

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.03.2018
Date of Reporting : 30.03.2018



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
41088	1105	42193	49.93	36106	458	36564	49.92	907.17	13.18

*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/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	81.32	4.98	0.00	3.24	0.00	2.90	92.44	34.17	33.59	-0.58	126.03	0.93
Haryana	69.81	0.40	5.44	0.18	0.00	1.27	77.09	42.73	43.98	1.26	121.08	0.07
Rajasthan	108.75	1.25	3.64	0.00	4.62	4.99	123.25	51.07	53.86	2.79	177.11	1.31
Delhi	0.01	0.00	15.73	0.00	0.00	0.00	15.74	59.52	58.81	-0.71	74.55	0.26
UP	161.34	6.34	0.00	3.60	0.00	21.60	192.88	103.72	107.71	3.99	300.59	0.38
Uttarakhand	0.00	6.56	0.00	0.81	0.00	0.00	7.37	26.95	28.57	1.62	35.94	0.23
HP	0.00	3.16	0.00	0.00	0.00	2.79	5.95	19.60	20.56	0.96	26.51	0.11
J & K	0.00	6.71	0.00	0.00	0.00	0.00	6.71	37.30	35.33	-1.97	42.05	9.91
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	3.32	0.28	3.32	0.00
Total	421.23	29.41	24.81	7.83	4.62	33.55	521.44	378.10	385.73	7.63	907.17	13.18

* 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	5493	0	4	-1269	4125	0	-32	-1118	5872	8	0
Haryana	5665	90	199	-555	4731	0	-11	-486	6231	20	144
Rajasthan	6926	0	-354	-67	7321	0	144	-548	8798	8	0
Delhi	3516	0	-64	-609	2544	0	-17	-1008	3659	20	0
UP	14664	555	575	27	13436	170	564	-8	14664	19	555
Uttarakhand	1805	0	246	737	1340	0	66	719	1805	19	0
HP	1115	28	44	-66	880	0	-8	256	1403	8	0
J&K	1728	432	-89	644	1630	288	-58	664	2215	20	554
Chandigarh	176	0	-21	-45	98	0	30	-45	176	19	0
Total	41088	1105	540	-1204	36106	458	678	-1576	42510	20	1382

* 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 (OG:(+ve), UG:(-ve))	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	573	696	681	15.55	648	13.75		1.80
Rihand I STPS (2*500)	1000	409	497	446	11.06	461	9.75		1.31
Rihand II STPS (2*500)	1000	943	1029	1031	23.29	970	22.47		0.82
Rihand III STPS (2*500)	1000	943	995	1009	22.65	944	22.53		0.12
Dadri I STPS (4*210)	840	769	771	765	16.78	699	17.57		-0.79
Dadri II STPS (2*490)	980	928	825	811	20.51	855	20.47		0.04
Unchahar I TPS (2*210)	420	382	376	394	7.99	333	8.29		-0.30
Unchahar II TPS (2*210)	420	382	370	393	8.28	345	8.43		-0.15
Unchahar III TPS (1*210)	210	191	189	195	4.29	179	4.43		-0.13
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajjar) (3*500)	1500	850	887	902	20.04	835	19.82		0.22
Dadri GPS (4*130.19+2*154.51)	830	805	147	176	3.78	158	3.84		-0.06
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		0.01
KHEP(4*200)	800	792	865	203	2.60	108	2.38		0.22
Sub Total (A)	12612	9022	7647	7006	157	6541	154		3.12
B. NPC									
NAPS (2*220)	440	392	425	434	9.43	393	9.40		0.03
RAPS- B (2*220)	440	387	437	442	9.32	388	9.19		0.13
RAPS- C (2*220)	440	200	230	229	4.45	185	4.79		-0.34
Sub Total (B)	1320	979	1092	1105	23.20	967	23.39		-0.18
C. NHPC									
Chamera I HPS (3*180)	540	534	541	0	2.35	98	2.20		0.15
Chamera II HPS (3*100)	300	296	301	0	2.26	94	2.12		0.14
Chamera III HPS (3*77)	231	228	233	0	1.47	61	1.30		0.17
Bairasuli HPS(3*60)	180	73	180	51	1.24	52	1.09		0.16
Salal-HPS (6*115)	690	120	528	135	3.84	160	2.88		0.96
Tanakpur-HPS (3*31.4)	94	17	15	16	0.45	19	0.40		0.05
Uri-I HPS (4*120)	480	225	68	244	5.93	247	5.41		0.52
Uri-II HPS (4*60)	240	138	241	111	3.47	145	3.32		0.15
Dhauliganga-HPS (4*70)	280	207	212	0	0.89	37	0.80		0.09
Dulhasti-HPS (3*130)	390	385	391	0	3.55	148	3.30		0.25
Sewa-II HPS (3*40)	120	119	118	0	1.85	77	1.80		0.05
Parbati 3 (4*130)	520	24	129	0	0.64	27	0.58		0.06
Sub Total (C)	4065	2367	2957	558	28	1164	25		2.74
D.SJVNL									
NJPC (6*250)	1500	1497	817	0	6.38	266	7.55		-1.17
Rampur HEP (6*68.67)	412	412	222	0	1.83	76	2.10		-0.26
Sub Total (D)	1912	1910	1039	0	8.21	342	9.65		-1.43
E. THDC									
Tehri HPS (4*250)	1000	536	539	0	6.11	255	6.06		0.05
Koteswar HPS (4*100)	400	111	299	92	2.70	112	2.66		0.04
Sub Total (E)	1400	647	838	92	8.81	367	8.72		0.10
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	547	1042	403	13.28	553	13.13		0.15
Dehar HPS (6*165)	990	146	495	0	3.81	159	3.52		0.30
Pong HPS (6*66)	396	41	156	0	0.99	41	0.98		0.00
Sub Total (F)	2765	734	1693	403	18.07	753	17.63		0.44
G. IPP(s)/JV(s)									
Allain DuhanganHPS(IPP) (2*96)	192	0	0	0	0.52	22	0.55		-0.03
Karcham Wantoo HPS(IPP) (4*250)	1000	0	825	0	3.80	158	3.79		0.00
Malana Stg-II HPS (2*50)	100	0	0	0	0.23	10	0.21		0.02
Shree Cement TPS (2*150)	300	0	259	261	6.21	259	6.32		-0.11
Budhil HPS(IPP) (2*35)	70	0	0	0	0.29	12	0.21		0.08
Sainj HPS (IPP) (2*50)	100	0	0	0	0.25	0	0.25		0.00
Sub Total (G)	1762	0	1084	261	11.04	460	11.09		-0.04
H. Total Regional Entities (A-G)	25837	15659	16350	9425	254.25	10594	249.52		4.74

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	630	500	13.12	547	
	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	462	360	9.35	390	
	Goindwal(GVK) (2*270)	540	0	0	0.05	2	
	Rajpura (2*700)	1400	1320	1320	31.48	1312	
	Talwandi Saboo (3*660)	1980	1228	870	27.30	1138	
	Thermal (Total)	6560	3640	3050	81.32	3388	
	Total Hydro	1000	202	92	4.98	208	
	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	3842	3142	92.44	3852	
	Haryana	Paripat TPS (2*210+2*250)	920	609	607	14.87	619
		DCRTPP (Yamuna nagar) (2*300)	600	290	0	4.47	186
Faridabad GPS (NTPC)(2*137.75+1*156)		432	190	286	5.44	227	
RGTPP (khedar) (IPP) (2*600)		1200	864	990	23.23	968	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1090	1185	27.24	1135	
Thermal (Total)		4497	3043	3068	75.25	3135	
Total Hydro		62	6	15	0.40	17	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	1.27	53	
Solar		50	0	0	0.18	7	
Renewable(Total)		156	0	0	1.45	60	
Total Haryana		4715	3049	3083	77.09	3212	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	884	825	22.63	943
		suratgarh TPS (6*250)	1500	176	180	5.33	222
	Chabra TPS (4*250)	1000	1256	1257	28.90	1204	
	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	156	157	3.64	152	
	RAPS A (NPC) (1*100+1*200)	300	187	187	4.36	181	
	Barsingsar (NLC) (2*125)	250	180	181	4.15	173	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	718	721	17.50	729	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1112	1089	26.88	1120	
	Kawai(Adani) (2*660)	1320	0	608	3.37	141	
	Thermal (Total)	9536	4669	5205	116.75	4865	
	Total Hydro	550	61	18	1.25	52	
	Wind power	4292	551	136	4.62	192	
	Biomass	102	27	27	0.64	27	
	Solar	1995	0	0	0.00	0	
	Renewable/Others (Total)	6389	578	163	5.25	219	
	Total Rajasthan	16475	5308	5386	123.25	5136	
UP	Anpara TPS (3*210+2*500)	1630	1352	1314	33.96	1415	
	Obra TPS (2*50+2*94+5*200)	1194	293	303	6.98	291	
	Paricha TPS (2*110+2*220+2*250)	1160	767	693	16.50	687	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqanj TPS (1*60+1*105+2*250)	665	542	543	10.72	447	
	Tanda TPS (NTPC) (4*110)	440	386	390	7.86	327	
	Roza TPS (IPP) (4*300)	1200	723	703	9.49	395	
	Anpara-C (IPP) (2*600)	1200	1078	1082	27.02	1126	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	369	0	3.97	165	
	Lalitpur TPS(3*660)	1980	1228	1225	27.33	1139	
	Bara(3*660)	1980	746	752	17.52	730	
	Thermal (Total)	13109	7484	7005	161.34	6722	
	Vishnuparvayq_HPS (IPP)(4*110)	440	73	68	1.63	68	
	Alaknanda(4*82.5)	330	83	0	0.98	41	
	Other Hydro	527	304	149	3.74	156	
	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	3.60	150	
Renewable(Total)	128	0	0	3.60	150		
Total UP	15515	8844	8122	192.88	8037		
Uttarakhand	Other Hydro	1250	304	198	6.56	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	0.81	34	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.81	34	
Total Uttarakhand	2107	304	198	7.37	307		
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	37	0.88	37	
	Pragati Gas Turbine (2x104+ 1x122)	330	150	154	3.62	151	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	450	450	11.23	468	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	636	641	15.74	656	
	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	636	641	15.74	656		

HP		300	0	0	0.92	38
	Baspa HPS (IPP) (3*100)	300	0	0	0.92	38
	Malana HPS (IPP) (2*43)	86	0	0	0.29	12
	Other Hydro (>25MW)	372	81	35	1.95	81
	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	152	55	2.79	116
	Renewable(Total)	486	152	55	2.79	116
	Total HP	1244	233	90	5.95	248
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	144	146	4.40	184
	Other Hydro/IPP(including 98 MW Small Hydro)	308	108	86	2.31	96
	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	252	232	7	280
Total State Control Area Generation		53111	22468	20894	521.44	21727
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		2211	2174.9	143.71	5988	
Total Regional Availability(Gross)		78948	41029	32494	919.40	38308

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8217	1256	70.46	2924
State Control Area Hydro	7468	1518	862	29.41	1376
Total Regional Hydro	19702	9735	2118	99.87	4299

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.15	6
State Control Area Renewable	8844	730	218	20.04	835
Total Regional Renewable	8874	730	218	20.19	841

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)	150	-150	150	150	1.89	1.64	0.24		
765 KV Gwalior-Agra (D/C)	-1379	-2127	2127	0	42.31	0.00	42.31		
400 KV Zerda-Kankroli	-458	-290	0	480	0.00	8.79	-8.79		
400 KV Zerda-Bhinmal	-355	-227	0	446	0.00	6.77	-6.77		
220 KV Aurajya-Malanpur	-71	-34	0	101	0.00	1.35	-1.35		
220 KV Badod-Kota/Morak	-4	-60	19	164	0.00	1.34	-1.34		
Mundra-Mohinderqarh(HVDC Bipole)	301	298	304	0	7.40	0.00	7.40		
400 KV RAPPCC-Sujalpur	100	247	308	0	4.77	0.00	4.77		
400 KV Vindhychal-Rihand	-946	-962	0	967	0.00	22.94	-22.94		
765 kV Phagi-Gwalior (D/C)	466	804	1180	0	20.31	0.00	20.31		
+/- 800 kV HVDC Champa-Kurushetra	1500	2000	2000	0	32.31	0	32.31		
765KV Orai-Jabalpur	1200	1000	1400	0	22.11	0	22.11		
765KV Orai-Salna	1000	0	1500	0	11.25	0	11.25		
765KV Orai-Gwalior	-450	0	0	560	0.00	3	-2.86		
Sub Total WR	1054	499			142.35	45.68	96.66		
400 kv Sasaram - Varanasi	-17	1	35	17	0.05	0.00	0.05		
400 kv Sasaram - Allahabad	-95	-79	0	95	0.00	1.47	-1.47		
400 kv MZP- GKP (D/C)	-75	43	196	75	2.26	0.00	2.26		
400 KV Patna-Balia(D/C) X 2	306	332	573	0	10.66	0.00	10.66		
400 KV B'Sharif-Balia (D/C)	67	174	249	0	4.23	0.00	4.23		
765 KV Gaya-Balia	208	334	373	0	7.58	0.00	7.58		
765 KV Gaya-Varanasi (D/C)	76	157	304	0	4.96	0.00	4.96		
220 KV Pusauli-Sahupuri	163	141	166	0	3.32	0.00	3.32		
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
132 KV Son Nqr-Rihand	0	0	0	0	0.00	0.72	-0.72		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-98	-82	67	98	0.00	0.31	-0.31		
400 KV Mothari-GKP (D/C)	92	154	228	0	3.90	0.00	3.90		
400 kv B'Sharif - Varanasi (D/C)	30	1	120	30	1.09	0.00	1.09		
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	11.49	0.00	11.49		
Sub Total ER	1157	1676			49.53	2.49	47.04		
+/- 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	2211	2175			191.88	48.17	143.71		

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
59.42	0.08	59.51	-7.69	-21.65	-2.86	-4.68	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
48.95	100.16	149.11	47.04	96.66	143.71	-1.91	-3.49	-5.40

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	-0.82		

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	2.97	19.87	75.15	74.64	5.01	0.66	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	6.01	49.71	0.14	49.95	0.070	0.068	50.07	49.81	25.36

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	15:35	399	3:12	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	6:03	399	18:10	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	0:51	400	19:11	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	0:49	406	19:10	0.0	0.0	0.0	0.0	0.0
Dadri	400	419	0:49	407	19:12	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	420	0:45	405	19:13	0.0	0.0	0.0	0.0	0.0
Bawana	400	420	0:49	406	19:10	0.0	0.0	0.0	0.0	0.0
Bassi	400	416	6:01	403	19:12	0.0	0.0	0.0	0.0	0.0
Hissar	400	416	0:45	403	19:11	0.0	0.0	0.0	0.0	0.0
Moga	400	420	0:49	406	19:09	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	423	0:51	401	22:32	0.0	0.0	4.6	0.0	4.6
Nalagarh	400	427	0:49	411	19:12	0.0	0.0	39.2	0.0	39.2
Kishenpur	400	424	3:59	409	6:39	0.0	0.0	17.1	0.0	17.1
Wagoora	400	409	4:29	390	6:42	0.0	0.0	0.0	0.0	0.0
Amritsar	400	425	0:51	409	19:13	0.0	0.0	17.2	0.0	17.2
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	0:31	407	19:10	0.0	0.0	63.1	0.0	63.1
Rishikesh	400	412	0:51	390	19:12	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	782	1:06	744	19:11	0.0	0.0	0.0	0.0	0.0
Balia	765	780	8:22	760	18:10	0.0	0.0	0.0	0.0	0.0
Moga	765	801	0:51	774	6:45	0.0	0.0	0.1	0.0	0.1
Agra	765	789	0:49	765	10:18	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	0:44	777	19:13	0.0	0.0	0.0	0.0	0.0
Unnao	765	775	8:25	752	19:12	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	8:26	764	19:10	0.0	0.0	0.0	0.0	0.0
Meerut	765	807	0:51	634	0:09	0.0	0.0	6.9	0.0	7.0
Jhatikara	765	795	0:50	770	19:13	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	794	0:51	764	19:12	0.0	0.0	0.0	0.0	0.0
Anta	765	787	13:03	773	10:11	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	13:06	772	10:12	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	473.09	319.15	464.44	186.89	169.53	425.77
Pong	426.72	384.05	394.09	111.75	396.62	151.67	33.64	80.65
Tehri	829.79	740.04	766.90	180.02	763.70	151.83	77.94	183.00
Koteshwar	612.50	598.50	610.10	4.86	610.78	4.96	183.00	178.40
Chamera-I	760.00	748.75	754.20	0.00	0.00	0.00	83.63	63.40
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	495.80	0.91	506.78	0.74	67.94	75.41

* 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	0.00	-28.04
Delhi	-452	-556	0	-458	-151	0	-10.21	-5.24	-15.46
Haryana	-505	19	0	-555	0	0	-15.18	-2.77	-17.96
HP	260	-5	0	202	-269	0	8.83	-2.40	6.43
J&K	516	148	0	516	128	0	11.84	4.07	15.91
CHD	-45	0	0	-45	0	0	-0.54	-0.08	-0.62
Rajasthan	-60	-488	0	-60	-7	0	-1.41	-5.00	-6.42
UP	63	-71	0	77	-50	0	1.54	-1.36	0.17
Uttarakhand	196	522	0	196	541	0	4.88	10.50	15.38
Total	-1146	-430	0	-1396	193	0	-28.31	-2.29	-30.60

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1118	-1421	0	0	0	0
Delhi	-355	-459	104	-571	0	0
Haryana	-505	-888	19	-1110	0	0
HP	572	103	-5	-522	0	0
J&K	516	471	405	-504	0	0
CHD	0	-45	0	-40	0	0
Rajasthan	-52	-60	632	-1107	0	0
UP	77	58	-50	-81	0	0
Uttarakhand	225	196	665	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	1	13
Haryana	0	10
Rajasthan	4	24
Delhi	2	18
UP	1	16
Uttarakhand	2	20
HP	5	40
J & K	3	22
Chandigarh	4	36

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 29.03.2018 :****XVI. Synchronisation of new generating units :****XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

1.765 KV Orai-Gwalior line first time charged and synchronized at 13.31 hrs. on 29.03.18.
2.765 KV Orai-Satna line first time charged and synchronized at 17.18 hrs. on 29.03.18.
3.500 MVA,ICT-3(New) first time charged on load at 22.14 hrs. on 29.03.18 at Sikar PG.
4.400 KV Abdullapur-Dehradaun line-I first time charged and synchronized at 23.13 hrs. on 29.03.18.
5.Spare 220KV Bays No. 201 and 203 first time charged at 23.55 and 23.59 hrs. respectively on 29.03.18 at Sikar PG sub-station.

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 : 29.03.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER