

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GH188682

Power Supply Position in Northern Region for 29.01.2018
Date of Reporting : 30.01.2018



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
43873	546	44419	49.99	30056	303	30360	49.99	903.63	15.74

* 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)							Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages* (MU)
	Thermal	Hydro	Gas/Naphtha/Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	70.79	9.10	0.00	2.61	0.00	2.34	84.83	16.44	16.36	-0.08	101.20	0.00
Haryana	57.30	0.08	0.00	0.01	0.00	0.13	57.53	56.16	57.96	1.81	115.50	0.22
Rajasthan	115.74	4.46	4.43	1.61	3.49	4.94	134.67	70.87	74.40	3.53	209.07	4.47
Delhi	-0.01	0.00	14.52	0.00	0.00	0.00	14.51	52.92	52.85	-0.07	67.36	0.00
UP	158.47	6.78	0.00	1.73	0.00	21.60	188.58	106.11	107.29	1.19	295.88	0.00
Uttarakhand	0.00	7.41	0.00	0.40	0.00	0.00	7.82	29.09	29.73	0.64	37.55	0.00
HP	0.00	2.64	0.00	0.00	0.00	1.16	3.79	22.09	22.91	0.81	26.70	0.01
J & K	0.00	3.85	0.00	0.00	0.00	0.00	3.85	42.60	42.86	0.26	46.71	11.04
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.44	3.67	0.23	3.67	0.00
Total	402.29	34.32	18.95	6.37	3.49	30.17	495.58	399.72	408.04	8.32	903.63	15.74

* 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	5198	0	32	-1841	2835	0	76	-1535	5198	19	0
Haryana	6610	0	-23	-517	3602	0	81	-339	6610	19	0
Rajasthan	9357	0	121	-69	7804	0	324	48	10666	8	618
Delhi	3153	0	-169	-920	1522	0	47	-1214	4030	11	0
UP	13830	0	-8	6	10549	0	144	-23	13871	18	0
Uttarakhand	2048	0	173	776	1174	0	34	544	2048	19	0
HP	1310	0	65	331	767	0	-38	516	1492	10	0
J&K	2184	546	124	997	1718	303	1	895	2229	20	557
Chandigarh	184	0	1	-31	85	0	4	-31	242	9	0
Total	43873	546	316	-1268	30056	303	674	-1140	43873	19	546

* 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	875	925	891	20.81	867	20.69	0.12	
Rihand II STPS (2*500)	1000	943	1009	940	22.55	940	22.23	0.32	
Rihand III STPS (2*500)	1000	943	995	817	21.97	915	21.84	0.13	
Dadri I STPS (4*210)	840	769	665	423	12.92	539	13.17	-0.24	
Dadri II STPS (2*490)	980	929	874	557	18.18	758	17.58	0.61	
Unchahar I TPS (2*210)	420	383	420	239	7.51	313	7.59	-0.08	
Unchahar II TPS (2*210)	420	383	416	235	7.43	310	7.44	-0.01	
Unchahar III TPS (1*210)	210	192	205	115	3.69	154	3.77	-0.08	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	948	932	591	17.32	722	17.84	-0.52	
Dadri GPS (4*130.19+2*154.51)	830	838	195	113	3.57	149	3.39	0.18	
Anta GPS (3*88.71+1*153.2)	419	421	0	0	0.00	0	0.00	0.00	
Auraya GPS (4*111.19+2*109.30)	663	645	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	648	0	2.52	105	2.38	0.15	
Sub Total (A)	12612	10746	8930	6771	179	7456	178	1.12	
B. NPC	NAPS (2*220)	440	416	453	461	10.04	418	9.94	0.10
RAPS- B (2*220)	440	194	218	217	4.65	194	4.66	-0.01	
RAPS- C (2*220)	440	418	466	464	10.07	420	10.03	0.04	
Sub Total (B)	1320	1028	1137	1142	24.76	1032	24.63	0.13	
C. NHPC	Chamera I HPS (3*180)	540	534	367	0	1.81	75	1.60	0.21
Chamera II HPS (3*100)	300	296	297	0	0.84	35	0.75	0.09	
Chamera III HPS (3*77)	231	153	160	0	0.58	24	0.50	0.08	
Bairasuli HPS(3*60)	180	52	122	0	0.38	16	0.36	0.02	
Salal-HPS (6*115)	690	70	343	30	2.10	87	1.68	0.42	
Tanakpur-HPS (3*31.4)	94	21	32	21	0.54	22	0.50	0.04	
Uri-I HPS (4*120)	480	56	230	10	1.52	63	1.34	0.18	
Uri-II HPS (4*60)	240	46	37	37	1.13	47	1.10	0.03	
Dhauliganga-HPS (4*70)	280	52	282	0	0.86	36	0.84	0.02	
Dulhasti-HPS (3*130)	390	257	270	0	2.65	110	2.50	0.15	
Sewa-II HPS (3*40)	120	119	120	0	0.27	11	0.36	-0.09	
Parbati 3 (4*130)	520	8	0	0	0.00	0	0.19	-0.19	
Sub Total (C)	4065	1663	2259	98	13	527	12	0.95	
D.SJVNL	NJPC (6*250)	1500	1263	1262	0	6.43	268	6.29	0.14
Rampur HEP (6*68.67)	412	344	356	0	1.82	76	1.78	0.04	
Sub Total (D)	1912	1607	1618	0	8.25	344	8.07	0.18	
E. THDC	Tehri HPS (4*250)	1000	916	895	0	7.68	320	7.60	0.08
Koteswar HPS (4*100)	400	125	396	90	3.03	126	3.00	0.03	
Sub Total (E)	1400	1041	1291	90	10.71	446	10.60	0.11	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	630	1137	433	15.26	636	15.11	0.15
Dehar HPS (6*165)	990	95	495	0	2.45	102	2.28	0.17	
Pong HPS (6*66)	396	214	264	0	5.17	216	5.14	0.04	
Sub Total (F)	2765	939	1896	433	22.89	954	22.52	0.36	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	0	0	0.30	12	0.29	0.01
Karcham Wantoo HPS(IPP) (4*250)	1000	0	775	0	3.36	140	3.32	0.04	
Malana Stg-II HPS (2*50)	100	0	0	0	0.18	7	0.17	0.01	
Shree Cement TPS (2*150)	300	0	146	100	3.11	130	3.20	-0.09	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.13	6	0.14	0.00	
Sainj HPS (IPP) (2*50)	100	0	0	0	0.27	0	0.27	0.00	
Sub Total (G)	1762	0	921	100	7.08	295	7.11	-0.03	
H. Total Regional Entities (A-G)	25837	17023	18052	8633	265.28	11053	262.46	2.82	

Diversity is 1.06

UI (OG (+ve), UG: (-ve))

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	160	3.64	152	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	377	374	8.47	353	
	Goindwal(GVK) (2*270)	540	205	145	3.90	162	
	Rajpura (2*700)	1400	1320	660	26.99	1125	
	Talwandi Saboo (3*660)	1980	1500	924	27.80	1159	
	Thermal (Total)	6560	3562	2263	70.79	2949	
	Total Hydro	1000	420	248	9.10	379	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	2.34	98	
	Solar	859	0	0	2.61	109	
	Renewable(Total)	1162	0	0	4.95	206	
	Total Punjab	8722	3982	2511	84.83	3555	
	Haryana	Paripat TPS (2*210+2*250)	920	0	0	0.00	0
		DCRTPP (Yamuna nagar) (2*300)	600	572	464	11.77	490
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (kheadar) (IPP) (2*600)		1200	955	763	20.48	853	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1203	741	25.06	1044	
Thermal (Total)		4497	2730	1968	57.30	2388	
Total Hydro		62	0	3	0.08	3	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	0.13	6	
Solar		50	0	0	0.01	1	
Renewable(Total)		156	0	0	0.15	6	
Total Haryana		4715	2730	1971	57.53	2397	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1141	761	24.12	1005
		suratgarh TPS (6*250)	1500	1027	896	24.65	1027
	Chabra TPS (4*250)	1000	686	693	16.30	679	
	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	179	183	4.43	185	
	RAPS A (NPC) (1*100+1*200)	300	194	195	4.46	186	
	Barsingsar (NLC) (2*125)	250	221	214	5.16	215	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	822	824	19.84	827	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1129	818	25.67	1070	
	Kawai(Adani) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	9536	5399	4584	124.63	5193	
	Total Hydro	550	189	114	4.46	186	
	Wind power	4292	157	160	3.49	145	
	Biomass	102	20	20	0.48	20	
	Solar	1995	0	0	1.61	67	
	Renewable/Others (Total)	6389	177	180	5.58	232	
	Total Rajasthan	16475	5765	4878	134.67	5611	
UP	Anpara TPS (3*210+2*500)	1630	1348	1354	34.43	1435	
	Obra TPS (2*50+2*94+5*200)	1194	463	456	10.86	452	
	Paricha TPS (2*110+2*220+2*250)	1160	819	585	17.93	747	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	444	316	8.97	374	
	Tanda TPS (NTPC) (4*110)	440	390	274	8.60	358	
	Roza TPS (IPP) (4*300)	1200	570	569	15.40	642	
	Anpara-C (IPP) (2*600)	1200	1101	1092	26.48	1103	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	193	0	3.47	145	
	Anpara-D(2*500)	1000	453	451	10.84	452	
	Lalitpur TPS(3*660)	1980	629	0	7.54	314	
	Bara(2*660)	1320	600	396	13.95	581	
	Thermal (Total)	12449	7010	5493	158.47	6603	
	Vishnuparvaq_HPS (IPP)(4*110)	440	73	68	1.71	71	
	Alakanada(4*82.5)	330	73	0	1.10	46	
	Other Hydro	527	238	33	3.98	166	
	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	1.73	72	
Renewable(Total)	128	0	0	1.73	72		
Total UP	14855	8294	6494	188.58	7858		
Uttarakhand	Other Hydro	1250	496	253	7.41	309	
	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	0.40	17	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.40	17	
Total Uttarakhand	2107	496	253	7.82	326		
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	145	144	2.98	124	
	Pragati Gas Turbine (2x104+ 1x122)	330	275	275	6.61	276	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	250	4.93	205	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	670	669	14.51	605	
	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	670	669	14.51	605		

HP		300	0	0	0.85	35
	Baspa HPS (IPP) (3*100)	300	0	0	0.85	35
	Malana HPS (IPP) (2*43)	86	0	0	0.17	7
	Other Hydro (>25MW)	372	116	37	1.61	67
	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	98	24	1.16	48
	Renewable(Total)	486	98	24	1.16	48
	Total HP	1244	213	61	3.79	158
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	118	118	2.83	118
	Other Hydro/IPP(including 98 MW Small Hydro)	308	82	20	1.02	42
	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	200	138	4	160
	Total State Control Area Generation	52451	22350	16975	495.58	20649
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8348	8995.1	168.13	7005	
Total Regional Availability(Gross)		78288	48750	34604	929.00	38708

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8487	621	61.00	2536
State Control Area Hydro	7468	1902	918	34.32	1495
Total Regional Hydro	19702	10390	1539	95.32	4031

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	8844	275	204	13.97	582
Total Regional Renewable	8874	275	204	14.11	588

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	100	100	250	0.65	2.24	-1.59
765 KV Gwalior-Agra (D/C)	1512	2080	2396	0	47.83	0.00	47.83
400 KV Zerda-Kankroli	-189	-173	0	257	0.00	3.72	-3.72
400 KV Zerda-Bhinmal	-89	-82	69	186	0.00	1.68	-1.68
220 KV Auraja-Malanpur	-88	-67	0	255	0.00	2.88	-2.88
220 KV Badod-Kota/Morak	-91	-10	18	0	0.00	0.49	-0.49
Mundra-Mohindergarh(HVDC Bipole)	698	502	704	0	15.91	0.00	15.91
400 KV RAPPCC-Sujalpur	216	200	373	0	4.72	0.00	4.72
400 KV Vindhychal-Rihand	949	710	0	975	0.00	22.14	-22.14
765 kV Phagi-Gwalior (D/C)	952	1142	1374	0	28.53	0.00	28.53
+/- 800 kV HVDC Champa-Kurushetra	2500	2500	2500	0	60.08	0	60.08
Sub Total WR	6120	6902			157.72	33.15	124.57
400 kV Sasaram - Varanasi	165	165	180	0	3.75	0.00	3.75
400 kV Sasaram - Allahabad	74	81	122	0	2.11	0.00	2.11
400 KV MZP- GKP (D/C)	279	218	584	0	8.14	0.00	8.14
400 KV Patna-Balia(D/C) X 2	726	549	1179	0	19.13	0.00	19.13
400 KV B'Sharif-Balia (D/C)	111	109	250	0	4.02	0.00	4.02
765 KV Gaya-Balia	137	138	228	0	4.17	0.00	4.17
765 KV Gaya-Varanasi (D/C)	220	161	607	0	7.75	0.00	7.75
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-60	-79	160	79	0.65	0.00	0.65
400 KV Mothari -GKP (D/C)	92	242	326	0	4.76	0.00	4.76
400 kV B'Sharif - Varanasi (D/C)	-16	9	232	42	1.72	0.00	1.72
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1728	1593			56.20	0.52	55.67
+/- 800 KV HVDC BiswanathChariali-Agra	500	500	0	500.00	0.00	12.11	-12.11
Sub Total NER	500	500			0.00	12.11	-12.11
Total IR Exch	8348	8995			213.91	45.78	168.13

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
47.45	0.30	47.75	-3.50	-31.34	6.69	-1.49	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
50.95	120.44	171.38	43.56	124.57	168.13	-7.38	4.13	-3.25

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	-38	-21	0	-38	0	-1	0.76

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	0.30	9.25	62.70	78.97	9.78	2.23	0.00	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	Index		(Hz)	(Hz)	
50.18	13.02	49.73	6.41	49.98	0.039	0.060	50.12	49.89	21.03

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	407	21:57	399	7:06	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	23:26	396	10:39	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	3:59	382	6:55	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	0:42	404	7:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	4:00	407	7:06	0.0	0.0	33.8	0.0	33.8
Ballabgarh	400	425	3:59	401	6:58	0.0	0.0	25.7	0.0	25.7
Bawana	400	427	3:59	404	7:13	0.0	0.0	39.6	0.0	39.6
Bassi	400	427	4:02	140	11:39	0.0	0.0	9.4	0.0	9.5
Hissar	400	421	4:01	397	7:07	0.0	0.0	0.4	0.0	0.4
Moga	400	420	3:58	402	7:09	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	424	3:02	404	6:57	0.0	0.0	27.6	0.0	27.6
Nalagarh	400	429	3:59	408	7:13	0.0	0.0	51.5	0.0	51.5
Kishenpur	400	419	1:12	404	7:13	0.0	0.0	0.0	0.0	0.0
Wagoora	400	396	1:12	383	10:35	0.0	58.3	0.0	0.0	0.0
Amritsar	400	426	1:52	409	7:09	0.0	0.0	39.5	0.0	39.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	420	3:59	402	7:18	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	420	4:01	394	7:15	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	0:45	738	7:37	0.0	3.0	0.0	0.0	0.0
Balia	765	786	23:46	759	10:41	0.0	0.0	0.0	0.0	0.0
Moga	765	802	13:02	756	7:09	0.0	0.0	0.7	0.0	0.7
Agra	765	797	13:05	758	7:07	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	807	13:04	767	7:07	0.0	0.0	23.1	0.0	23.1
Unnao	765	773	3:01	745	10:09	0.0	0.0	0.0	0.0	0.0
Lucknow	765	794	3:59	762	10:06	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	13:08	765	7:09	0.0	0.0	28.9	0.0	28.9
Jhatikara	765	809	3:59	767	7:07	0.0	0.0	26.3	0.0	26.3
Bareilly 765 kV	765	798	3:26	764	10:05	0.0	0.0	0.0	0.0	0.0
Anta	765	800	4:00	760	6:57	0.0	0.0	0.0	0.0	0.0
Phagi	765	808	4:03	755	6:57	0.0	0.0	4.1	0.0	4.1

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	492.28	808.03	482.63	519.70	169.45	439.68
Pong	426.72	384.05	406.22	379.44	405.12	344.07	38.14	351.86
Tehri	829.79	740.04	796.20	547.84	796.00	544.69	39.18	193.00
Koteshwar	612.50	598.50	610.30	4.69	609.30	4.21	193.00	200.40
Chamera-I	760.00	748.75	756.74	0.00	0.00	0.00	38.01	48.56
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	497.08	2.42	503.37	1.72	50.18	102.32

* 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	-1483	-51	0	-1483	-358	0	-36.58	-5.12	-41.71
Delhi	-890	-324	0	-745	-175	0	-19.26	-1.87	-21.13
Haryana	-494	155	0	-637	120	0	-20.46	0.41	-20.05
HP	410	105	0	391	-60	0	12.71	-0.88	11.83
J&K	797	98	0	797	200	0	18.77	3.83	22.60
CHD	-31	0	0	-31	0	0	-0.37	-0.04	-0.41
Rajasthan	-96	144	0	-96	27	0	-0.74	4.17	3.43
UP	48	-71	0	72	-66	0	0.84	-1.62	-0.78
Uttarakhand	410	134	0	410	366	0	9.96	6.96	16.93
Total	-1329	189	0	-1322	54	0	-35.12	5.84	-29.27

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1473	-1586	-51	-665	0	0
Delhi	-598	-910	384	-331	0	0
Haryana	-473	-1333	165	-991	0	0
HP	805	261	247	-594	0	0
J&K	797	768	459	-404	0	0
CHD	0	-31	19	-41	0	0
Rajasthan	61	-96	1729	-152	0	0
UP	80	-61	-66	-71	0	0
Uttarakhand	467	410	554	87	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%
----------------	-------

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	1	17
Haryana	2	16
Rajasthan	4	31
Delhi	2	20
UP	2	30
Uttarakhand	2	19
HP	3	21
J & K	2	24
Chandigarh	5	38

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.01.2018 :

XVI. Synchronisation of new generating units :

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

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 : 29.01.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER