

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.12.2017
Date of Reporting : 27.12.2017



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
45360	678	46038	50.03	31523	296	31819	49.98	920.69	15.95

*Half hourly five 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	53.04	10.76	0.00	0.08	0.00	0.14	64.02	44.65	45.10	0.44	109.11	0.00
Haryana	67.71	0.08	0.00	0.00	0.00	0.00	67.79	56.24	57.44	1.20	125.23	0.81
Rajasthan	121.46	4.98	2.11	2.22	4.91	4.94	140.62	72.77	76.76	3.99	217.38	3.06
Delhi	-0.01	0.00	13.41	0.00	0.00	0.00	13.41	52.27	51.10	-1.17	64.51	0.01
UP	175.89	7.36	0.00	0.00	0.00	20.40	203.65	87.12	88.20	1.08	291.85	1.23
Uttarakhand	0.00	10.48	1.52	0.45	0.00	0.00	12.45	23.06	23.54	0.49	35.99	0.00
HP	0.00	3.29	0.00	0.00	0.00	1.63	4.93	21.91	22.32	0.42	27.25	0.00
J & K	0.00	6.78	0.00	0.00	0.00	0.00	6.78	38.99	39.19	0.20	45.97	10.84
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.40	-0.14	3.40	0.00
Total	418.09	43.73	17.04	2.75	4.91	27.11	513.64	400.54	407.05	6.51	920.69	15.95

* 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	5976	0	-5	-464	3569	0	45	-758	5976	19	0
Haryana	6423	0	46	-893	4189	0	64	-740	6898	7	0
Rajasthan	9895	0	460	-355	8092	0	196	263	10944	8	428
Delhi	3222	0	-144	-534	1516	0	-23	-1031	3791	11	0
UP	14153	120	-68	-187	10416	0	-43	2	14188	20	0
Uttarakhand	1891	0	68	614	1168	0	19	259	2003	9	0
HP	1384	0	-61	421	815	0	-54	491	1500	9	0
J&K	2234	558	209	903	1678	296	-171	837	2234	19	558
Chandigarh	182	0	-15	8	80	0	2	-31	208	9	0
Total	45360	678	491	-486	31523	296	35	-707	45360	19	678

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

III. Regional Entities :

Region/Entity	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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1520	1633	1159	36.00	1500	35.27	0.73
	Rihand I STPS (2*500)	1000	650	708	701	15.82	659	15.54	0.29
	Rihand II STPS (2*500)	1000	943	988	942	22.53	939	22.38	0.15
	Rihand III STPS (2*500)	1000	943	992	892	22.60	942	22.20	0.40
	Dadri I STPS (4*210)	840	769	715	415	11.31	471	12.23	-0.92
	Dadri II STPS (2*490)	980	929	793	531	16.36	682	17.72	-1.36
	Unchahar I TPS (2*210)	420	350	364	234	7.14	298	7.32	-0.18
	Unchahar II TPS (2*210)	420	383	402	241	7.55	314	7.70	-0.15
	Unchahar III TPS (1*210)	210	192	193	117	3.76	157	3.91	-0.15
	Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00
	I-STPP (Jhajjar) (3*500)	1500	1017	1193	884	21.90	913	22.03	-0.13
	Dadri GPS (4*130.19+2*154.51)	830	836	176	117	3.44	143	3.55	-0.11
	Anta GPS (3*88.71+1*153.2)	419	418	0	0	0.00	0	0.00	0.00
	Auraya GPS (4*111.19+2*109.30)	663	617	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.01	1	0.01	0.00
	Unchahar Solar(10)	10	2	0	0	0.00	0	0.04	-0.04
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	KHEP(4*200)	800	792	870	168	2.62	109	2.38	0.24
	Sub Total (A)	12612	10361	9027	6401	171	7129	172	-1.26
	B. NPC	NAPS (2*220)	440	415	449	456	9.89	412	9.92
RAPS- B (2*220)		440	190	216	219	4.62	192	4.56	0.06
RAPS- C (2*220)		440	412	459	461	10.07	419	9.89	0.18
Sub Total (B)	1320	1017	1124	1136	24.58	1024	24.37	0.21	
C. NHPC	Chamera I HPS (3*180)	540	534	368	0	1.77	74	1.60	0.17
	Chamera II HPS (3*100)	300	198	204	0	1.32	55	1.20	0.12
	Chamera III HPS (3*77)	231	228	75	0	0.79	33	0.70	0.09
	Bairasuli HPS(3*60)	180	59	123	0	0.48	20	0.36	0.13
	Salal-HPS (6*115)	690	169	345	235	4.66	194	4.05	0.61
	Tanakpur-HPS (3*31.4)	94	20	33	26	0.52	22	0.49	0.04
	Uri-I HPS (4*120)	480	94	248	60	2.46	102	2.26	0.20
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	42	210	0	1.06	44	1.01	0.05
	Dulhasti-HPS (3*130)	390	257	262	0	3.06	128	2.90	0.16
	Sewa-II HPS (3*40)	120	79	78	0	0.39	16	0.40	-0.01
	Parbati 3 (4*130)	520	86	128	0	0.61	26	0.58	0.04
	Sub Total (C)	4065	1765	2074	321	17	714	16	1.59
	D. SJVNL	NJPC (6*250)	1500	1499	1494	0	6.96	290	6.80
Rampur HEP (6*68.67)		412	412	410	0	1.93	80	1.90	0.03
Sub Total (D)		1912	1911	1904	0	8.89	370	8.70	0.19
E. THDC	Tehri HPS (4*250)	1000	988	949	0	10.40	433	10.42	-0.02
	Koteswar HPS (4*100)	400	150	394	91	3.66	152	3.59	0.07
Sub Total (E)	1400	1138	1343	91	14.06	586	14.01	0.05	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	756	1217	430	18.14	756	18.14	0.00
	Dehar HPS (6*165)	990	110	495	0	2.79	116	2.64	0.15
	Pong HPS (6*66)	396	259	396	66	6.22	259	6.22	-0.01
Sub Total (F)	2765	1125	2108	496	27.14	1131	27.00	0.14	
G. IPP(s)/JV(s)	Altair DuhanganHPS(IPP) (2*96)	192	0	74	0	0.43	18	0.41	0.02
	Karcham Wanjoo HPS(IPP) (4*250)	1000	0	775	0	3.85	161	3.79	0.06
	Malana Stg-II HPS (2*50)	100	0	0	0	0.15	6	0.14	0.01
	Shree Cement TPS (2*150)	300	0	146	90	3.00	125	3.13	-0.12
	Budhil HPS(IPP) (2*35)	70	0	0	30	0.23	10	0.18	0.05
	Sainji HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.37	0.00
Sub Total (G)	1762	0	996	119	7.66	319	7.65	0.01	
H. Total Regional Entities (A-G)	25837	17317	18576	8564	270.56	11273	269.62	0.94	

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	180	85	2.20	92	
	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	-0.09	-4	
	Goindwal(GVK) (2*270)	540	215	246	5.45	227	
	Rajpura (2*700)	1400	1320	660	20.64	860	
	Talwandi Saboo (3*660)	1980	1127	916	24.86	1036	
	Thermal (Total)	6560	2842	1907	53.04	2210	
	Total Hydro	1000	466	233	10.76	448	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	0.14	6	
	Solar	859	0	0	0.08	3	
	Renewable(Total)	1162	0	0	0.22	9	
	Total Punjab	8722	3308	2140	64.02	2667	
	Haryana	Paripat TPS (2*210+2*250)	920	428	405	10.13	422
		DCRTPP (Yamuna nagar) (2*300)	600	550	443	11.17	465
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	980	758	20.99	875	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1240	736	25.42	1059	
Thermal (Total)		4497	3198	2342	67.71	2821	
Total Hydro		62	3	4	0.08	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	3201	2346	67.79	2825	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1142	939	25.59	1066
		suratgarh TPS (6*250)	1500	436	354	10.15	423
	Chabra TPS (4*250)	1000	453	455	10.51	438	
	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	84	87	2.11	88	
	RAPS A (NPC) (1*100+1*200)	300	185	264	4.46	186	
	Barsingsar (NLC) (2*125)	250	110	113	2.63	109	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	842	556	19.12	797	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1105	840	25.33	1056	
	Kawai(Adani) (2*660)	1320	1197	1191	28.13	1172	
	Thermal (Total)	9536	5554	4799	128.03	5335	
	Total Hydro	550	251	116	4.98	207	
	Wind power	4292	77	323	4.91	205	
	Biomass	102	20	20	0.48	20	
	Solar	1995	0	0	2.22	93	
	Renewable/Others (Total)	6389	97	343	7.61	317	
	Total Rajasthan	16475	5902	5258	140.62	5859	
UP	Anpara TPS (3*210+2*500)	1630	1310	1016	30.67	1278	
	Obra TPS (2*50+2*94+5*200)	1194	283	384	8.37	349	
	Paricha TPS (2*110+2*220+2*250)	1160	432	420	11.30	471	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	415	314	9.17	382	
	Tanda TPS (NTPC) (4*110)	440	370	295	8.13	339	
	Roza TPS (IPP) (4*300)	1200	737	751	18.98	791	
	Anpara-C (IPP) (2*600)	1200	1102	670	23.76	990	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	447	355	9.56	398	
	Lalitpur TPS(3*660)	1980	1610	1122	33.33	1389	
	Bara(2*660)	1320	1028	730	22.64	943	
	Thermal (Total)	12449	7734	6057	175.89	7329	
	Vishnuparvaq_HPS (IPP)(4*110)	440	87	85	2.04	85	
	Alakanada(4*82.5)	330	82	90	1.41	59	
	Other Hydro	527	276	58	3.91	163	
	Cogeneration	981	850	850	20.40	850	
	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	9029	7140	203.65	8485	
Uttarakhand	Other Hydro	1250	656	401	10.48	437	
	Total Gas	450	54	83	1.52	63	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.45	19	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.45	19	
Total Uttarakhand	2107	710	484	12.45	519		
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	40	40	0.93	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	262	268	6.46	269	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	247	252	6.02	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	549	560	13.41	559	
	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	549	560	13.41	559		

HP	Baspas HPS (IPP) (3*100)	300	0	0	1.05	44
		MW	MW	MW	MU	MU
	Malana HPS (IPP) (2*43)	86	40	0	0.18	8
	Other Hydro (>25MW)	372	113	58	2.07	86
	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	100	35	1.63	68
	Renewable(Total)	486	100	35	1.63	68
	Total HP	1244	253	93	4.93	205
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	148	294	5.31	221
	Other Hydro/IPP(including 98 MW Small Hydro)	308	68	49	1.47	61
	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	216	343	7	282
Total State Control Area Generation		52451	23169	18364	513.64	21402
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		5421	6611	6611	161.43	6726
Total Regional Availability(Gross)		78288	47165	33539	945.63	39401

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9148	1076	74.49	3094
State Control Area Hydro	7468	2344	1506	43.73	1972
Total Regional Hydro	19702	11493	2582	118.23	5067

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.09	4
State Control Area Renewable	8844	197	378	9.91	413
Total Regional Renewable	8874	197	378	10.00	417

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

Element	Peak(19:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-250	50	250	250	1.49	3.81	-2.32
765 KV Gwalior-Agra (D/C)	1976	1673	2622	0	44.14	0.00	44.14
400 KV Zerda-Kankroli	-56	-51	16	220	0.00	2.14	-2.14
400 KV Zerda-Bhinmal	69	29	118	138	0.35	0.00	0.35
220 KV Aurajya-Malanpur	-96	-84	0	140	0.00	2.44	-2.44
220 KV Badod-Kota/Morak	-75	-66	0	135	0.00	1.34	-1.34
Mundra-Mohindergarh(HVDC Bipole)	901	802	2007	0	27.11	0.00	27.11
400 KV RAPPCC-Sujalpur	258	146	324	0	4.34	0.00	4.34
400 KV Vindhychal-Rihand	-932	-850	0	992	0.00	22.84	-22.84
765 kV Phagi-Gwalior (D/C)	835	875	1230	0	21.88	0.00	21.88
+/- 800 kV HVDC Champa-Kurushetra	1000	2000	2000	0	37.64	0	37.64
Sub Total WR	3630	4524			136.95	32.57	104.38
400 kV Sasaram - Varanasi	152	166	174	0	3.37	0.00	3.37
400 kV Sasaram - Allahabad	-89	-75	122	24	1.94	0.00	1.94
400 kV MZP- GKP (D/C)	277	235	569	0	7.87	0.00	7.87
400 kV Patna-Balia(D/C) X 2	803	753	1048	0	20.32	0.00	20.32
400 kV B'Sharif-Balia (D/C)	0	78	184	0	2.30	0.00	2.30
765 KV Gaya-Balia	203	171	293	0	4.20	0.00	4.20
765 KV Gaya-Varanasi (D/C)	199	216	457	0	7.16	0.00	7.16
220 KV Pusauli-Sahupuri	147	102	144	0	2.98	0.00	2.98
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-37	-18	0	39	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-137	-113	79	151	0.00	1.31	-1.31
400 KV Motihari -GKP (D/C)	-246	-156	0	250	0.00	4.73	-4.73
400 kV B'Sharif - Varanasi (D/C)	19	28	159	68	0.69	0.00	0.69
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1291	1387			51.31	6.66	44.65
+/- 800 KV HVDC BiswanathChariali-Agra	500	700	700	0.00	12.40	0.00	12.40
Sub Total NER	500	700			12.40	0.00	12.40
Total IR Exch	5421	6611			200.66	39.23	161.43

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
46.49	0.41	46.90	-1.66	-36.29	1.97	8.47	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
47.20	122.55	169.75	57.05	104.38	161.43	9.85	-18.17	-8.32

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	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-17	-9	0	18	0	1	-0.78

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	0.06	9.13	57.43	77.78	11.74	1.41	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)	
50.15	12.02	49.79	16.13	49.98	0.040	0.061	50.07	49.85	22.22

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	406	2:01	400	22:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	2:27	398	17:22	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	4:00	402	4:52	0.0	0.0	0.0	0.0	0.0
Kanpur	400	424	2:32	410	17:53	0.0	0.0	16.0	0.0	16.0
Dadri	400	427	4:00	411	11:10	0.0	0.0	20.8	0.0	20.8
Ballabgarh	400	425	4:01	409	6:39	0.0	0.0	19.8	0.0	19.8
Bawana	400	426	4:00	411	7:15	0.0	0.0	25.7	0.0	25.7
Bassi	400	422	4:00	396	6:24	0.0	0.0	0.3	0.0	0.3
Hissar	400	417	4:00	401	6:26	0.0	0.0	0.0	0.0	0.0
Moga	400	419	13:00	403	7:24	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	429	13:03	412	7:23	0.0	0.0	42.8	0.0	42.8
Nalagarh	400	429	13:01	414	7:23	0.0	0.0	37.8	0.0	37.8
Kishenpur	400	417	0:15	402	11:18	0.0	0.0	0.0	0.0	0.0
Wagoora	400	402	0:14	378	11:20	2.2	68.0	0.0	0.0	2.2
Amritsar	400	424	13:01	411	17:55	0.0	0.0	5.0	0.0	5.0
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	412	23:44	398	14:52	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	23:52	763	18:14	0.0	0.0	0.0	0.0	0.0
Balia	765	791	1:07	758	17:23	0.0	0.0	0.0	0.0	0.0
Moga	765	801	13:00	761	7:25	0.0	0.0	0.2	0.0	0.2
Agra	765	797	13:01	766	6:24	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	4:00	779	6:21	0.0	0.0	0.6	0.0	0.6
Unnao	765	784	2:27	755	18:12	0.0	0.0	0.0	0.0	0.0
Lucknow	765	791	23:56	764	17:55	0.0	0.0	0.0	0.0	0.0
Meerut	765	807	13:00	776	6:27	0.0	0.0	8.6	0.0	8.6
Jhatikara	765	806	4:00	778	6:25	0.0	0.0	13.4	0.0	13.4
Bareilly 765 kV	765	801	4:00	768	18:12	0.0	0.0	0.1	0.0	0.1
Anta	765	789	4:00	763	6:24	0.0	0.0	0.0	0.0	0.0
Phagi	765	797	4:01	765	6:23	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	499.97	1088.42	489.42	719.44	135.47	515.03
Pong	426.72	384.05	410.93	524.54	408.71	454.47	79.83	401.99
Tehri	829.79	740.04	811.55	833.28	810.30	808.27	43.51	241.00
Koteshwar	612.50	598.50	610.43	4.79	610.54	4.84	241.00	241.62
Chamera-I	760.00	748.75	758.43	0.00	0.00	0.00	49.30	47.54
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	505.34	3.31	505.64	2.26	54.80	181.80

* 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	49	0	-513	49	0	-17.59	1.18	-16.42
Delhi	-805	-227	0	-633	99	0	-17.16	2.25	-14.91
Haryana	-892	153	0	-909	16	0	-27.45	0.44	-27.01
HP	387	104	0	369	52	0	11.95	-1.32	10.64
J&K	768	69	0	785	118	0	18.29	-0.09	18.20
CHD	-31	0	0	-31	39	0	-0.37	0.05	-0.31
Rajasthan	-8	271	0	-8	-347	0	1.64	5.43	7.08
UP	38	-36	0	-121	-66	0	-11.26	-1.52	-12.78
Uttarakhand	217	42	0	217	397	0	5.36	5.30	10.66
Total	-1132	425	0	-843	357	0	-36.57	11.72	-24.86

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-513	-909	49	49	0	0
Delhi	-583	-807	733	-429	0	0
Haryana	-763	-1541	153	-942	0	0
HP	665	369	104	-710	0	0
J&K	785	739	294	-505	0	0
CHD	0	-31	44	-41	0	0
Rajasthan	176	-8	799	-349	0	0
UP	38	-1146	-36	-72	0	0
Uttarakhand	247	217	506	11	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	14
Haryana	1	21
Rajasthan	2	21
Delhi	6	76
UP	1	16
Uttarakhand	5	29
HP	2	23
J & K	3	30
Chandigarh	4	33

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.12.2017 :

XVI. Synchronisation of new generating units :

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

315 MVA ICT-2 at Banala First time charged (on No-Load) from 400 kV side only at 17.02 Hrs (26/12/2017).

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 : 26.12.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER