

पॉवर सिस्टम ऑपरेशन कापोरेशन लिमिटेड

(भारत सरकार का उद्योग)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GH188682

Power Supply Position in Northern Region for 26.03.2018
Date of Reporting : 27.03.2018



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
40705	884	41589	49.92	34019	278	34297	49.98	895.02	13.91

* 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)							UI (OD:(+ve), UD: (-ve))				
	Thermal	Hydro	Gas/Naphtha/Diesal	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	76.67	8.34	0.00	2.92	0.00	2.77	90.71	32.21	31.94	-0.27	122.65	0.00
Haryana	67.20	0.38	5.33	0.13	0.00	1.12	74.16	43.72	45.91	2.18	120.06	0.93
Rajasthan	112.51	1.85	3.66	2.69	3.14	5.02	128.87	49.84	51.14	1.30	180.01	0.00
Delhi	0.00	0.00	10.33	0.00	0.00	0.00	10.33	59.66	60.13	0.47	70.46	0.02
UP	154.54	5.44	0.00	3.73	0.00	21.60	185.31	110.70	111.63	0.93	296.94	0.00
Uttarakhand	0.00	6.54	0.00	0.82	0.00	0.00	7.36	27.42	27.25	-0.16	34.61	0.08
HP	0.00	3.04	0.00	0.00	0.00	2.64	5.68	18.58	19.69	1.11	25.38	0.00
J & K	0.00	5.26	0.00	0.00	0.00	0.00	5.26	38.32	36.35	-1.97	41.61	12.89
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02	3.30	0.29	3.30	0.00
Total	410.93	30.85	19.31	10.29	3.14	33.16	507.68	383.46	387.34	3.88	895.02	13.91

* 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	5449	0	-81	-1269	3845	0	-72	-1118	5810	12	0
Haryana	6000	0	43	-551	4200	0	118	-487	6222	20	190
Rajasthan	6593	0	-9	-97	7337	0	234	-9	9168	8	0
Delhi	3336	0	-156	-473	2196	0	40	-757	3572	12	0
UP	14470	415	529	869	12749	0	-27	29	14470	19	415
Uttarakhand	1696	0	58	619	1229	0	-1	593	1847	7	0
HP	1113	0	-79	-61	801	0	44	277	1398	8	0
J&K	1874	469	-12	664	1575	278	-132	664	1984	20	496
Chandigarh	174	0	-19	-45	87	0	25	-45	174	19	0
Total	40705	884	274	-344	34019	278	229	-854	41894	20	1016

* 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 (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1474	1629	1646	36.34	1514	35.29		1.05
Rihand I STPS (2*500)	1000	450	496	489	10.96	457	10.77		0.19
Rihand II STPS (2*500)	1000	943	1024	1019	22.91	955	22.57		0.34
Rihand III STPS (2*500)	1000	943	1008	1008	22.67	944	22.59		0.08
Dadri I STPS (4*210)	840	769	729	464	14.89	620	15.54		-0.65
Dadri II STPS (2*490)	980	464	464	283	9.01	375	8.64		0.37
Unchahar I TPS (2*210)	420	382	359	407	7.32	305	7.31		0.01
Unchahar II TPS (2*210)	420	382	344	412	7.38	308	7.28		0.10
Unchahar III TPS (1*210)	210	191	194	207	3.62	151	3.65		-0.03
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajhar) (3*500)	1500	894	946	906	20.78	866	20.77		0.01
Dadri GPS (4*130.19+2*154.51)	830	805	189	171	3.70	154	3.82		-0.11
Anta GPS (3*88.71+1*153.2)	419	406	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	425	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	864	0	2.57	107	2.38		0.19
Sub Total (A)	12612	9325	8247	7012	162	6762	161		1.55
B. NPC									
NAPS (2*220)	440	388	430	435	9.38	391	9.31		0.07
RAPS- B (2*220)	440	389	426	435	9.34	389	9.23		0.11
RAPS- C (2*220)	440	200	230	228	4.80	200	4.80		0.00
Sub Total (B)	1320	977	1086	1098	23.53	980	23.35		0.18
C. NHPC									
Chamera I HPS (3*180)	540	534	548	0	2.37	99	2.20		0.17
Chamera II HPS (3*100)	300	296	296	0	1.45	60	1.45		0.00
Chamera III HPS (3*77)	231	228	234	0	0.94	39	0.85		0.09
Bairasul HPS(3*60)	180	59	182	0	0.96	40	0.80		0.17
Salal-HPS (6*115)	690	101	550	90	3.13	131	2.42		0.72
Tanakpur-HPS (3*31.4)	94	18	31	17	0.47	19	0.43		0.04
Uri-I HPS (4*120)	480	212	360	220	5.56	232	5.09		0.46
Uri-II HPS (4*60)	240	130	117	111	3.22	134	3.11		0.11
Dhauliganga-HPS (4*70)	280	207	212	0	0.94	39	0.87		0.06
Dulhasht-HPS (3*130)	390	385	411	0	2.53	105	2.30		0.23
Sewa-II HPS (3*40)	120	119	121	0	0.92	38	0.90		0.02
Parbati 3 (4*130)	520	16	130	0	0.41	17	0.39		0.03
Sub Total (C)	4065	2305	3192	438	23	954	21		2.09
D. SJVNL									
NJPC (6*250)	1500	1497	1532	0	6.77	282	6.40		0.37
Rampur HEP (6*68.67)	412	412	416	0	1.88	78	1.78		0.10
Sub Total (D)	1912	1910	1948	0	8.64	360	8.18		0.46
E. THDC									
Tehri HPS (4*250)	1000	550	542	0	6.13	255	6.15		-0.02
Koteshwar HPS (4*100)	400	111	302	91	2.69	112	2.66		0.04
Sub Total (E)	1400	660	844	91	8.82	367	8.81		0.01
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	606	1151	408	14.68	612	14.55		0.14
Dehar HPS (6*165)	990	120	495	0	3.03	126	2.88		0.15
Pong HPS (6*66)	396	132	208	52	3.21	134	3.17		0.04
Sub Total (F)	2765	858	1854	460	20.92	872	20.60		0.32
G. IPP(s)/JV(s)									
Allain DuhanganHPS(IPP) (2*96)	192	0	0	0	0.39	16	0.37		0.02
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	775	0	3.91	163	3.79		0.11
Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.18		0.01
Shree Cement TPS (2*150)	300	0	258	176	5.46	227	5.52		-0.06
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	0.15	6	0.14		0.02
Sub Total (G)	1762	0	1033	176	10.10	421	10.00		0.10
H. Total Regional Entities (A-G)	25837	16036	18204	9276	257.20	10717	252.48		4.72

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	500	500	11.18	466	
	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	363	364	8.54	356	
	Goindwal(GVK) (2*270)	540	0	145	2.23	93	
	Rajpura (2*700)	1400	1220	1320	30.82	1288	
	Talwandi Saboo (3*660)	1980	1190	616	23.82	993	
	Thermal (Total)	6560	3273	2945	76.67	3195	
	Total Hydro	1000	235	221	8.34	348	
	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	3508	3166	90.71	3779	
	Haryana	Panipat TPS (2*210+2*250)	920	561	577	14.23	593
		DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
Faridabad GPS (NTPC)(2*137.75+1*156)		432	292	170	5.33	222	
RGTPP (khedar) (IPP) (2*600)		1200	1157	771	25.25	1052	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1184	949	27.72	1155	
Thermal (Total)		4497	3194	2467	72.53	3022	
Total Hydro		62	6	13	0.38	16	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	1.12	47	
Solar		50	0	0	0.13	5	
Renewable(Total)		156	0	0	1.25	52	
Total Haryana		4715	3200	2480	74.16	3090	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	820	823	21.34	889
		suratgarh TPS (6*250)	1500	178	179	4.59	191
	Chabra TPS (4*250)	1000	1098	1176	27.76	1157	
	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	152	164	3.66	152	
	RAPS A (NPC) (1*100+1*200)	300	189	189	4.39	183	
	Barsingar (NLC) (2*125)	250	166	148	3.66	152	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	748	611	18.06	753	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	817	907	23.01	959	
	Kawal(Adani) (2*660)	1320	595	618	14.09	587	
	Thermal (Total)	9536	4763	4815	120.56	5023	
	Total Hydro	550	41	74	1.85	77	
	Wind power	4292	76	131	3.14	131	
	Biomass	102	26	26	0.63	26	
	Solar	1995	0	0	2.69	112	
	Renewable/Others (Total)	6389	102	157	6.46	269	
	Total Rajasthan	16475	4906	5046	128.87	5370	
UP	Anpara TPS (3*210+2*500)	1630	1348	1346	32.96	1373	
	Obra TPS (2*50+2*94+5*200)	1194	312	289	6.84	285	
	Paricha TPS (2*110+2*220+2*250)	1160	722	699	14.53	605	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqanj TPS (1*60+1*105+2*250)	665	535	548	10.29	429	
	Tanda TPS (NTPC) (4*110)	440	395	390	7.62	317	
	Roza TPS (IPP) (4*300)	1200	801	865	17.16	715	
	Anpara-C (IPP) (2*600)	1200	1100	1027	23.88	995	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	0	0	0.00	0	
	Lalitpur TPS(3*660)	1980	1234	772	22.17	924	
	Bara(3*660)	1980	760	895	19.10	796	
	Thermal (Total)	13109	7207	6831	154.54	6439	
	Vishnuparvag_HPS (IPP)(4*110)	440	68	63	1.57	65	
	Alaknanda(4*82.5)	330	83	0	1.09	46	
	Other Hydro	527	138	255	2.78	116	
	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	3.73	155	
	Renewable(Total)	128	0	0	3.73	155	
	Total UP	15515	8396	8049	185.31	7721	
	Uttarakhand	Other Hydro	1250	465	192	6.54	273
		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	0.82	34	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		407	0	0	0.82	34	
Total Uttarakhand		2107	465	192	7.36	307	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	38	0.80	33	
	Pragati Gas Turbine (2x104+ 1x122)	330	148	154	3.43	143	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	253	254	6.10	254	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	437	446	10.33	430	
	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	437	446	10.33	430		

HP	Baspa HPS (IPP) (3*100)	300	29	0	1.02	43
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro (>25MW)	372	102	40	1.82	76
	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	181	55	2.64	110
	Renewable(Total)	486	181	55	2.64	110
	Total HP	1244	313	95	5.68	237
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	148	148	3.55
Other Hydro/IPP(including 98 MW Small Hydro)		308	88	65	1.71	71
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	236	213	5	219
Total State Control Area Generation		53111	21461	19687	507.68	21153
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]						
Total Regional Availability(Gross)	78948	45619	37131	911.20	37967	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9477	989	68.49	2847
State Control Area Hydro	7468	1585	1126	30.85	1430
Total Regional Hydro	19702	11062	2115	99.34	4277

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.15	6
State Control Area Renewable	8844	283	212	20.60	858
Total Regional Renewable	8874	283	212	20.75	864

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	
Vindhychal(HVDC B/B)	-200	200	0	200	4.82	0.00	4.82
765 KV Gwalior-Agra (D/C)	1651	2248	2555	0	50.22	0.00	50.22
400 KV Zerda-Kankroli	-438	-246	0	438	0.00	8.11	-8.11
400 KV Zerda-Bhimnal	-388	-137	0	436	0.00	6.39	-6.39
220 KV Auraiya-Malanpur	-104	-37	0	183	0.00	1.45	-1.45
220 KV Badod-Kota/Morak	-130	-73	33	0	0.00	1.60	-1.60
Mundra-Mohindergarh(HVDC Bipole)	298	297	304	0	7.37	0.00	7.37
400 KV RAPPCC-Sujalpur	150	244	257	0	4.90	0.00	4.90
400 KV Vindhychal-Rihand	959	964	0	23	0.00	22.82	-22.82
765 kV Phagi-Gwalior (D/C)	811	972	1128	0	21.53	0.00	21.53
+/- 800 kV HVDC Champa-Kurushetra	2000	2000	2000	0	46.10	0	46.10
765KV Orai-Jabalpur	0	0	0	0	0.00	0	0.00
765KV Orai-Satna	0	0	0	0	0.00	0	0.00
765KV Orai-Gwalior	0	0	0	0	0.00	0	0.00
Sub Total WR	4609	6432			134.93	40.37	94.56
400 kv Sasaram - Varanasi	9	19	47	19	0.05	0.00	0.05
400 kv Sasaram - Allahabad	106	107	0	107	0.00	1.63	-1.63
400 kv MZP- GKP (D/C)	51	85	266	0	2.69	0.00	2.69
400 kv Patna-Balia(D/C) X 2	354	467	0	565	11.09	0.00	11.09
400 kv B'Sharif-Balia (D/C)	100	177	0	223	4.25	0.00	4.25
765 kv Gaya-Balia	237	253	0	237	7.69	0.00	7.69
765 kv Gaya-Varanasi (D/C)	83	165	349	0	5.77	0.00	5.77
220 KV Pusault-Sahupuri	-160	-132	160	0	3.29	0.00	3.29
132 KV Knasa-Sahupuri	0	0	1	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-34	0	-36	0.00	-0.68	0.68
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-60	-53	69	60	0.00	0.06	-0.06
400 KV Mothari-GKP (D/C)	148	188	280	0	4.75	0.00	4.75
400 kv B'Sharif - Varanasi (D/C)	3	-6	183	3	1.64	0.00	1.64
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	11.55	0.00	11.55
Sub Total ER	1345	1736			52.77	1.01	51.76
+/- 800 KV HVDC BiswanathChariali-Agra	0	0	0	0.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	5954	8168			187.70	41.38	146.32

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
55.94	0.18	56.12	-10.61	-19.25	2.14	5.30	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
47.65	102.49	150.14	51.76	94.56	146.32	4.10	-7.93	-3.82

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	
132 KV Tanakpur - Mahendarnagar	-33	-38	0	0	0	-1	0.89

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	1.00	15.46	73.70	78.48	5.19	1.08	0.03	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	(Hz)	(Hz)	(Hz)	(Hz)	
50.20	18.01	49.74	15.26	49.96	0.054	0.062	50.07	49.80	21.52

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	409	0:30	400	10:42	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	8:04	396	18:37	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	7:56	398	18:37	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	21:42	407	18:36	0.0	0.0	0.0	0.0	0.0
Dadri	400	424	3:58	405	19:01	0.0	0.0	17.6	0.0	17.6
Ballabgarh	400	424	3:58	407	11:31	0.0	0.0	16.1	0.0	16.1
Bawana	400	423	3:36	403	18:39	0.0	0.0	16.0	0.0	16.0
Bassi	400	420	3:59	403	10:31	0.0	0.0	0.0	0.0	0.0
Hissar	400	421	4:01	401	19:00	0.0	0.0	0.0	0.0	0.0
Moga	400	422	3:56	404	10:28	0.0	0.0	6.5	0.0	6.5
Abdullapur	400	428	4:00	405	18:39	0.0	0.0	26.1	0.0	26.1
Nalagarh	400	431	3:58	409	18:40	0.0	0.0	43.1	0.3	43.1
Kishenpur	400	428	3:57	408	19:00	0.0	0.0	19.7	0.0	19.7
Wagoora	400	409	3:46	391	6:43	0.0	0.0	0.0	0.0	0.0
Amritsar	400	429	3:58	408	18:39	0.0	0.0	24.2	0.0	24.2
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	421	2:06	406	7:00	0.0	0.0	8.1	0.0	8.1
Rishikesh	400	412	0:28	388	19:00	0.0	0.8	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	790	7:55	749	22:47	0.0	0.0	0.0	0.0	0.0
Balia	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Moga	765	801	0:52	770	10:29	0.0	0.0	0.1	0.0	0.1
Agra	765	793	21:58	768	11:28	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	3:59	777	10:30	0.0	0.0	3.1	0.0	3.1
Unnao	765	782	7:56	751	18:39	0.0	0.0	0.0	0.0	0.0
Lucknow	765	797	8:06	761	18:38	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	0:39	770	10:22	0.0	0.0	5.5	0.0	5.5
Jhatikara	765	798	3:58	774	10:32	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	794	3:58	760	18:40	0.0	0.0	0.0	0.0	0.0
Anta	765	789	3:57	770	11:26	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	3:36	776	11:09	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	474.09	334.98	465.12	195.49	183.63	492.12
Pong	426.72	384.05	394.25	111.75	396.53	151.67	45.45	258.73
Tehri	829.79	740.04	768.50	194.49	765.35	166.24	39.19	181.00
Koteshwar	612.50	598.50	609.87	4.44	610.52	4.69	181.00	178.00
Chamera-I	760.00	748.75	753.80	0.00	0.00	0.00	58.45	63.73
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	1.24	505.44	0.64	75.22	69.56

* 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	-28.04	-0.10	-28.15
Delhi	-449	-308	0	-454	-19	0	-10.13	-2.22	-12.35
Haryana	-505	17	0	-555	4	0	-14.17	0.23	-13.95
HP	257	20	0	198	-259	0	7.89	-1.19	6.70
J&K	516	148	0	516	148	0	11.84	4.64	16.48
CHD	-45	0	0	-45	0	0	-0.54	0.00	-0.54
Rajasthan	-72	63	0	-91	-6	0	-2.08	-3.40	-5.48
UP	67	-38	0	67	802	0	1.55	2.32	3.88
Uttarakhand	196	397	0	196	423	0	4.83	11.05	15.87
Total	-1154	300	0	-1438	1094	0	-28.87	11.32	-17.55

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1118	-1421	0	-101	0	0
Delhi	-351	-456	251	-427	0	0
Haryana	-505	-762	17	0	0	0
HP	545	149	216	-648	0	0
J&K	516	471	425	-494	0	0
CHD	0	-45	15	-40	0	0
Rajasthan	-72	-91	299	-1316	0	0
UP	67	62	930	-56	0	0
Uttarakhand	225	196	664	22	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	9
Haryana	3	23
Rajasthan	1	13
Delhi	4	18
UP	0	6
Uttarakhand	6	68
HP	5	27
J & K	3	21
Chandigarh	5	40

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 26.03.2018 :****XVI. Synchronisation of new generating units :****XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

1. 765kV Orai-Alligarh Line -1 first time synchronized with grid at 14.17hrs of 26.03.18
2. 765/400kV 3x333MVA ICT-1 first time synchronized at 16.29hrs of 26.03.18
3. 765kV Orai-Alligarh Line -2 first time synchronized with grid at 19.42hrs of 26.03.18
4. 765kV Aligarh – Jhatikara line charged at 21.09 Hrs along with first time charging of CB of Line reactor.
5. 765 kV Tie bay(70252) of ICT-I and Aligarh-II, first time charged at 21.28 Hrs on 26.03.18.
6. 765 kV Main bay(71852) of Bus Reactor –III(Future), first time charged at 21.43 Hrs on 26.03.18.
7. 765 kV Tie bay(70252) of Jabbalpur-II and Bus Reactor –III(Future), first time charged at 21.50 Hrs on 26.03.18.

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 : 26.03.2018

पारी प्रमारी अभिचंता / SHIFT CHARGE ENGINEER