

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.01.2017
Date of Reporting : 28.01.2017



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
38034	1501	39535	49.98	19232	311	19543	49.99	691.10	14.90

* 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)				Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages * (MU)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	50.23	6.82	0.22	57.28	26.92	27.67	0.76	84.95	0.00
Haryana	20.71	0.42	0.00	21.13	65.14	65.28	0.13	86.40	1.88
Rajasthan	78.30	5.20	3.23	86.73	62.93	66.89	3.96	153.62	1.25
Delhi	11.94		0.00	11.94	49.86	51.33	1.47	63.28	0.00
UP	129.96	4.00	0.00	133.96	76.97	72.53	-4.43	206.50	2.27
Uttarakhand		11.60	0.00	13.81	20.67	19.17	-1.50	32.98	0.00
HP		6.09	2.01	6.09	19.21	16.98	-2.23	23.07	0.01
J & K		4.56	0.00	4.56	36.72	32.06	-4.66	36.62	9.49
Chandigarh				0.00	3.96	3.68	-0.28	3.68	0.00
Total	291.15	38.69	5.46	335.50	362.38	355.60	-6.79	691.10	14.90

* 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	4608	0	87	-1787	2367	0	108	-536	4608	19:00	0
Haryana	5354	455	-14	-249	1679	0	-108	-695	5354	19:00	455
Rajasthan	8119	450	317	256	4581	0	163	326	8119	19:00	450
Delhi	3054	0	-62	244	1240	0	154	-640	3690	12:00	0
UP	11791	140	252	-208	6807	0	-784	71	11791	19:00	140
Uttarakhand	1785	0	68	433	723	0	-205	326	1785	19:00	0
HP	1306	0	15	310	507	0	-182	390	1306	19:00	0
J&K	1825	456	58	942	1243	311	-356	616	1900	21:00	475
Chandigarh	192	0	-14	0	86	0	-5	0	224	10:00	0
Total	38034	1501	708	-58	19232	311	-1214	-142	38034	19:00	1501

* 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	1890	2055	1304	38.79	1616	37.17	1.62	
Rihand I STPS (2*500)	1000	476	516	299	9.31	388	9.06	0.25	
Rihand II STPS (2*500)	1000	968	998	602	18.79	783	18.50	0.30	
Rihand III STPS (2*500)	1000	971	997	687	19.02	793	18.27	0.75	
Dadri I STPS (4*210)	840	815	204	137	4.01	167	4.26	-0.26	
Dadri II STPS (2*490)	980	980	0	0	0.13	6	0.07	0.06	
Unchahar I TPS (2*210)	420	407	314	258	6.35	265	6.44	-0.09	
Unchahar II TPS (2*210)	420	405	289	252	6.24	260	6.37	-0.13	
Unchahar III TPS (1*210)	210	203	152	132	3.18	132	3.26	-0.08	
ISTPP (Jhajjar) (3*500)	1500	1440	0	0	0.00	0	0.00	0.00	
Dadri GPS (4*130.19+2*154.51)	830	836	204	141	4.44	185	4.68	-0.24	
Anta GPS (3*88.71+1*153.2)	419	420	0	0	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	644	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	1	0	0	0.02	1	0.01	0.00	
Singrauli Solar(15)	15	1	0	0	0.03	1	0.04	-0.01	
KHEP(4*200)	800	872	862	0	2.83	118	2.62	0.21	
Sub Total (A)	12112	11328	6591	3812	113	4715	111	2.40	
B. NPC									
NAPS (2*220)	440	414	452	451	10.02	418	9.94	0.08	
RAPS- B (2*220)	440	399	448	448	9.72	405	9.58	0.14	
RAPS- C (2*220)	440	405	447	449	9.78	408	9.72	0.06	
Sub Total (B)	1320	1218	1347	1348	29.52	1230	29.23	0.29	
C. NHPC									
Chamera I HPS (3*180)	540	540	552	0	4.06	169	3.78	0.29	
Chamera II HPS (3*100)	300	301	312	0	1.88	78	1.60	0.28	
Chamera III HPS (3*77)	231	231	227	18	0.93	39	0.89	0.04	
Bairasuli HPS(3*60)	180	120	123	0	1.74	73	1.64	0.10	
Salal-HPS (6*115)	690	406	247	554	10.44	435	9.75	0.70	
Tanakpur-HPS (3*31.4)	94	21	32	24	0.57	24	0.50	0.08	
Uri-I HPS (4*120)	480	161	62	81	4.22	176	3.87	0.35	
Uri-II HPS (4*60)	240	111	83	121	2.70	113	2.67	0.03	
Dhauliganga-HPS (4*70)	280	140	134	0	0.80	33	0.74	0.06	
Dulhasti-HPS (3*130)	390	257	268	0	1.90	79	1.75	0.15	
Sewa-II HPS (3*40)	120	124	129	120	3.06	128	2.98	0.08	
Parbati 3 (4*130)	520	130	134	0	0.42	18	0.39	0.03	
Sub Total (C)	4065	2543	2302	917	33	1364	31	2.20	
D.SJVNL									
NJPC (6*250)	1500	1615	1217	0	6.25	260	6.00	0.25	
Rampur HEP (6*88.67)	412	442	364	0	1.77	74	1.67	0.10	
Sub Total (D)	1912	2057	1581	0	8.02	334	7.67	0.35	
E. THDC									
Tehri HPS (4*250)	1000	940	938	0	9.08	378	8.97	0.12	
Koteshwar HPS (4*100)	400	132	392	70	3.21	134	3.17	0.05	
Sub Total (E)	1400	1072	1330	70	12.29	512	12.13	0.16	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	458	931	346	11.39	475	11.00	0.39	
Dehar HPS (6*165)	990	215	495	0	5.20	217	5.34	-0.14	
Pong HPS (6*66)	396	154	330	0	3.63	151	3.70	-0.07	
Sub Total (F)	2765	827	1756	346	20.22	843	20.04	0.18	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	55	0	0.35	15	0.34	0.01	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.46	144	3.56	-0.10	
Malana Stg-II HPS (2*50)	100	0	0	0	0.16	7	0.17	-0.01	
Shree Cement TPS (2*150)	300	0	295	142	5.83	243	5.86	-0.02	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.15	6	0.15	0.00	
Sub Total (G)	1662	0	980	142	9.94	414	10.07	-0.12	
H. Total Regional Entities (A-G)	25237	19045	15886	6635	225.89	9412	220.44	5.45	

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	-0.13	-5
	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	-0.13	-5
	Goidwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	660	24.88	1037
	Talwandi Saboo (3*660)	1980	1074	616	25.65	1069
	Thermal (Total)	6560	2394	1276	50.23	2093
	Total Hydro	1000	431	151	6.82	284
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.21	9
	Solar	560	0	0	0.02	1
	Renewable(Total)	848	0	0	0.22	9
	Total Punjab	8408	2825	1427	57.28	2386
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1152	757	20.71	863
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4497	1152	757	20.71	863
	Total Hydro	62	12	8	0.42	17
	Wind Power	0	0	0	0.00	0
	Biomass	40	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Renewable(Total)	40	0	0	0.00	0
	Total Haryana	4599	1164	765	21.13	880
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	97	91	2.20
suratgarh TPS (6*250)		1500	222	178	4.80	200
Chabra TPS (4*250)		1000	230	0	2.30	96
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	160	163	4.20	175
RAPS A (NPC) (1*100+1*200)		300	190	190	4.40	183
Barsingar (NLC) (2*125)		250	224	190	5.00	208
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	958	504	18.20	758
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	572	403	11.70	488
Kawai(Adani) (2*660)		1320	1182	851	25.50	1063
Thermal (Total)		8876	3835	2570	78.30	3263
Total Hydro		550	235	159	5.20	217
Wind power		4017	187	264	5.10	213
Biomass		99	7	7	0.16	7
Solar		1295	9	0	-2.03	-85
Renewable/Others (Total)		5411	203	271	3.23	135
Total Rajasthan		14837	4273	3000	86.73	3614
UP	Anpara TPS (3*210+2*500)	1630	1418	940	25.60	1067
	Obra TPS (2*50+2*94+5*200)	1194	430	474	10.40	433
	Paricha TPS (2*110+2*220+2*250)	1160	0	0	0.00	0
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	98	0	1.40	58
	Tanda TPS (NTPC) (4*110)	440	325	237	6.86	286
	Roza TPS (IPP) (4*300)	1200	194	198	5.30	221
	Anpara-C (IPP) (2*600)	1200	1067	633	19.40	808
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	806	533	14.90	621
	Lalitpur TPS(3*660)	1980	721	607	16.60	692
	Bara(2*660)	1320	388	352	9.10	379
	Thermal (Total)	12449	5447	3974	109.56	4565
	Vishnuparyag HPS (IPP)(4*110)	440	68	0	1.20	50
	Alaknada(4*82.5)	330	77	0	1.00	42
	Other Hydro	527	108	32	1.80	75
	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	6550	4856	133.96	5582	
Uttarakhand	Other Hydro	1250	497	253	11.60	483
	Total Gas	225	99	98	2.21	92
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.00	0
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.00	0
	Total Uttarakhand	1802	596	351	13.81	575
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	76	36	1.60	66
	Pragati Gas Turbine (2x104+ 1x122)	330	137	-3	3.41	142
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	329	280	7.14	297
	Badarpur TPS (NTPC) (3*95+2*210)	705	-3	-3	-0.19	-8
	Thermal (Total)	2917	539	310	11.94	498
	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	539	310	11.94	498
	HP	Baspa HPS (IPP) (3*100)	300	47	28	1.28
Malana HPS (IPP) (2*43)		86	0	0	0.19	8
Other Hydro		372	107	38	2.60	109
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	84	82	2.01	84
Renewable(Total)		486	84	82	2.01	84
Total HP		1244	238	149	6.09	254
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	142	285	4.56
	Other Hydro/IPP(including 98 MW Small Hydro)	308	94	39	0.00	0
	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	236	324	5	190	

Total State Control Area Generation	50078	16421	11182	335.50	13979
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7833.1	3358.96	154.13	6422
Total Regional Availability(Gross)	75315	40141	21176	715.52	29813

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8515	1333	80.07	3336
State Control Area Hydro	7163	2001	1174	38.69	1704
Total Regional Hydro	19397	10517	2507	118.75	5040

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.06	3
State Control Area Renewable	7356	287	353	5.46	228
Total Regional Renewable	7386	287	353	5.53	230

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-50	-500	0	500	0.00	7.20	-7.20
765 KV Gwalior-Agra (D/C)	2609	1779	3116	0	58.71	0.00	58.71
400 KV Zerda-Kankroli	37	-61	64	62	0.00	0.37	-0.37
400 KV Zerda-Bhimnal	112	63	220	47	1.93	0.00	1.93
220 KV Auraiya-Malanpur	-35	-79	0	101	0.00	0.43	-0.43
220 KV Badod-Kota/Morak	75	-8	93	19	0.24	0.00	0.24
Mundra-Mohinderghar(HVDC Bipole)	2304	599	2306	0.00	35.66	0.00	35.66
400 KV RAPPCC-Sujalpur	356	160	356	0	6.04	0.00	6.04
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1446	1090	1667	0	33.73	0.00	33.73
Sub Total WR	6854	3043			136.31	8.00	128.31
400 kV Sasaram - Varanasi	192	174	192	0	4.25	0.00	4.25
400 kV Sasaram - Allahabad	45	70	94	0	1.62	0.00	1.62
400 KV MZP- GKP (D/C)	-8	170	392	8	4.29	0.00	4.29
400 KV Patna-Balia(D/C) X 2	358	127	606	0	8.11	0.00	8.11
400 KV B'Sharif-Balia (D/C)	55	-323	154	345	0.00	1.30	-1.30
765 KV Gaya-Balia	250	185	275	0	2.73	0.00	2.73
765 KV Gaya-Varanasi (D/C)	438	98	718	0	10.52	0.00	10.52
220 KV Pusauli-Sahupuri	95	128	177	0	3.09	0.00	3.09
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.51	-0.51
132 KV Son Ngr-Rihand	-40	-38	0	40	0.00	0.76	-0.76
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-118	-143	125	164	0.00	1.07	-1.07
400 KV Barh -GKP (D/C)	352	506	594	0	10.05	0.00	10.05
400 kV B'Sharif - Varanasi (D/C)	60	62	152	79	0.46	0.00	0.46
Sub Total ER	1679	1016			45.12	3.64	41.48
+/- 800 KV BiswanathCharialli-Agra	-700	-700	0	700.00	0.00	15.66	-15.66
Sub Total NER	-700	-700			0.00	15.66	-15.66
Total IR Exch	7833	3359			181.42	27.30	154.13

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
35.17	0.35	35.52	-1.16	-6.63	11.34	0.00	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
45.70	119.11	164.81	25.82	128.31	154.13	-19.88	9.20	-10.68

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-38	-36	0	38	0	1	-0.82

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	0.54	10.19	48.03	61.85	16.91	8.84	2.27	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)		
50.32	0:00	49.76	7:08	50.01	0.072	0.084	50.25	49.83	38.15

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	412	0:00	401	19:49	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	425	11:57	404	18:27	0.0	0.0	22.4	0.0	22.4
Bareilly(PG)400kV	400	428	1:53	394	18:22	0.0	0.0	21.9	0.0	21.9
Kanpur	400	421	7:42	399	18:20	0.0	0.0	0.2	0.0	0.2
Dadri	400	436	1:47	402	18:25	0.0	0.0	41.9	15.5	41.9
Ballabgarh	400	427	1:56	399	18:24	0.0	0.0	21.1	0.0	21.1
Bawana	400	430	0:00	403	18:22	0.0	0.0	33.9	0.0	33.9
Bassi	400	428	0:00	401	18:26	0.0	0.0	20.0	0.0	20.0
Hissar	400	425	1:42	402	18:20	0.0	0.0	15.5	0.0	15.5
Moga	400	423	1:39	405	18:25	0.0	0.0	10.2	0.0	10.2
Abdullapur	400	429	1:38	409	18:25	0.0	0.0	50.5	0.0	50.5
Nalagarh	400	432	2:03	413	9:45	0.0	0.0	71.9	2.5	71.9
Kishenpur	400	421	2:30	398	18:24	0.0	0.0	0.9	0.0	0.9
Wagoora	400	403	13:01	375	18:46	6.6	43.7	0.0	0.0	6.6
Amritsar	400	427	1:38	405	9:14	0.0	0.0	23.5	0.0	23.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	0:00	410	17:53	0.0	0.0	19.8	0.0	19.8
Rishikesh	400	0	0:00	0	0:00	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)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	780	21:58	745	18:22	0.0	0.0	0.0	0.0	0.0
Balia	765	794	1:54	756	18:26	0.0	0.0	0.0	0.0	0.0
Moga	765	801	21:49	765	9:13	0.0	0.0	0.1	0.0	0.1

Agra	765	793	7:45	756	18:24	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	808	21:50	772	6:50	0.0	0.0	17.3	0.0	17.3
Unnao	765	783	1:54	734	18:23	0.0	3.4	0.0	0.0	0.0
Lucknow	765	805	1:55	755	18:24	0.0	0.0	1.9	0.0	1.9
Meerut	765	808	1:50	762	18:27	0.0	0.0	13.7	0.0	13.7
Jhatikara	765	806	21:49	765	6:44	0.0	0.0	5.1	0.0	5.1
Bareilly 765 kV	765	813	1:56	753	18:22	0.0	0.0	20.4	0.0	20.4
Anta	765	797	0:00	771	12:48	0.0	0.0	0.0	0.0	0.0
Phagi	765	803	0:00	768	18:28	0.0	0.0	11.0	0.0	11.0

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	482.89	527.87	496.24	948.89	279.12	332.13
Pong	426.72	384.05	405.27	352.07	406.20	379.44	266.15	255.62
Tehri	829.79	740.04	797.10	560.42	790.05	453.12	37.31	227.00
Koteshwar	612.50	598.50	609.41	4.60	610.49	4.83	227.00	211.48
Chamera-I	760.00	748.75	759.85	0.00	0.00	0.00	116.88	109.84
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	503.11	1.68	495.82	0.58	50.80	53.26

* 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	-537	1	0	-610	-1177	0	-18.23	-10.58	-28.81
Delhi	-130	-510	0	-310	554	0	-4.68	7.05	2.37
Haryana	-831	137	0	-501	251	0	-14.67	4.13	-10.53
HP	441	-51	0	355	-45	0	11.86	-2.09	9.77
J&K	616	0	0	613	330	0	14.59	4.66	19.24
CHD	0	0	0	0	0	0	0.00	0.32	0.32
Rajasthan	30	296	0	-7	264	0	8.06	5.18	13.25
UP	71	0	0	-108	-100	0	-7.82	-1.90	-9.72
Uttarakhand	316	10	0	0	433	0	4.11	7.49	11.60
Total	-25	-118	0	-568	510	0	-6.77	14.26	7.49

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-527	-1248	1	-1647	0	0
Delhi	-51	-320	1088	-510	0	0
Haryana	-501	-831	278	-227	0	0
HP	707	288	54	-608	0	0
J&K	616	597	330	-15	0	0
CHD	0	0	59	-36	0	0
Rajasthan	919	-7	296	-214	0	0
UP	154	-875	0	-100	0	0
Uttarakhand	316	0	637	10	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	1.74%
ER	0.00%
Simultaneous	0.00%

(ii)%age of times ATC violated on the inter-regional corridors

WR	22.57%
ER	0.00%
Simultaneous	8.33%

(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	7
Rajasthan	0	11
Delhi	5	31
UP	3	28
Uttarakhand	3	28
HP	4	33
J & K	4	53
Chandigarh	2	23

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.01.2017 :

XVI. Synchronisation of new generating units :

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

0

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 : 27.01.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER