	6497	164.18	6841
	Vishnuparyag_HPS (IPP)(4*110)	440	63	57	1.46	61
	Alaknanda(4*82.5)	330	82	0	1.03	43
	Other Hydro	527	225	149	4.79	199
	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	8133	7603	195.43	8143
Uttarakhand	Other Hydro	1250	427	191	7.27	303
	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	0.62	26
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.62	26
	Total Uttarakhand	2107	427	191	7.89	329
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	250	249	0.91	38
	Pragati Gas Turbine (2x104+ 1x122)	330	39	40	6.60	275
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	248	5.96	248
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	539	537	13.47	561
	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	539	537	13.47	561

HP	Baspa HPS (IPP) (3*100)	300	0	0	0.92	39
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro (>25MW)	372	94	12	1.58	66
	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	156	60	2.24	93
	Renewable(Total)	486	156	60	2.24	93
	Total HP	1244	250	72	4.97	207
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	21033	19624	517.19	21550
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			5061	7180	149.70	6238
Total Regional Availability(Gross)		78948	44754	37235	939.99	39166

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	9729	1100	70.71	2939
State Control Area Hydro		7468	1722	1005	35.92	1616
Total Regional Hydro		19702	11451	2105	106.63	4555

V. Total Renewable Generation:						
Regional Entities Renewable		30	0	0	0.14	6
State Control Area Renewable		8844	540	395	21.15	881
Total Regional Renewable		8874	540	395	21.29	887

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)	-250	-100	150	250	0.47	3.31	-2.84
765 KV Gwalior-Agra (D/C)	1919	2017	2598	0	48.91	0.00	48.91
400 KV Zerdar-Kankroli	-269	-259	0	307	0.00	5.48	-5.48
400 KV Zerdar-Bhinmal	-252	-207	2	276	0.00	4.06	-4.06
220 KV Auraiya-Malanpur	-101	-123	0	166	0.00	2.85	-2.85
220 KV Badod-Kota/Morak	-118	-86	19	129	0.00	1.53	-1.53
Mundra-Mohindergarh(HVDC Bipole)	603	598	605	0	14.46	0.00	14.46
400 KV RAPPC-Sujalpur	133	230	375	0	5.16	0.00	5.16
400 KV Vindhyachal-Rihand	-964	-966	0	968	0.00	22.96	-22.96
765 kV Phagi-Gwalior (D/C)	625	950	1234	0	24.08	0.00	24.08
+/- 800 kV HVDC Champa-Kurushetra	1500	2300	2500	0	43.95	0	43.95
Sub Total WR	2826	4354			137.03	40.18	96.84
400 kV Sasaram - Varanasi	143	123	143	0	2.98	0.00	2.98
400 kV Sasaram - Allahabad	51	70	91	0	1.69	0.00	1.69
400 KV MZP- GKP (D/C)	145	272	488	0	7.09	0.00	7.09
400 KV Patna-Balia(D/C) X 2	693	853	1056	0	20.51	0.00	20.51
400 KV B'Sharif-Balia (D/C)	140	214	299	0	5.49	0.00	5.49
765 KV Gaya-Balia	161	219	316	0	5.65	0.00	5.65
765 KV Gaya-Varanasi (D/C)	101	231	388	0	6.04	0.00	6.04
220 KV Pusauli-Sahupuri	139	119	139	0	2.90	0.00	2.90
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-22	-24	0	26	0.00	0.50	-0.50
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-90	47	191	90	1.71	0.00	1.71
400 KV Motihari -GKP (D/C)	266	310	390	0	7.38	0.00	7.38
400 kV B'Sharif - Varanasi (D/C)	8	-108	243	8	2.88	0.00	2.88
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1735	2326			65.28	0.50	64.78
+/- 800 KV HVDC BiswanathChariali-Agra	500	500	0	500.00	0.00	11.92	-11.92
Sub Total NER	500	500			0.00	11.92	-11.92
Total IR Exch	5061	7180			202.30	52.60	149.70

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
53.70	0.13	53.83	-9.50	-21.24	5.72	0.67	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
50.05	106.54	156.58	52.86	96.84	149.70	2.81	-9.69	-6.88

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	-35	-35	0	40	0	1	-0.85	

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	0.23	12.93	72.74	81.28	5.39	0.42	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	18.02	49.77	6.44	49.96	0.045	0.057	50.06	49.85	18.72

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	0:28	400	23:11	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	4:06	396	19:35	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	4:03	402	9:37	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	4:03	406	18:57	0.0	0.0	0.0	0.0	0.0
Dadri	400	424	3:07	412	9:35	0.0	0.0	22.9	0.0	22.9
Ballabgarh	400	424	4:03	408	11:08	0.0	0.0	18.0	0.0	18.0
Bawana	400	424	17:06	410	7:16	0.0	0.0	20.0	0.0	20.0
Bassi	400	417	18:01	398	6:10	0.0	0.0	0.0	0.0	0.0
Hissar	400	420	17:06	402	6:44	0.0	0.0	0.0	0.0	0.0
Moga	400	419	17:01	404	6:23	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	426	17:06	409	6:43	0.0	0.0	10.0	0.0	10.0
Nalagarh	400	427	17:02	412	18:59	0.0	0.0	38.2	0.0	38.2
Kishenpur	400	418	16:52	407	19:09	0.0	0.0	0.0	0.0	0.0
Wagoora	400	402	16:55	388	18:52	0.0	3.1	0.0	0.0	0.0
Amritsar	400	424	17:02	412	6:44	0.0	0.0	9.8	0.0	9.8
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	20:47	410	7:43	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	3:08	396	9:35	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	785	8:00	741	19:35	0.0	0.0	0.0	0.0	0.0
Balia	765	786	4:28	755	19:34	0.0	0.0	0.0	0.0	0.0
Moga	765	801	17:01	762	6:43	0.0	0.0	0.3	0.0	0.3
Agra	765	796	8:00	766	22:12	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	17:01	780	6:45	0.0	0.0	2.8	0.0	2.8
Unnao	765	769	4:03	748	9:34	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	4:02	763	19:34	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	17:06	777	18:50	0.0	0.0	9.8	0.0	9.8
Jhatikara	765	805	17:01	780	11:08	0.0	0.0	9.6	0.0	9.6
Bareilly 765 kV	765	794	4:02	767	9:35	0.0	0.0	0.0	0.0	0.0
Anta	765	791	4:00	771	22:37	0.0	0.0	0.0	0.0	0.0
Phagi	765	799	4:03	775	6:10	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	483.84	552.50	473.59	329.69	157.84	525.39
Pong	426.72	384.05	400.71	237.89	400.22	223.85	51.34	359.85
Tehri	829.79	740.04	782.20	348.53	779.95	319.79	41.54	202.00
Koteshwar	612.50	598.50	610.42	5.20	609.83	4.46	202.00	204.47
Chamera-I	760.00	748.75	755.18	0.00	0.00	0.00	55.44	52.80
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	495.81	1.53	505.16	1.87	56.85	87.31

* 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	-1061	0	0	-1214	-51	0	-26.39	-3.76	-30.15
Delhi	-627	-410	0	-563	-89	0	-15.31	-3.18	-18.49
Haryana	-372	68	0	-480	5	0	-12.38	0.91	-11.47
HP	310	39	0	324	-89	0	10.16	-1.58	8.58
J&K	511	175	0	511	337	0	11.73	4.66	16.40
CHD	-46	0	0	-46	0	0	-0.55	-0.15	-0.70
Rajasthan	-48	107	0	-48	-909	0	-1.16	-4.81	-5.98
UP	29	0	0	29	1255	0	0.70	6.74	7.44
Uttarakhand	195	308	0	195	412	0	4.78	7.98	12.76
Total	-1110	287	0	-1293	871	0	-28.42	6.82	-21.60

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1061	-1214	0	-712	0	0
Delhi	-561	-701	397	-476	0	0
Haryana	-372	-710	353	5	0	0
HP	606	240	87	-559	0	0
J&K	511	467	415	-371	0	0
CHD	0	-46	0	-41	0	0
Rajasthan	-48	-48	954	-1524	0	0
UP	29	29	1767	0	0	0
Uttarakhand	252	195	535	4	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	8
Haryana	2	15
Rajasthan	4	34
Delhi	4	40
UP	0	10
Uttarakhand	5	44
HP	5	37
J & K	3	19
Chandigarh	4	22

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.03.2018 :

XVI. Synchronisation of new generating units :

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

First time charging:
500 MVA ICT-2 (Replacement of 315 MVA ICT -2) at 400 kV Muradnagar (UP) first time charged on NO- Load from 400 kV side at 16.32 hrs on 01.03.18.

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 : 01.03.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER