

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 31.03.2018

Date of Reporting : 01.04.2018



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
39729	834	40563	50.00	33528	268	33796	50.02	849.60	9.47

*Half hourly (over 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/Diesel	Solar	Wind	Other (Biomass/Small hydro/Co-Generation etc.)	Total					
Punjab	73.58	2.24	0.00	3.24	0.00	2.90	81.95	34.63	35.08	0.45	117.03	0.00
Haryana	62.97	0.30	4.35	0.17	0.00	1.23	69.01	45.21	46.82	1.61	115.83	0.00
Rajasthan	108.88	0.31	3.90	0.00	12.42	4.91	130.41	44.21	44.52	0.31	174.94	0.00
Delhi	0.00	0.00	15.42	0.00	0.00	0.00	15.42	60.37	58.32	-2.04	73.75	0.00
UP	137.10	4.16	0.00	2.70	0.00	21.60	165.56	95.05	96.74	1.69	262.30	0.00
Uttarakhand	0.00	6.65	0.00	0.79	0.00	0.00	7.45	28.78	28.77	-0.01	36.22	0.00
HP	0.00	3.00	0.00	0.00	0.00	2.90	5.90	19.95	20.10	0.15	26.00	0.00
J & K	0.00	4.89	0.00	0.00	0.00	0.00	4.89	37.56	35.25	-2.31	40.14	9.47
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.18	3.40	0.22	3.40	0.00
Total	382.53	21.55	23.67	6.90	12.42	33.54	480.59	368.94	369.01	0.07	849.60	9.47

* 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	5046	0	74	-1269	4409	0	21	-1118	5531	8	0
Haryana	5641	0	112	-555	4670	0	199	-598	6158	20	0
Rajasthan	6662	0	-288	-371	7479	0	47	-390	8655	8	0
Delhi	3388	0	-72	-710	2689	0	-19	-623	3564	20	0
UP	14246	395	691	14	10565	0	-10	51	14246	19	395
Uttarakhand	1730	0	64	727	1208	0	5	660	1865	10	0
HP	1083	0	70	-33	888	0	12	354	1396	8	0
J&K	1755	439	-93	605	1520	268	-125	600	1923	7	481
Chandigarh	177	0	-10	-45	100	0	8	-31	177	19	0
Total	39729	834	549	-1638	33528	268	138	-1095	40365	20	1093

* 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	450	446	495	10.56	440	10.62	-0.07	
Rihand II STPS (2*500)	1000	943	1003	1011	22.00	917	22.15	-0.15	
Rihand III STPS (2*500)	1000	943	964	995	21.07	878	20.54	0.53	
Dadri I STPS (4*210)	840	769	578	450	11.50	479	12.08	-0.58	
Dadri II STPS (2*490)	980	928	730	615	15.35	640	16.42	-1.07	
Unchahar I TPS (2*210)	420	382	233	230	5.65	235	5.93	-0.28	
Unchahar II TPS (2*210)	420	382	244	233	5.64	235	5.90	-0.26	
Unchahar III TPS (1*210)	210	191	117	116	2.75	115	2.91	-0.16	
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	950	884	870	19.48	812	19.14	0.34	
Dadri GPS (4*130.19+2*154.51)	830	805	166	114	2.81	117	2.84	-0.03	
Anta GPS (3*88.71+1*153.2)	419	404	0	0	0.00	0	0.00	0.00	
Auraya GPS (4*111.19+2*109.30)	663	646	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	0.07	3	0.06	0.00	
KHEP(4*200)	800	792	861	0	2.26	94	2.38	-0.11	
Sub Total (A)	12612	9215	7015	5835	136	5652	135	0.15	
B. NPC	NAPS (2*220)	440	393	429	441	9.49	395	9.43	0.06
RAPS- B (2*220)	440	388	427	435	9.27	386	9.21	0.06	
RAPS- C (2*220)	440	400	448	360	8.86	369	9.60	-0.74	
Sub Total (B)	1320	1181	1304	1236	27.62	1151	28.24	-0.62	
C. NHPC	Chamera I HPS (3*180)	540	534	540	0	2.24	93	2.20	0.04
Chamera II HPS (3*100)	300	296	298	0	1.98	83	1.90	0.08	
Chamera III HPS (3*77)	231	228	234	0	1.26	53	1.25	0.01	
Bairasuli HPS(3*60)	180	59	181	0	1.16	49	1.14	0.02	
Salal-HPS (6*115)	690	109	530	35	3.21	134	2.56	0.65	
Tanakpur-HPS (3*31.4)	94	17	16	15	0.45	19	0.40	0.05	
Uri-I HPS (4*120)	480	245	354	247	6.33	264	5.88	0.45	
Uri-II HPS (4*60)	240	149	182	113	3.65	152	3.57	0.08	
Dhauliganga-HPS (4*70)	280	207	209	0	1.49	62	1.45	0.04	
Dulhasti-HPS (3*130)	390	385	403	0	3.15	131	3.00	0.15	
Sewa-II HPS (3*40)	120	119	119	0	1.23	51	1.25	-0.02	
Parbati 3 (4*130)	520	16	129	0	0.40	17	0.39	0.01	
Sub Total (C)	4065	2364	3195	410	27	1106	25	1.57	
D.SJVNL	NJPC (6*250)	1500	1497	1416	0	6.97	290	7.00	-0.03
Rampur HEP (6*68.67)	412	412	387	0	1.97	82	1.94	0.02	
Sub Total (D)	1912	1910	1803	0	8.93	372	8.95	-0.01	
E. THDC	Tehri HPS (4*250)	1000	533	533	0	6.19	258	6.35	-0.16
Koteswar HPS (4*100)	400	118	298	92	2.74	114	2.84	-0.09	
Sub Total (E)	1400	651	831	92	8.94	372	9.19	-0.25	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	474	992	403	11.41	476	11.38	0.03
Dehar HPS (6*165)	990	137	495	0	3.41	142	3.28	0.13	
Pong HPS (6*66)	396	16	104	0	0.39	16	0.40	-0.01	
Sub Total (F)	2765	627	1591	403	15.20	633	15.06	0.14	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	36	0	0.46	19	0.44	0.02
Karcham Wantoo HPS(IPP) (4*250)	1000	0	775	0	3.61	150	3.79	-0.19	
Malana Stg-II HPS (2*50)	100	0	0	0	0.23	9	0.21	0.01	
Shree Cement TPS (2*150)	300	0	105	258	4.61	192	5.65	-1.04	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.21	-0.21	
Sainj HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.35	0.00	
Sub Total (G)	1762	0	916	258	8.90	371	10.30	-1.40	
H. Total Regional Entities (A-G)	25837	15948	16655	8235	231.79	9658	232.22	-0.42	

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	580	720	13.39	558	
	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	455	463	9.48	395	
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1	
	Rajpura (2*700)	1400	660	660	17.58	732	
	Talwandi Saboo (3*660)	1980	1500	1500	33.18	1382	
	Thermal (Total)	6560	3195	3343	73.58	3066	
	Total Hydro	1000	142	53	2.24	93	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	2.90	121	
	Solar	859	0	0	3.24	135	
	Renewable(Total)	1162	0	0	6.13	256	
	Total Punjab	8722	3337	3396	81.95	3415	
	Haryana	Paripat TPS (2*210+2*250)	920	376	589	12.38	516
		DCRTPP (Yamuna nagar) (2*300)	600	250	248	6.13	255
Faridabad GPS (NTPC)(2*137.75+1*156)		432	185	187	4.35	181	
RGTPP (kheadar) (IPP) (2*600)		1200	1020	778	22.86	953	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	837	988	21.60	900	
Thermal (Total)		4497	2668	2790	67.31	2805	
Total Hydro		62	8	11	0.30	12	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	1.23	51	
Solar		50	0	0	0.17	7	
Renewable(Total)		156	0	0	1.40	58	
Total Haryana		4715	2676	2801	69.01	2875	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	759	712	17.51	730
		suratgarh TPS (6*250)	1500	961	875	21.75	906
	Chabra TPS (4*250)	1000	1228	1145	26.55	1106	
	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	143	141	3.90	162	
	RAPS A (NPC) (1*100+1*200)	300	184	184	4.28	178	
	Barsingsar (NLC) (2*125)	250	90	91	1.90	79	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	783	723	16.66	694	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	545	395	11.52	480	
	Kawai(Adani) (2*660)	1320	550	563	12.98	541	
	Thermal (Total)	9536	5243	4829	117.05	4877	
	Total Hydro	550	19	17	0.31	13	
	Wind power	4292	42	949	12.42	517	
	Biomass	102	26	26	0.63	26	
	Solar	1995	0	0	0.00	0	
	Renewable/Others (Total)	6389	68	975	13.05	544	
	Total Rajasthan	16475	5330	5821	130.41	5434	
UP	Anpara TPS (3*210+2*500)	1630	934	1353	26.00	1083	
	Obra TPS (2*50+2*94+5*200)	1194	307	293	2.88	120	
	Paricha TPS (2*110+2*220+2*250)	1160	789	520	14.76	615	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	436	258	7.93	330	
	Tanda TPS (NTPC) (4*110)	440	365	217	6.29	262	
	Roza TPS (IPP) (4*300)	1200	560	436	10.80	450	
	Anpara-C (IPP) (2*600)	1200	1078	634	20.35	848	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	89	0	1.53	64	
	Anpara-D(2*500)	1000	359	454	9.11	380	
	Lalitpur TPS(3*660)	1980	1235	699	20.47	853	
	Bara(3*660)	1980	746	677	16.98	708	
	Thermal (Total)	13109	6898	5541	137.10	5713	
	Vishnuparvag_HPS (IPP)(4*110)	440	68	68	1.63	68	
	Alaknanda(4*82.5)	330	82	0	1.05	44	
	Other Hydro	527	279	18	1.49	62	
	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	2.70	112	
Renewable(Total)	128	0	0	2.70	112		
Total UP	15515	8227	6527	165.56	6898		
Uttarakhand	Other Hydro	1250	302	167	6.65	277	
	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	0.79	33	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.79	33	
Total Uttarakhand	2107	302	167	7.45	310		
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	37	0.83	34	
	Pragati Gas Turbine (2x104+ 1x122)	330	149	151	3.69	154	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	454	447	10.91	455	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	639	635	15.42	643	
	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	639	635	15.42	643		

HP	Baspa HPS (IPP) (3*100)	300	57	0	0.93	39
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro (>25MW)	372	71	33	1.85	77
	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	0	59	2.90	121
	Renewable(Total)	486	0	59	2.90	121
	Total HP	1244	128	91	5.90	246
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	145	145	3.48
Other Hydro/IPP(including 98 MW Small Hydro)		308	70	50	1.41	59
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	215	195	5	204
Total State Control Area Generation		53111	20854	19634	480.59	20025
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		3839	5422	157.80	6575	
Total Regional Availability(Gross)		78948	41348	33290	870.18	36258

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9092	905	66.18	2757
State Control Area Hydro	7468	1243	620	21.55	1052
Total Regional Hydro	19702	10335	1525	87.73	3809

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	8844	68	1034	26.97	1124
Total Regional Renewable	8874	68	1034	27.11	1130

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

Element	Peak(19:00 Hrs)		Dff Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	250	250	250	0	5.99	0.00	5.99	0.00	5.99
765 KV Gwalior-Agra (D/C)	1861	2322	2477	0	50.87	0.00	50.87	0.00	50.87
400 KV Zerda-Kankroli	-341	-309	0	453	0.00	8.12	-8.12	0.00	-8.12
400 KV Zerda-Bhinmal	-267	-277	0	447	0.00	6.60	-6.60	0.00	-6.60
220 KV Auraja-Malanpur	-49	-43	0	107	0.00	1.13	-1.13	0.00	-1.13
220 KV Badod-Kota/Morak	-36	12	70	0	0.26	0.00	0.26	0.00	0.26
Mundra-Mohindergarh(HVDC Bipole)	301	300	304	0	7.37	0.00	7.37	0.00	7.37
400 KV RAPPCC-Sujalpur	147	190	294	0	4.72	0.00	4.72	0.00	4.72
400 KV Vindhyachal-Rihand	-874	-936	0	961	0.00	21.22	-21.22	0.00	-21.22
765 kV Phagi-Gwalior (D/C)	852	1238	1312	0	26.68	0.00	26.68	0.00	26.68
+/- 800 kV HVDC Champa-Kurushetra	0	0	500	0	8.12	0	8.12	0	8.12
765KV Orai-Jabalpur	0	0	0	0	13.19	0	13.19	0	13.19
765KV Orai-Satna	0	0	0	0	36.25	0	36.25	0	36.25
765KV Orai-Gwalior	0	0	0	0	0.00	16	-16.17	0.00	-16.17
Sub Total WR	1844	2747			153.45	53.24	100.21		
400 kv Sasaram - Varanasi	-37	-23	34	37	0.00	0.31	-0.31		
400 kv Sasaram - Allahabad	55	1	53	55	0.04	0.00	0.04		
400 KV MZP- GKP (D/C)	96	284	418	0	5.13	0.00	5.13		
400 KV Patna-Balia(D/C) X 2	414	455	688	0	12.43	0.00	12.43		
400 KV B'Sharif-Balia (D/C)	171	244	310	0	6.18	0.00	6.18		
765 KV Gaya-Balia	296	372	461	0	9.05	0.00	9.05		
765 KV Gaya-Varanasi (D/C)	153	322	400	0	7.14	0.00	7.14		
220 KV Pusauli-Sahupuri	150	100	160	0	2.80	0.00	2.80		
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96		
132 KV Son Ngr-Rihand	-19	-21	0	0	0.00	0.63	-0.63		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	28	119	187	28	2.49	0.00	2.49		
400 KV Mothari-GKP (D/C)	184	228	290	0	6.12	0.00	6.12		
400 kv B'Sharif - Varanasi (D/C)	4	94	210	13	2.68	0.00	2.68		
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00		
Sub Total ER	1495	2175			55.01	0.94	54.07		
+/- 800 KV HVDC BiswanathChariali-Agra	500	500	500	0.00	3.51	0.00	3.51		
Sub Total NER	500	500			3.51	0.00	3.51		
Total IR Exch	3839	5422			211.98	54.18	157.80		

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange ShdI (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
53.30	0.01	53.31	-7.18	-21.94	-0.74	-1.96	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
45.39	105.22	150.61	57.58	100.21	157.80	12.19	-5.00	7.19

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

Element	Peak(19:00 Hrs)		Dff Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-38	-35	0	39	0	1	-0.81		-0.81

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	1.09	36.72	75.07	17.62	6.24	0.01	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	18.01	49.87	14.41	50.02	0.030	0.052	50.11	49.91	24.93

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	13:02	400	22:26	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	424	3:55	402	18:42	0.0	0.0	33.9	0.0	33.9
Bareilly(PG)400kV	400	419	7:05	402	18:40	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	16:27	409	18:41	0.0	0.0	0.0	0.0	0.0
Dadri	400	422	4:01	411	18:43	0.0	0.0	9.2	0.0	9.2
Ballabgarh	400	423	4:00	410	18:51	0.0	0.0	11.3	0.0	11.3
Bawana	400	421	3:01	410	18:42	0.0	0.0	3.1	0.0	3.1
Bassi	400	417	4:00	404	22:33	0.0	0.0	0.0	0.0	0.0
Hissar	400	420	4:02	407	19:07	0.0	0.0	0.0	0.0	0.0
Moga	400	422	2:59	408	18:58	0.0	0.0	2.9	0.0	2.9
Abdullapur	400	425	3:03	410	18:56	0.0	0.0	25.2	0.0	25.2
Nalagarh	400	433	2:59	415	18:45	0.0	0.0	64.9	14.5	64.9
Kishenpur	400	428	2:55	409	10:10	0.0	0.0	22.5	0.0	22.5
Wagoora	400	412	3:52	389	6:46	0.0	1.6	0.0	0.0	0.0
Amritsar	400	429	2:59	413	19:06	0.0	0.0	25.4	0.0	25.4
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	0:44	410	19:10	0.0	0.0	45.5	0.0	45.5
Rishikesh	400	412	2:58	407	0:23	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	775	7:02	747	18:54	0.0	0.0	0.0	0.0	0.0
Balia	765	792	7:12	760	18:40	0.0	0.0	0.0	0.0	0.0
Moga	765	804	3:01	775	19:06	0.0	0.0	4.0	0.0	4.0
Agra	765	789	7:05	765	23:15	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	800	2:00	779	19:16	0.0	0.0	0.0	0.0	0.0
Unnao	765	784	7:02	756	18:42	0.0	0.0	0.0	0.0	0.0
Lucknow	765	801	7:12	766	18:43	0.0	0.0	0.4	0.0	0.4
Meerut	765	807	3:02	777	23:15	0.0	0.0	21.0	0.0	21.0
Jhatikara	765	796	4:01	775	18:57	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	800	7:07	768	18:41	0.0	0.0	0.0	0.0	0.0
Anta	765	792	13:02	780	14:07	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	3:58	748	14:05	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	472.52	308.66	464.38	186.89	155.63	350.17
Pong	426.72	384.05	394.09	111.75	396.66	151.67	32.51	32.51
Tehri	829.79	740.04	765.85	170.66	762.70	143.23	85.95	186.00
Koteshwar	612.50	598.50	610.04	4.58	611.20	5.20	186.00	181.61
Chamera-I	760.00	748.75	754.37	0.00	0.00	0.00	66.48	60.33
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	495.82	1.28	507.26	0.93	66.37	40.24

* 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	-1118	0	0	-1269	0	0	-28.05	0.00	-28.05
Delhi	-453	-170	0	-458	-252	0	-10.26	-3.22	-13.48
Haryana	-605	7	0	-555	0	0	-16.76	-0.50	-17.25
HP	359	-5	0	203	-236	0	10.49	-2.29	8.20
J&K	600	0	0	516	89	0	12.27	1.67	13.93
CHD	-45	15	0	-45	0	0	-0.54	-0.06	-0.61
Rajasthan	-91	-299	0	-91	-280	0	-2.18	-5.45	-7.63
UP	63	-11	0	77	-63	0	1.58	-0.53	1.05
Uttarakhand	196	464	0	196	531	0	4.88	12.88	17.77
Total	-1095	0	0	-1427	-211	0	-28.57	2.50	-26.07

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1118	-1424	0	0	0	0
Delhi	-358	-460	172	-901	0	0
Haryana	-504	-1004	9	-400	0	0
HP	735	154	93	-577	0	0
J&K	600	471	346	-544	0	0
CHD	0	-45	15	-56	0	0
Rajasthan	-91	-91	195	-1485	0	0
UP	77	58	0	-63	0	0
Uttarakhand	225	196	667	265	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	12
Haryana	1	14
Rajasthan	2	16
Delhi	5	45
UP	0	10
Uttarakhand	4	56
HP	2	23
J & K	5	25
Chandigarh	5	40

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 31.03.2018 :

XVI. Synchronisation of new generating units :

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

1. 220 kV Nebkarori-Mainpuri -1 First time charged at 16.47 Hrs on 31.03.2018.
2. 400 kV Ajmer Phagi 1 first time test charged for 5 minute from Ajmer end from 1919 to 1924 Hrs on 31.03.2018.

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 : 31.03.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER