

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GH188682

Power Supply Position in Northern Region for 28.12.2017
Date of Reporting : 29.12.2017



I. Regional Availability/Demand:

Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
44779	887	45666	50.04	31573	307	31880	50.05	915.36	13.08

*Half hourly (over 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	61.11	10.76	0.00	0.05	0.00	0.10	72.01	35.43	35.82	0.39	107.83	0.00
Haryana	64.20	0.09	0.00	0.00	0.00	0.00	64.28	57.81	58.90	1.09	123.18	0.09
Rajasthan	121.76	4.42	2.14	0.18	8.96	4.99	142.45	69.88	72.22	2.34	214.67	1.28
Delhi	-0.01	0.00	13.36	0.00	0.00	0.00	13.35	51.98	52.16	0.19	65.52	0.00
UP	175.40	7.50	0.00	0.00	0.00	21.60	204.50	85.43	87.08	1.65	291.58	0.86
Uttarakhand	0.00	10.59	1.46	0.61	0.00	0.00	12.66	23.72	23.21	-0.51	35.86	0.00
HP	0.00	3.26	0.00	0.00	0.00	1.57	4.83	21.91	22.48	0.57	27.31	0.00
J & K	0.00	4.97	0.00	0.00	0.00	0.00	4.97	41.03	41.05	0.02	46.02	10.85
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50	3.40	-0.10	3.40	0.00
Total	422.46	41.58	16.96	0.83	8.96	28.26	519.05	390.69	396.31	5.62	915.36	13.08

* 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	5705	0	18	-1011	3122	0	93	-858	5705	19	0
Haryana	6410	0	94	-808	4082	0	32	-770	6647	7	0
Rajasthan	9567	0	-91	-607	8187	0	227	145	10931	8	501
Delhi	3343	0	-35	-454	1559	0	2	-1053	3716	12	0
UP	14233	360	-167	-187	10781	0	104	2	14292	18	470
Uttarakhand	1838	0	-11	596	1202	0	-62	375	1999	8	0
HP	1397	0	-60	433	819	0	6	492	1510	9	0
J&K	2107	527	12	1059	1739	307	16	873	2107	19	527
Chandigarh	179	0	-14	13	83	0	7	-31	207	9	0
Total	44779	887	-254	-965	31573	307	425	-823	44779	19	887

* STOA figures are at seller's 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	757	704	15.94	664	15.54	0.40	
Rihand II STPS (2*500)	1000	943	1006	905	22.39	933	22.35	0.04	
Rihand III STPS (2*500)	1000	776	968	854	17.89	746	17.93	-0.03	
Dadri I STPS (4*210)	840	769	602	461	12.04	502	11.98	0.06	
Dadri II STPS (2*490)	980	929	903	533	16.84	702	17.51	-0.67	
Unchahar I TPS (2*210)	420	350	326	227	6.69	279	6.95	-0.26	
Unchahar II TPS (2*210)	420	383	329	252	7.12	297	7.30	-0.18	
Unchahar III TPS (1*210)	210	192	161	117	3.54	148	3.63	-0.09	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	1028	1277	856	21.69	904	22.01	-0.32	
Dadri GPS (4*130.19+2*154.51)	830	830	167	113	3.39	141	3.52	-0.13	
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	0.02	1	0.01	0.00	
Unchahar Solar(10)	10	2	0	0	0.03	1	0.04	-0.01	
Singrauli Solar(15)	15	3	0	0	0.06	3	0.07	-0.01	
KHEP(4*200)	800	792	575	0	2.58	107	2.38	0.20	
Sub Total (A)	12612	10224	8769	6665	167	6973	168	-0.33	
B. NPC	NAPS (2*220)	440	414	449	452	9.91	413	9.90	0.01
RAPS- B (2*220)	440	192	216	218	4.60	192	4.61	0.00	
RAPS- C (2*220)	440	419	463	462	10.01	417	10.06	-0.05	
Sub Total (B)	1320	1025	1128	1132	24.52	1022	24.56	-0.04	
C. NHPC	Chamera I HPS (3*180)	540	534	386	0	1.77	74	1.60	0.17
Chamera II HPS (3*100)	300	198	201	0	1.25	52	1.15	0.10	
Chamera III HPS (3*77)	231	228	114	0	0.79	33	0.70	0.09	
Bairasuli HPS (3*60)	180	59	121	0	0.47	20	0.39	0.07	
Salal-HPS (6*115)	690	108	345	30	2.80	117	2.60	0.20	
Tanakpur-HPS (3*31.4)	94	25	28	29	0.62	26	0.60	0.02	
Uri-I HPS (4*120)	480	81	232	42	2.18	91	1.94	0.24	
Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00	
Dhauliganga-HPS (4*70)	280	38	216	0	0.95	40	0.90	0.05	
Dulhasti-HPS (3*130)	390	257	264	0	3.37	140	3.20	0.17	
Sewa-II HPS (3*40)	120	119	76	0	0.36	15	0.36	0.01	
Parbati 3 (4*130)	520	16	130	0	0.41	17	0.38	0.03	
Sub Total (C)	4065	1662	2113	101	15	624	14	1.15	
D. SJVNL	NJPC (6*250)	1500	1497	1510	0	6.97	290	6.80	0.17
Rampur HEP (6*68.67)	412	412	430	0	1.94	81	1.90	0.04	
Sub Total (D)	1912	1910	1940	0	8.91	371	8.70	0.21	
E. THDC	Tehri HPS (4*250)	1000	988	950	0	10.46	436	10.42	0.04
Koteswar HPS (4*100)	400	150	403	93	3.64	152	3.59	0.06	
Sub Total (E)	1400	1138	1353	93	14.10	588	14.01	0.09	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	746	1209	431	17.94	748	17.92	0.03
Dehar HPS (6*165)	990	112	495	0	2.86	119	2.68	0.18	
Pong HPS (6*66)	396	299	396	0	7.19	300	7.18	0.01	
Sub Total (F)	2765	1157	2100	431	27.99	1166	27.78	0.21	
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	3.80	158	3.79	0.01	
Malana Stg-II HPS (2*50)	100	0	0	0	0.24	10	0.23	0.02	
Shree Cement TPS (2*150)	300	0	144	89	3.05	127	3.12	-0.07	
Budhil HPS (IPP) (2*35)	70	0	0	0	0.18	7	0.18	0.00	
Sainji HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.00	0.00	
Sub Total (G)	1762	0	1043	89	7.70	321	7.72	-0.02	
H. Total Regional Entities (A-G)	25837	17115	18445	8511	265.55	11065	264.28	1.27	

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	0	0	-0.11	-4	
	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	-0.11	-5	
	Goindwal(GVK) (2*270)	540	246	145	4.89	204	
	Rajpura (2*700)	1400	1320	660	27.57	1149	
	Talwandi Saboo (3*660)	1980	1400	924	28.88	1203	
	Thermal (Total)	6560	2966	1729	61.11	2546	
	Total Hydro	1000	485	254	10.76	448	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	0.10	4	
	Solar	859	0	0	0.05	2	
	Renewable(Total)	1162	0	0	0.15	6	
	Total Punjab	8722	3451	1983	72.01	3001	
	Haryana	Paripat TPS (2*210+2*250)	920	199	406	5.98	249
		DCRTPP (Yamuna nagar) (2*300)	600	515	469	12.03	501
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	753	760	21.10	879	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1180	738	25.09	1045	
Thermal (Total)		4497	2647	2373	64.20	2675	
Total Hydro		62	4	3	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	2651	2376	64.28	2678	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	923	924	24.45	1019
		suratgarh TPS (6*250)	1500	358	362	9.46	394
	Chabra TPS (4*250)	1000	657	251	12.20	508	
	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	2.14	89	
	RAPS A (NPC) (1*100+1*200)	300	210	226	4.42	184	
	Barsingsar (NLC) (2*125)	250	111	113	2.63	110	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	961	960	20.88	870	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	963	999	24.14	1006	
	Kawai(Adani) (2*660)	1320	1199	1194	28.01	1167	
	Thermal (Total)	9536	5468	5118	128.33	5347	
	Total Hydro	550	169	94	4.42	184	
	Wind power	4292	695	235	8.96	373	
	Biomass	102	24	24	0.57	24	
	Solar	1995	0	0	0.18	7	
	Renewable/Others (Total)	6389	719	259	9.71	404	
	Total Rajasthan	16475	6356	5471	142.45	5935	
UP	Anpara TPS (3*210+2*500)	1630	1324	1048	32.30	1346	
	Obra TPS (2*50+2*94+5*200)	1194	277	257	6.50	271	
	Paricha TPS (2*110+2*220+2*250)	1160	502	427	11.30	471	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaqani TPS (1*60+1*105+2*250)	665	405	313	9.00	375	
	Tanda TPS (NTPC) (4*110)	440	357	280	8.10	337	
	Roza TPS (IPP) (4*300)	1200	751	746	18.70	779	
	Anpara-C (IPP) (2*600)	1200	1115	648	25.20	1050	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	447	323	10.20	425	
	Lalitpur TPS(3*660)	1980	1846	1122	34.90	1454	
	Bara(2*660)	1320	897	729	19.20	800	
	Thermal (Total)	12449	7921	5893	175.40	7308	
	Vishnuparvaq_HPS (IPP)(4*110)	440	87	80	2.00	83	
	Alaknanda(4*82.5)	330	82	82	1.50	63	
	Other Hydro	527	276	45	4.00	167	
	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	9266	7000	204.50	8521		
Uttarakhand	Other Hydro	1250	616	368	10.59	441	
	Total Gas	450	53	70	1.46	61	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.61	25	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.61	25	
	Total Uttarakhand	2107	669	438	12.66	527	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	35	0.93	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	265	265	6.39	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	250	6.04	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0	
	Thermal (Total)	2917	551	550	13.35	556	
	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	551	550	13.35	556		

HP	Baspa HPS (IPP) (3*100)	300	29	0	1.11	46	
	Malana HPS (IPP) (2*43)	86	45	0	0.24	10	
	Other Hydro (>25MW)	372	85	39	1.92	80	
	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	81	45	1.57	65	
	Renewable(Total)	486	81	45	1.57	65	
	Total HP	1244	240	83	4.83	201	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	148	148	3.55	148
		Other Hydro/IPP(including 98 MW Small Hydro)	308	68	49	1.42	59
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	197	5	207	
Total State Control Area Generation		52451	23400	18098	519.05	21627	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]							
Total Regional Availability(Gross)	78288	48176	34339	960.53	40022		

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8979	625	73.20	3043
State Control Area Hydro	7468	2228	1276	41.58	1884
Total Regional Hydro	19702	11207	1901	114.79	4927

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.11	5
State Control Area Renewable	8844	800	304	12.03	501
Total Regional Renewable	8874	800	304	12.14	506

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	-250	0	250	0.00	5.29	-5.29
765 KV Gwalior-Agra (D/C)	1727	1730	2725	0	42.23	0.00	42.23
400 KV Zerda-Kankroli	-138	-192	0	225	0.00	3.11	-3.11
400 KV Zerda-Bhimnal	-128	-125	93	246	0.00	1.35	-1.35
220 KV Auraja-Malanpur	-105	-73	0	170	0.00	2.56	-2.56
220 KV Badod-Kota/Morak	-83	-39	22	97	0.00	1.14	-1.14
Mundra-Mohindergarh(HVDC Bipole)	997	1401	1428	0	29.51	0.00	29.51
400 KV RAPPCC-Sujalpur	119	140	310	0	4.07	0.00	4.07
400 KV Vindhyachal-Rihand	872	816	0	975	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	707	882	568	0	21.53	0.00	21.53
+/- 800 kV HVDC Champa-Kurushetra	1000	1600	3000	0	35.20	0	35.20
Sub Total WR	4718	5890			132.54	13.44	119.10
400 kV Sasaram - Varanasi	154	168	174	0	3.84	0.00	3.84
400 kV Sasaram - Allahabad	88	75	126	0	2.14	0.00	2.14
400 kV MZP- GKP (D/C)	147	226	484	0	6.41	0.00	6.41
400 kV Patna-Balia(D/C) X 2	756	545	1015	0	18.34	0.00	18.34
400 kV B'Sharif-Balia (D/C)	73	113	231	0	3.26	0.00	3.26
765 KV Gaya-Balia	186	205	303	0	3.27	0.00	3.27
765 KV Gaya-Varanasi (D/C)	172	200	580	0	7.87	0.00	7.87
220 KV Pusauli-Sahupuri	-147	-104	174	0	2.95	0.00	2.95
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-31	-34	0	38	0.00	0.81	-0.81
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-173	-123	86	207	0.00	1.68	-1.68
400 KV Mothari -GKP (D/C)	-270	-152	0	272	0.00	4.85	-4.85
400 kV B'Sharif - Varanasi (D/C)	58	21	-180	98	0.53	0.00	0.53
+/- 800 KV HVDC Alipurduar-Agra	0	0	300	0	8.37	0.00	8.37
Sub Total ER	1013	1140			56.98	7.34	49.64
+/- 800 KV HVDC BiswanathChariali-Agra	600	700	700	0.00	7.19	0.00	7.19
Sub Total NER	600	700			7.19	0.00	7.19
Total IR Exch	6331	7730			196.70	20.78	175.92

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
43.48	0.34	43.82	-1.66	-41.36	2.29	8.57	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
44.45	118.79	163.24	56.82	119.10	175.92	12.37	0.31	12.68

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	-12	-9	0	-41	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	0.00	4.02	46.96	77.30	15.13	4.05	0.09	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)	
50.21	13.03	49.83	9.11	50.00	0.033	0.057	50.15	49.90	22.70

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	13:03	401	6:54	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	2:01	398	17:38	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	2:03	401	18:10	0.0	0.0	0.0	0.0	0.0
Kanpur	400	424	3:02	407	18:12	0.0	0.0	20.7	0.0	20.7
Dadri	400	427	3:02	408	18:10	0.0	0.0	32.1	0.0	32.1
Ballabgarh	400	425	3:59	407	18:15	0.0	0.0	25.7	0.0	25.7
Bawana	400	423	21:59	406	17:22	0.0	0.0	22.8	0.0	22.8
Bassi	400	424	4:01	392	7:22	0.0	0.0	3.5	0.0	3.5
Hissar	400	419	3:59	402	6:26	0.0	0.0	0.0	0.0	0.0
Moga	400	419	3:59	403	17:56	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	3:59	414	7:15	0.0	0.0	46.0	0.0	46.0
Nalagarh	400	429	3:02	413	17:55	0.0	0.0	37.8	0.0	37.8
Kishenpur	400	420	2:25	400	18:07	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	2:46	379	11:47	0.1	55.2	0.0	0.0	0.1
Amritsar	400	426	2:29	411	18:08	0.0	0.0	25.0	0.0	25.0
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	416	1:00	395	18:08	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	790	13:02	754	18:12	0.0	0.0	0.0	0.0	0.0
Balia	765	798	3:58	760	18:12	0.0	0.0	0.0	0.0	0.0
Moga	765	801	13:11	760	18:09	0.0	0.0	0.0	0.0	0.0
Agra	765	803	13:02	773	6:38	0.0	0.0	0.6	0.0	0.6
Bhiwani	765	806	4:00	778	18:00	0.0	0.0	12.5	0.0	12.5
Unnao	765	785	3:03	752	18:12	0.0	0.0	0.0	0.0	0.0
Lucknow	765	802	4:00	764	18:13	0.0	0.0	0.9	0.0	0.9
Meerut	765	808	13:03	770	17:54	0.0	0.0	9.2	0.0	9.2
Jhatikara	765	809	4:00	778	18:09	0.0	0.0	22.3	0.0	22.3
Bareilly 765 kV	765	802	3:58	766	18:09	0.0	0.0	1.3	0.0	1.3
Anta	765	793	4:05	767	6:31	0.0	0.0	0.0	0.0	0.0
Phagi	765	800	4:01	762	7:25	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	499.53	1076.64	489.00	700.02	186.75	515.37
Pong	426.72	384.05	410.56	514.41	408.45	444.61	87.81	466.83
Tehri	829.79	740.04	810.65	815.27	809.60	794.47	46.69	244.00
Koteshwar	612.50	598.50	610.42	4.70	610.32	4.70	244.00	240.50
Chamera-I	760.00	748.75	758.41	0.00	0.00	0.00	47.54	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	505.07	3.17	505.29	2.95	42.43	115.54

* 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	-858	0	0	-858	-153	0	-21.61	-0.75	-22.36
Delhi	-805	-248	0	-634	181	0	-17.16	1.86	-15.30
Haryana	-908	139	0	-909	101	0	-27.64	1.61	-26.04
HP	387	105	0	371	62	0	11.96	-0.94	11.01
J&K	785	88	0	785	274	0	18.49	1.02	19.51
CHD	-31	0	0	-31	44	0	-0.37	0.05	-0.31
Rajasthan	-102	247	0	-102	-506	0	-0.60	5.49	4.89
UP	38	-36	0	-121	-66	0	-11.32	-1.52	-12.84
Uttarakhand	266	109	0	266	331	0	6.53	5.27	11.80
Total	-1227	403	0	-1233	268	0	-41.72	12.08	-29.64

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-858	-960	0	-255	0	0
Delhi	-583	-805	660	-283	0	0
Haryana	-765	-1541	139	-286	0	0
HP	665	369	105	-632	0	0
J&K	785	756	294	-500	0	0
CHD	0	-31	44	-41	0	0
Rajasthan	83	-102	996	-612	0	0
UP	38	-1155	-36	-72	0	0
Uttarakhand	295	266	509	18	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	19
Haryana	0	11
Rajasthan	1	19
Delhi	3	31
UP	1	15
Uttarakhand	3	19
HP	2	19
J & K	2	15
Chandigarh	4	31

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 28.12.2017 :

XVI. Synchronisation of new generating units :

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

1. 220 KV Bus-2 charged via Bus coupler bay (203) at 12.15 hrs at Banala
2. 220 kV Bay (204) first time charged at 12.32 hrs Banala
3. 220 kV Bay (205) of line-1 first time charged at 13.30 hrs at Banala
4. 400/ 220 kV ICT-1 charged from 400KV bay (403) at 15.37 hrs and 220 kV bay (202) side at 16.01 hrs in Banala (PG).
5. SVC at New Wanpoh first time charged at 22.14 Hrs.

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 : 28.12.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER