

पॉवर सिस्टम ऑपरेशन कापोरेशन लिमिटेड

(भारत सरकार का उद्योग)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GH188682

Power Supply Position in Northern Region for 31.12.2017
Date of Reporting : 01.01.2018



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
41700	1003	42703	49.95	30456	306	30762	50.02	863.89	12.75

* 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	56.94	10.68	0.00	0.06	0.00	0.14	67.82	35.54	35.77	0.23	103.59	0.00
Haryana	52.91	0.09	0.00	0.00	0.00	0.00	53.00	59.59	59.59	0.00	112.59	1.51
Rajasthan	120.77	4.05	1.93	0.00	5.73	5.30	137.78	65.82	66.55	0.73	204.32	0.00
Delhi	0.01	0.00	11.82	0.00	0.00	0.00	11.83	49.40	48.29	-1.12	60.11	0.00
UP	156.75	5.07	0.00	0.00	0.00	21.60	183.42	90.28	90.56	0.28	273.98	0.35
Uttarakhand	0.00	10.00	2.15	0.51	0.00	0.00	12.66	20.99	21.46	0.48	34.12	0.00
HP	0.00	2.99	0.00	0.00	0.00	1.66	4.66	21.21	21.34	0.13	26.00	0.00
J & K	0.00	4.73	0.00	0.00	0.00	0.00	4.73	43.22	41.42	-1.80	46.15	10.89
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	3.03	-0.21	3.03	0.00
Total	387.39	37.60	15.91	0.56	5.73	28.70	475.89	389.27	388.00	-1.27	863.89	12.75

* 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	4864	0	69	-1419	3094	0	66	-807	5599	9	0
Haryana	5804	0	-66	-1082	3999	0	56	-777	6119	7	0
Rajasthan	8969	0	-20	-1011	7916	0	8	144	10446	9	0
Delhi	2978	0	-161	-700	1457	0	8	-1194	3664	12	0
UP	13770	460	-361	-173	10142	0	-20	-7	14129	18	560
Uttarakhand	1721	0	-88	451	1194	0	36	328	1919	8	0
HP	1268	0	-84	456	840	0	18	494	1464	10	0
J&K	2171	543	-62	1040	1733	306	-99	912	2196	20	549
Chandigarh	155	0	-18	-1	81	0	2	-31	184	9	0
Total	41700	1003	-791	-2439	30456	306	75	-938	41700	19	1003

* 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	1715	1841	1243	38.91	1621	38.18		0.73
Rihand I STPS (2*500)	1000	851	959	663	19.68	820	19.87		-0.20
Rihand II STPS (2*500)	1000	943	1011	902	22.11	921	21.91		0.19
Rihand III STPS (2*500)	1000	943	1001	912	21.84	910	21.56		0.27
Dadri I STPS (4*210)	840	769	439	422	11.47	478	11.62		-0.16
Dadri II STPS (2*490)	980	929	708	494	15.28	637	15.96		-0.67
Unchahar I TPS (2*210)	420	350	289	234	6.20	258	6.36		-0.16
Unchahar II TPS (2*210)	420	383	243	229	6.28	262	6.63		-0.35
Unchahar III TPS (1*210)	210	192	137	116	3.18	133	3.27		-0.09
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajhari) (3*500)	1500	1094	1035	862	21.08	879	20.88		0.21
Dadri GPS (4*130.19+2*154.51)	830	839	114	114	3.19	133	3.27		-0.08
Anta GPS (3*88.7+1*153.2)	419	418	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	633	0	0	0.00	0	0.00		0.00
Dadri Solar(5)	5	0	0	0	0.01	0	0.01		0.00
Unchahar Solar(10)	10	1	0	0	0.01	1	0.02		0.00
Singrauli Solar(15)	15	2	0	0	0.04	2	0.05		-0.01
KHEP(4*200)	800	792	652	0	2.58	108	2.38		0.20
Sub Total (A)	12612	10851	8429	6190	172	7161	172		-0.11
B. NPC									
NAPS (2*220)	440	412	448	456	9.94	414	9.85		0.08
RAPS- B (2*220)	440	194	215	217	4.59	191	4.66		-0.06
RAPS- C (2*220)	440	415	462	462	10.10	421	9.96		0.14
Sub Total (B)	1320	1021	1125	1135	24.63	1026	24.47		0.16
C. NHPC									
Chamera I HPS (3*180)	540	534	233	0	1.80	75	1.60		0.20
Chamera II HPS (3*100)	300	276	203	0	1.27	53	1.05		0.22
Chamera III HPS (3*77)	231	228	63	0	0.77	32	0.69		0.08
Bairasuli HPS(3*60)	180	59	121	0	0.46	19	0.36		0.10
Salal-HPS (6*115)	690	96	328	30	2.44	102	2.32		0.12
Tanakpur-HPS (3*31.4)	94	24	31	25	0.61	25	0.57		0.04
Uri-I HPS (4*120)	480	81	251	40	2.23	93	1.95		0.28
Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00		0.00
Dhauliganga-HPS (4*70)	280	43	209	0	0.95	40	0.91		0.04
Dulhasi-HPS (3*130)	390	257	261	0	2.65	111	2.50		0.15
Sewa-II HPS (3*40)	120	119	117	0	0.35	15	0.36		0.00
Parbati 3 (4*130)	520	16	131	0	0.41	17	0.39		0.02
Sub Total (C)	4065	1732	1948	95	14	581	13		1.26
D. SJVNL									
NJPC (6*250)	1500	1497	1340	0	6.81	284	6.70		0.11
Rampur HEP (6*68.67)	412	412	296	0	1.89	79	1.87		0.02
Sub Total (D)	1912	1910	1636	0	8.71	363	8.57		0.14
E. THDC									
Tehri HPS (4*250)	1000	988	968	0	10.03	418	9.80		0.23
Koteswar HPS (4*100)	400	144	391	92	3.49	146	3.45		0.04
Sub Total (E)	1400	1132	1359	92	13.52	564	13.25		0.27
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	756	1205	432	18.20	758	18.14		0.06
Dehar HPS (6*165)	990	112	495	0	2.83	118	2.68		0.15
Pong HPS (6*66)	396	260	330	0	6.26	261	6.24		0.02
Sub Total (F)	2765	1127	2030	432	27.29	1137	27.06		0.23
G. IPP(s)/JV(s)									
Allain DuhanganHPS(IPP) (2*96)	192	0	110	0	0.39	16	0.36		0.03
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	775	0	3.82	159	3.79		0.03
Malana Stg-II HPS (2*50)	100	0	0	0	0.23	10	0.22		0.01
Shree Cement TPS (2*150)	300	0	145	88	3.01	126	3.14		-0.12
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.18		-0.18
Sainj HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.37		0.00
Sub Total (G)	1762	0	1031	88	7.45	310	7.68		-0.23
H. Total Regional Entities (A-G)	25837	17773	17557	8032	267.40	11142	265.69		1.71

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	0	0	0.14	6
	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	0	0	0.21	9
	Goindwal(GVK) (2*270)	540	145	145	4.41	184
	Rajpura (2*700)	1400	1320	660	25.37	1057
	Talwandi Saboo (3*660)	1980	924	924	26.80	1117
	Thermal (Total)	6560	2389	1729	56.94	2373
	Total Hydro	1000	627	208	10.68	445
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.14	6
	Solar	859	0	0	0.06	2
	Renewable(Total)	1162	0	0	0.19	8
	Total Punjab	8722	3016	1937	67.82	2826
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	507	473	10.91	454
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khedar) (IPP) (2*600)		1200	876	767	18.67	778
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1223	740	23.34	973
Thermal (Total)		4497	2606	1980	52.91	2205
Total Hydro		62	3	5	0.09	4
Wind Power		0	0	0	0.00	0
Biomass		106	0	0	0.00	0
Solar		50	0	0	0.00	0
Renewable(Total)		156	0	0	0.00	0
Total Haryana		4715	2609	1985	53.00	2208
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	918	914	22.37
	suratgarh TPS (6*250)	1500	353	356	9.48	395
	Chabra TPS (4*250)	1000	610	659	15.01	625
	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	86	89	1.93	80
	RAPS A (NPC) (1*100+1*200)	300	210	220	4.66	194
	Barsingar (NLC) (2*125)	250	223	138	5.50	229
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwst LTPS (IPP) (8*135)	1080	842	840	18.27	761
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalsindh Thermal(2*600)	1200	900	831	23.19	966
	Kawal(Adani) (2*660)	1320	1193	1196	26.96	1123
	Thermal (Total)	9536	5335	5243	127.36	5307
	Total Hydro	550	124	226	4.05	169
	Wind power	4292	493	144	5.73	239
	Biomass	102	27	27	0.64	27
	Solar	1995	0	0	0.00	0
	Renewable/Others (Total)	6389	520	171	6.37	265
	Total Rajasthan	16475	5979	5640	137.78	5741
UP	Anpara TPS (3*210+2*500)	1630	1068	1044	26.62	1109
	Obra TPS (2*50+2*94+5*200)	1194	439	394	10.24	427
	Paricha TPS (2*110+2*220+2*250)	1160	612	439	11.89	495
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaqanj TPS (1*60+1*105+2*250)	665	446	314	9.24	385
	Tanda TPS (NTPC) (4*110)	440	397	270	2.56	107
	Roza TPS (IPP) (4*300)	1200	755	751	18.23	759
	Anpara-C (IPP) (2*600)	1200	786	731	18.34	764
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	320	331	8.00	333
	Lalitpur TPS(3*660)	1980	1845	1117	33.74	1406
	Bara(2*660)	1320	749	741	17.89	745
	Thermal (Total)	12449	7417	6132	156.75	6531
	Vishnuparvag_HPS (IPP)(4*110)	440	82	82	1.95	81
	Alaknanda(4*82.5)	330	82	0	1.47	61
	Other Hydro	527	28	28	1.66	69
	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	0.00	0
Renewable(Total)	128	0	0	0.00	0	
Total UP	14855	8509	7142	183.42	7643	
Uttarakhand	Other Hydro	1250	670	295	10.00	417
	Total Gas	450	97	82	2.15	90
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.51	21
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.51	21
	Total Uttarakhand	2107	767	377	12.66	527
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	37	0.94	39
	Pragati Gas Turbine (2x104+ 1x122)	330	161	276	4.89	204
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.00	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	449	563	11.83	493
	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	449	563	11.83	493	

HP	Baspa HPS (IPP) (3*100)	300	30	0	1.04	43
	Malana HPS (IPP) (2*43)	86	44	0	0.22	9
	Other Hydro (>25MW)	372	94	29	1.73	72
	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	111	47	1.66	69
	Renewable(Total)	486	111	47	1.66	69
	Total HP	1244	279	76	4.66	194
	Total J & K	1398	234	179	5	197
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	148	148	3.55	148
	Other Hydro/IPP(including 98 MW Small Hydro)	308	86	31	1.18	49
	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	234	179	5	197
	Total State Control Area Generation	52451	21842	17899	475.89	19829
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]						
Total Regional Availability(Gross)	78288	43573	32029	893.73	37239	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8510	619	70.47	2936
State Control Area Hydro	7468	2226	1181	37.60	1747
Total Regional Hydro	19702	10736	1800	108.07	4683

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.06	3
State Control Area Renewable	8844	631	218	8.73	364
Total Regional Renewable	8874	631	218	8.80	366

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	-50	0	250	0.00	4.86	-4.86
765 KV Gwalior-Agra (D/C)	1159	1471	2475	0	36.95	0.00	36.95
400 KV Zerda-Kankroli	-226	-128	0	239	0.00	3.28	-3.28
400 KV Zerda-Bhimmal	-163	-38	120	204	0.00	0.77	-0.77
220 KV Auraiya-Malanpur	-81	-65	0	154	0.00	2.28	-2.28
220 KV Badod-Kota/Morak	-102	-35	22	144	0.00	2.21	-2.21
Mundra-Mohindergarh(HVDC Bipole)	1498	1499	1505	0	35.94	0.00	35.94
400 KV RAPPCC-Sujalpur	53	90	268	0	3.75	0.00	3.75
400 KV Vindhychal-Rihand	-955	-872	0	963	0.00	21.98	-21.98
765 kv Phagi-Gwalior (D/C)	406	777	1043	0	20.08	0.00	20.08
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	1500	0	32.79	0	32.79
Sub Total WR	2339	4149			129.52	35.38	94.14
400 kV Sasaram - Varanasi	0	31	46	0	0.37	0.00	0.37
400 kV Sasaram - Allahabad	0	-26	0	42	0.00	0.40	-0.40
400 kV MZP- GKP (D/C)	285	296	633	0	8.94	0.00	8.94
400 kV Patna-Balia(D/C) X 2	799	757	1138	0	20.23	0.00	20.23
400 kV B'Sharif-Balia (D/C)	141	103	324	0	4.14	0.00	4.14
765 KV Gaya-Balia	158	159	324	0	5.09	0.00	5.09
765 KV Gaya-Varanasi (D/C)	242	147	527	0	6.67	0.00	6.67
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	0.00	0.00
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-70	28	189	92	1.13	0.00	1.13
400 kV Motihari -GKP (D/C)	-260	-146	0	260	0.00	5.41	-5.41
400 kV B'Sharif - Varanasi (D/C)	-60	0	215	46	1.58	0.00	1.58
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1235	1349			48.15	5.81	42.34
+/- 800 KV HVDC BiswanathChariali-Agra	600	600	700	0.00	13.97	0.00	13.97
Sub Total NER	600	600			13.97	0.00	13.97
Total IR Exch	4174	6098			191.64	41.19	150.45

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
44.42	0.28	44.70	-1.36	-41.36	-8.71	4.56	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
34.64	123.19	157.83	56.31	94.14	150.45	21.68	-29.05	-7.37

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	-37	-23	0	40	0	1	-0.77

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	0.17	6.53	50.05	76.74	13.99	3.18	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	12.01	49.78	19.22	50.00	0.036	0.060	50.10	49.90	23.26

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	403	2:56	397	8:39	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	0:02	399	19:33	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	3:01	405	11:22	0.0	0.0	0.0	0.0	0.0
Kanpur	400	423	0:54	410	22:06	0.0	0.0	10.8	0.0	10.8
Dadri	400	426	4:01	412	11:22	0.0	0.0	33.7	0.0	33.7
Balabgarh	400	424	20:55	408	8:16	0.0	0.0	22.4	0.0	22.4
Bawana	400	426	0:56	412	11:11	0.0	0.0	39.8	0.0	39.8
Bassi	400	425	20:58	396	7:37	0.0	0.0	7.9	0.0	7.9
Hissar	400	420	20:56	401	7:25	0.0	0.0	0.0	0.0	0.0
Moga	400	420	19:41	403	7:26	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	20:56	413	7:19	0.0	0.0	43.6	0.0	43.6
Nalagarh	400	432	20:55	415	7:24	0.0	0.0	63.3	2.2	63.3
Kishenpur	400	420	1:02	406	8:39	0.0	0.0	0.0	0.0	0.0
Wagoora	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Amritsar	400	426	2:26	408	11:22	0.0	0.0	29.3	0.0	29.3
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	413	0:00	413	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	20:31	397	11:12	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	784	0:53	760	8:17	0.0	0.0	0.0	0.0	0.0
Balia	765	791	0:56	764	12:06	0.0	0.0	0.0	0.0	0.0
Moga	765	801	19:41	759	8:15	0.0	0.0	0.0	0.0	0.0
Agra	765	798	4:02	770	8:21	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	16:40	773	7:31	0.0	0.0	6.2	0.0	6.2
Unnao	765	789	3:01	755	11:27	0.0	0.0	0.0	0.0	0.0
Lucknow	765	796	0:54	770	11:31	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	17:02	776	8:18	0.0	0.0	19.2	0.0	19.2
Jhatikara	765	805	17:01	768	8:16	0.0	0.0	9.3	0.0	9.3
Bareilly 765 kV	765	798	0:52	773	11:25	0.0	0.0	0.0	0.0	0.0
Anta	765	790	5:02	762	7:21	0.0	0.0	0.0	0.0	0.0
Phagi	765	799	5:03	762	7:36	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	498.84	1053.16	488.14	680.71	192.27	525.45
Pong	426.72	384.05	410.06	494.27	407.93	425.81	79.46	407.93
Tehri	829.79	740.04	809.25	787.65	808.50	773.03	46.29	235.00
Koteshwar	612.50	598.50	610.45	4.80	610.19	4.69	235.00	230.65
Chamera-I	760.00	748.75	758.39	0.00	0.00	0.00	49.30	48.42
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	504.42	3.30	504.82	1.66	58.22	164.30

* 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	-807	0	0	-807	-613	0	-20.38	-2.83	-23.22
Delhi	-789	-404	0	-624	-76	0	-16.78	-3.53	-20.31
Haryana	-908	131	0	-909	-173	0	-27.64	-2.03	-29.67
HP	387	107	0	370	86	0	11.94	-1.38	10.56
J&K	785	127	0	785	255	0	18.49	2.60	21.09
CHD	-31	0	0	-31	29	0	-0.37	-0.28	-0.65
Rajasthan	-102	245	0	-102	-909	0	-0.60	3.39	2.79
UP	29	-36	0	-107	-66	0	-11.36	-1.52	-12.89
Uttarakhand	217	110	0	217	234	0	5.36	2.53	7.90
Total	-1218	280	0	-1208	-1232	0	-41.33	-3.05	-44.38

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-807	-909	0	-795	0	0
Delhi	-573	-789	429	-764	0	0
Haryana	-765	-1541	132	-1110	0	0
HP	664	368	107	-807	0	0
J&K	785	756	421	-398	0	0
CHD	0	-31	29	-92	0	0
Rajasthan	83	-102	1192	-1047	0	0
UP	29	-1142	-36	-72	0	0
Uttarakhand	247	217	355	-188	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	11
Rajasthan	0	11
Delhi	4	53
UP	0	9
Uttarakhand	1	21
HP	4	22
J & K	1	16
Chandigarh	4	27

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 31.12.2017 :****XVI. Synchronisation of new generating units :****XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

1. 315 MVA ICT-2 charged from 220kV side on Load at Muradnagar New (UPPCL) at 1706Hrs on 31.12.2017 .

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 : 31.12.2017

पारी प्रमारी अभिचंता / SHIFT CHARGE ENGINEER