

पाँवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.12.2017
Date of Reporting : 28.12.2017



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
45195	837	46031	49.99	31791	308	32099	50.01	921.57	14.66

* Half hourly (one 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	60.98	10.09	0.00	0.07	0.00	0.13	71.27	37.66	37.58	-0.08	108.84	0.00
Haryana	68.04	0.10	0.00	0.00	0.00	0.00	68.13	56.73	57.09	0.37	125.23	0.07
Rajasthan	121.66	4.24	2.01	0.00	3.04	5.08	136.03	75.73	78.28	2.56	214.31	3.15
Delhi	0.00	0.00	13.38	0.00	0.00	0.00	13.38	52.68	52.17	-0.50	65.55	0.02
UP	173.15	7.02	0.00	0.00	0.00	21.60	201.76	86.52	88.54	2.02	290.30	0.58
Uttarakhand	0.00	10.39	1.41	0.45	0.00	0.00	12.25	24.44	24.09	-0.34	36.35	0.00
HP	0.00	3.69	0.00	0.00	0.00	1.53	5.22	21.46	22.85	1.39	28.06	0.00
J & K	0.00	8.52	0.00	0.00	0.00	0.00	8.52	39.74	40.95	1.21	49.48	10.84
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53	3.45	-0.08	3.45	0.00
Total	423.83	44.03	16.81	0.52	3.04	28.33	516.56	398.47	405.01	6.54	921.57	14.66

* 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	5880	0	57	-909	3501	0	61	-807	5880	19	0
Haryana	6370	0	51	-809	4120	0	95	-770	6938	7	0
Rajasthan	9904	0	260	85	8262	0	208	234	10390	8	1245
Delhi	3334	0	-66	-539	1530	0	-16	-1111	3844	11	0
UP	14235	350	99	-187	10579	0	2	2	14287	18	310
Uttarakhand	1901	0	-35	616	1170	0	-14	367	2024	8	0
HP	1444	0	-16	423	800	0	-11	488	1519	9	0
J&K	1946	487	-26	863	1745	308	55	814	2191	20	548
Chandigarh	181	0	-13	8	83	0	5	-31	214	9	0
Total	45195	837	312	-447	31791	308	384	-811	45195	19	837

* 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	650	713	725	16.10	671	15.54	0.56	
Rihand II STPS (2*500)	1000	943	1003	919	22.58	941	22.32	0.26	
Rihand III STPS (2*500)	1000	943	1008	868	22.28	928	22.08	0.20	
Dadri I STPS (4*210)	840	769	661	472	10.65	444	11.76	-1.10	
Dadri II STPS (2*490)	980	929	789	541	16.24	677	17.57	-1.33	
Unchahar I TPS (2*210)	420	350	368	233	7.10	296	7.25	-0.15	
Unchahar II TPS (2*210)	420	383	393	257	7.71	321	7.66	0.05	
Unchahar III TPS (1*210)	210	192	204	117	3.73	155	3.86	-0.13	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	1000	1049	866	21.09	879	21.36	-0.27	
Dadri GPS (4*130.19+2*154.51)	830	836	116	113	3.38	141	3.52	-0.14	
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	0.02	0.00	
Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00	
Singrauli Solar(15)	15	3	0	0	0.06	3	0.06	0.00	
KHEP(4*200)	800	792	848	435	2.61	109	2.38	0.23	
Sub Total (A)	12612	10344	8803	7086	170	7090	171	-1.17	
B. NPC	NAPS (2*220)	440	414	454	450	9.89	412	9.90	-0.01
RAPS- B (2*220)	440	191	216	219	4.61	192	4.58	0.03	
RAPS- C (2*220)	440	416	462	460	10.05	419	9.98	0.07	
Sub Total (B)	1320	1021	1132	1129	24.56	1023	24.47	0.09	
C. NHPC	Chamera I HPS (3*180)	540	534	395	0	1.80	75	1.60	0.20
Chamera II HPS (3*100)	300	198	204	0	1.22	51	1.13	0.09	
Chamera III HPS (3*77)	231	228	101	0	0.80	34	0.70	0.10	
Bairasuli HPS(3*60)	180	59	122	0	0.50	21	0.36	0.15	
Salal-HPS (6*115)	690	105	345	115	3.01	125	2.53	0.48	
Tanakpur-HPS (3*31.4)	94	25	28	24	0.64	27	0.59	0.05	
Uri-I HPS (4*120)	480	91	126	64	2.29	95	2.19	0.10	
Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00	
Dhauliganga-HPS (4*70)	280	42	211	0	1.09	45	1.01	0.08	
Dulhasti-HPS (3*130)	390	257	256	0	3.19	133	3.00	0.19	
Sewa-II HPS (3*40)	120	79	79	0	0.42	18	0.40	0.02	
Parbati 3 (4*130)	520	16	130	0	0.40	17	0.39	0.02	
Sub Total (C)	4065	1633	1997	203	15	641	14	1.50	
D.SJVNL	NJPC (6*250)	1500	1497	1498	0	6.99	291	6.80	0.19
Rampur HEP (6*68.67)	412	412	410	0	1.97	82	1.90	0.07	
Sub Total (D)	1912	1910	1908	0	8.96	373	8.70	0.26	
E. THDC	Tehri HPS (4*250)	1000	988	968	0	10.52	439	10.42	0.10
Koteswar HPS (4*100)	400	150	398	91	3.67	153	3.59	0.08	
Sub Total (E)	1400	1138	1366	91	14.19	591	14.01	0.19	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	734	1216	430	17.66	736	17.62	0.04
Dehar HPS (6*165)	990	103	495	0	2.60	108	2.48	0.12	
Pong HPS (6*66)	396	299	396	66	7.18	299	7.17	0.01	
Sub Total (F)	2765	1136	2107	496	27.44	1143	27.27	0.17	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	73	0	0.43	18	0.40	0.02
Karcham Wantoo HPS(IPP) (4*250)	1000	0	825	0	0.00	0	3.79	-3.79	
Malana Stg-II HPS (2*50)	100	0	0	0	0.27	11	0.25	0.02	
Shree Cement TPS (2*150)	300	0	147	88	3.02	126	3.12	-0.10	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.15	6	0.18	-0.03	
Sainj HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.37	0.37	
Sub Total (G)	1762	0	1045	88	3.87	161	7.74	-3.88	
H. Total Regional Entities (A-G)	25837	17181	18358	9093	264.56	11023	267.40	-2.84	

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	175	175	4.13	172	
	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	-0.10	-4	
	Goindwal(GVK) (2*270)	540	246	145	4.85	202	
	Rajpura (2*700)	1400	1320	920	27.65	1152	
	Talwandi Saboo (3*660)	1980	1150	616	24.48	1020	
	Thermal (Total)	6560	2891	1856	60.98	2541	
	Total Hydro	1000	478	259	10.09	420	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	0.13	5	
	Solar	859	0	0	0.07	3	
	Renewable(Total)	1162	0	0	0.20	8	
	Total Punjab	8722	3369	2115	71.27	2969	
	Haryana	Paripat TPS (2*210+2*250)	920	411	406	10.12	422
		DCRTPP (Yamuna nagar) (2*300)	600	484	472	11.63	485
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (kheadar) (IPP) (2*600)		1200	815	771	21.21	884	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1179	742	25.07	1045	
Thermal (Total)		4497	2889	2391	68.04	2835	
Total Hydro		62	3	5	0.10	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	2892	2396	68.13	2839	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1143	916	25.49	1062
		suratgarh TPS (6*250)	1500	442	358	9.19	383
	Chabra TPS (4*250)	1000	449	414	9.28	387	
	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	88	2.01	84	
	RAPS A (NPC) (1*100+1*200)	300	189	230	4.44	185	
	Barsingsar (NLC) (2*125)	250	113	110	2.61	109	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	964	919	22.21	925	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1068	849	25.30	1054	
	Kawai(Adani) (2*660)	1320	1195	1195	27.59	1150	
	Thermal (Total)	9536	5647	5079	128.12	5338	
	Total Hydro	550	160	129	4.24	177	
	Wind power	4292	72	246	3.04	127	
	Biomass	102	26	26	0.63	26	
	Solar	1995	0	0	0.00	0	
	Renewable/Others (Total)	6389	98	272	3.67	153	
	Total Rajasthan	16475	5905	5480	136.03	5668	
UP	Anpara TPS (3*210+2*500)	1630	1328	946	29.17	1215	
	Obra TPS (2*50+2*94+5*200)	1194	284	264	6.67	278	
	Paricha TPS (2*110+2*220+2*250)	1160	432	433	11.16	465	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	424	316	9.18	382	
	Tanda TPS (NTPC) (4*110)	440	378	275	8.16	340	
	Roza TPS (IPP) (4*300)	1200	760	755	18.52	772	
	Anpara-C (IPP) (2*600)	1200	1101	675	25.41	1059	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	447	315	10.17	424	
	Lalitpur TPS(3*660)	1980	1598	1121	34.53	1439	
	Bara(2*660)	1320	892	738	20.19	841	
	Thermal (Total)	12449	7644	5838	173.15	7215	
	Vishnuparvaq_HPS (IPP)(4*110)	440	87	82	2.02	84	
	Alaknada(4*82.5)	330	82	82	1.46	61	
	Other Hydro	527	278	43	3.53	147	
	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	8991	6945	201.76	8407		
Uttarakhand	Other Hydro	1250	681	334	10.39	433	
	Total Gas	450	53	69	1.41	59	
	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	734	403	12.25	510		
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	37	40	0.93	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	264	270	6.45	269	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	250	6.00	250	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	553	561	13.38	558	
	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	553	561	13.38	558		

HP	Baspa HPS (IPP) (3*100)	300	0	0	1.35	56	
	Malana HPS (IPP) (2*43)	86	45	0	0.19	8	
	Other Hydro (>25MW)	372	114	74	2.15	89	
	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	90	45	1.53	64	
	Renewable(Total)	486	90	45	1.53	64	
	Total HP	1244	248	119	5.22	217	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	148	148	3.55	148
		Other Hydro/IPP(including 98 MW Small Hydro)	308	216	197	4.97	207
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	364	345	9	355		
Total State Control Area Generation		52451	23056	18363	516.56	21523	
J.Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			5677	6149.12	159.56	6648	
Total Regional Availability(Gross)		78288	47091	33605	940.68	39195	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9125	1225	69.43	2887
State Control Area Hydro	7468	2434	1467	44.03	1976
Total Regional Hydro	19702	11559	2691	113.46	4863

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	8844	188	317	5.85	244
Total Regional Renewable	8874	188	317	5.96	249

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	250	250	250	0.76	4.61	-3.85
765 KV Gwalior-Agra (D/C)	1403	1439	2541	0	39.05	0.00	39.05
400 KV Zerda-Kankroli	-149	-231	0	245	0.00	3.39	-3.39
400 KV Zerda-Bhimmal	-35	-153	90	172	0.00	0.75	-0.75
220 KV Aurajya-Malanpur	-127	-90	0	208	0.00	2.92	-2.92
220 KV Badod-Kota/Morak	-113	-76	0	10	0.00	1.82	-1.82
Mundra-Mohindergarh(HVDC Bipole)	1398	1399	1406	0	33.88	0.00	33.88
400 KV RAPPCC-Sujalpur	190	110	276	49	2.96	0.00	2.96
400 KV Vindhychal-Rihand	-950	-826	0	1001	0.00	22.52	-22.52
765 kV Phagi-Gwalior (D/C)	574	779	1097	0	20.40	0.00	20.40
+/- 800 kV HVDC Champa-Kurushetra	2000	2000	2000	0	45.85	0	45.85
Sub Total WR	3941	4601			142.90	36.01	106.90
400 kV Sasaram - Varanasi	-32	17	175	6	1.14	0.00	1.14
400 kV Sasaram - Allahabad	-31	-14	79	0	0.14	0.00	0.14
400 kV MZP- GKP (D/C)	310	246	556	0	7.46	0.00	7.46
400 kV Patna-Balia(D/C) X 2	935	698	1001	0	19.19	0.00	19.19
400 kV B'Sharif-Balia (D/C)	169	122	324	0	4.63	0.00	4.63
765 KV Gaya-Balia	199	191	241	0	4.91	0.00	4.91
765 KV Gaya-Varanasi (D/C)	-80	-195	366	38	4.83	0.00	4.83
220 KV Pusauli-Sahupuri	150	0	175	6	1.14	0.00	1.14
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-37	-34	0	-40	0.00	-0.79	0.79
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-63	-19	161	153	0.01	0.00	0.01
400 KV Motihari -GKP (D/C)	-280	-170	0	280	0.00	4.91	-4.91
400 kV B'Sharif - Varanasi (D/C)	-4	6	-135	74	0.57	0.00	0.57
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1236	848			44.02	4.12	39.90
+/- 800 KV HVDC BiswanathChariali-Agra	500	700	700	0.00	12.76	0.00	12.76
Sub Total NER	500	700			12.76	0.00	12.76
Total IR Exch	5677	6149			199.69	40.13	159.56

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	0.41	44.83	-1.86	-39.20	2.61	8.93	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
45.58	121.30	166.87	52.66	106.90	159.56	7.09	-14.40	-7.31

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	18	11	0	18	0	-1	0.80

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	0.24	13.07	60.06	72.89	12.72	1.91	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)	
50.17	5.02	49.77	11.11	49.98	0.047	0.065	50.09	49.85	27.11

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	4:00	399	9:22	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	3:59	398	17:27	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	3:59	393	14:44	0.0	0.0	0.0	0.0	0.0
Kanpur	400	424	4:00	409	11:11	0.0	0.0	12.2	0.0	12.2
Dadri	400	426	3:59	407	11:15	0.0	0.0	30.5	0.0	30.5
Ballabgarh	400	426	4:02	405	11:12	0.0	0.0	22.9	0.0	22.9
Bawana	400	426	4:02	406	12:14	0.0	0.0	34.1	0.0	34.1
Bassi	400	424	4:01	396	9:26	0.0	0.0	3.0	0.0	3.0
Hissar	400	418	4:01	400	11:11	0.0	0.0	0.0	0.0	0.0
Moga	400	421	20:23	401	11:11	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	426	21:31	409	11:13	0.0	0.0	15.8	0.0	15.8
Nalagarh	400	429	21:32	409	11:11	0.0	0.0	27.8	0.0	27.8
Kishenpur	400	421	20:23	393	15:45	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	20:12	363	15:43	27.1	53.9	0.0	0.0	27.1
Amritsar	400	424	4:01	404	11:12	0.0	0.0	13.9	0.0	13.9
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	417	4:01	393	12:18	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	786	4:02	757	11:11	0.0	0.0	0.0	0.0	0.0
Balia	765	796	4:25	750	18:09	0.0	0.0	0.0	0.0	0.0
Moga	765	802	20:23	763	6:27	0.0	0.0	0.3	0.0	0.3
Agra	765	800	4:02	765	9:27	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	4:00	776	11:20	0.0	0.0	6.3	0.0	6.3
Unnao	765	784	3:59	753	11:11	0.0	0.0	0.0	0.0	0.0
Lucknow	765	800	4:00	763	18:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	20:28	775	12:12	0.0	0.0	8.8	0.0	8.8
Jhatikara	765	809	4:02	775	11:12	0.0	0.0	12.4	0.0	12.4
Bareilly 765 kV	765	802	4:00	767	12:19	0.0	0.0	0.3	0.0	0.3
Anta	765	791	4:02	761	0:07	0.0	0.0	0.0	0.0	0.0
Phagi	765	799	4:02	767	6:22	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	499.75	1088.42	489.21	709.72	165.17	513.27
Pong	426.72	384.05	410.75	524.54	408.58	444.61	84.78	463.77
Tehri	829.79	740.04	811.10	824.28	809.95	801.29	46.98	244.00
Koteshwar	612.50	598.50	610.41	4.77	610.39	4.72	244.00	242.28
Chamera-I	760.00	748.75	758.39	0.00	0.00	0.00	45.89	48.53
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	505.22	2.52	505.49	2.42	46.54	153.85

* 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	-102	0	-20.38	-0.51	-20.89
Delhi	-805	-306	0	-655	116	0	-17.42	1.91	-15.50
Haryana	-908	139	0	-909	100	0	-27.64	1.18	-26.47
HP	387	102	0	370	53	0	11.95	-1.26	10.70
J&K	785	29	0	785	78	0	18.49	-0.08	18.41
CHD	-31	0	0	-31	39	0	-0.37	0.08	-0.28
Rajasthan	-8	242	0	-8	94	0	1.64	6.36	8.01
UP	38	-36	0	-121	-66	0	-11.26	-1.52	-12.78
Uttarakhand	217	150	0	217	399	0	5.36	6.66	12.02
Total	-1131	319	0	-1158	711	0	-39.62	12.82	-26.79

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-807	-909	0	-255	0	0
Delhi	-584	-825	653	-323	0	0
Haryana	-765	-1541	139	-774	0	0
HP	665	369	105	-700	0	0
J&K	785	756	235	-505	0	0
CHD	0	-31	49	-41	0	0
Rajasthan	176	-8	1137	-180	0	0
UP	38	-1151	-36	-72	0	0
Uttarakhand	247	217	530	80	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	2	17
Haryana	0	11
Rajasthan	2	18
Delhi	2	23
UP	1	15
Uttarakhand	1	19
HP	4	39
J & K	4	27
Chandigarh	4	36

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.12.2017 :

XVI. Synchronisation of new generating units :

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

1. 315 MVA ICT-1 at Dasna (UPPCL) S/S charged (on LOAD) from 220 kV side at 13.15 Hrs /27/12/2017
 2. 315 MVA ICT-3 at Ajmer (RRVPL) S/S charged (on No-LOAD) from 400 kV side at 18.35 Hrs /27/12/2017
 S/S charged at 18.02 Hrs /27/12/2017

3. Bay no. 201 of ICT-2 at Banala (PG)

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 : 27.12.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER