

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.01.2017

Date of Reporting : 18.01.2017



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
44030	728	44758	49.98	30265	378	30643	49.99	892.82	14.34

* 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:

UI [OD:(+ve), UD:(-ve)]

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	35.58	9.47	0.31	45.36	44.70	46.56	1.86	91.92	0.00
Haryana	52.42	0.43	0.00	52.84	67.55	67.49	-0.05	120.33	0.00
Rajasthan	125.79	5.88	7.41	139.08	72.41	73.27	0.86	212.36	0.48
Delhi	10.89		0.00	10.89	54.86	57.35	2.49	68.24	0.04
UP	193.11	6.35	0.00	199.46	95.03	95.25	0.21	294.71	0.00
Uttarakhand		9.12	0.00	11.51	21.09	21.41	0.31	32.92	3.50
HP		4.99	1.03	4.99	20.23	22.04	1.82	27.03	0.00
J & K		3.66	0.00	3.66	38.90	37.63	-1.27	41.29	10.32
Chandigarh				0.00	3.90	4.04	0.14	4.04	0.00
Total	417.78	39.90	8.75	467.79	418.66	425.03	6.37	892.82	14.34

* Shortage furnished by the respective constituent's Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

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	4802	0	-20	-963	3108	0	27	-542	4897	8:00	0
Haryana	6628	0	-59	-215	3363	0	-50	-506	6628	19:00	0
Rajasthan	9622	0	-47	431	7741	0	-128	804	9980	9:00	86
Delhi	3394	0	27	-35	1554	0	118	-647	3976	11:00	0
UP	14299	0	-56	-206	10953	0	134	102	14299	19:00	0
Uttarakhand	1766	225	52	250	1223	0	72	333	1920	8:00	0
HP	1299	0	10	363	717	0	-22	512	1421	10:00	0
J&K	2012	503	49	823	1513	378	-72	719	2012	19:00	503
Chandigarh	208	0	-4	10	93	0	-11	0	231	9:00	0
Total	44030	728	-49	459	30265	378	69	774	44030	19:00	728

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

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III. Regional Entities :

UI [OD:(+ve), UG:(-ve)]

Region	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Scentout(MW)	Schedule Net MU	UI Net MU
	Rihand I STPS (2*500)	1000	943	1004	723	20.77	865	21.00	-0.23
	Rihand II STPS (2*500)	1000	958	1012	650	21.25	885	21.37	-0.13
	Rihand III STPS (2*500)	1000	963	1018	692	21.36	890	21.56	-0.21
	Dadri I STPS (4*210)	840	815	407	162	7.23	301	7.83	-0.60
	Dadri II STPS (2*490)	980	980	441	348	9.64	402	10.62	-0.98
	Unchahar I TPS (2*210)	420	407	418	278	7.85	327	8.71	-0.86
	Unchahar II TPS (2*210)	420	405	428	278	7.99	333	8.57	-0.58
	Unchahar III TPS (1*210)	210	203	212	135	3.95	165	4.28	-0.32
	ISTPP (Jhajjar) (3*500)	1500	1440	0	0	0.00	0	0.00	0.00
	Dadri GPS (4*130.19+2*154.51)	830	822	158	166	3.63	151	4.11	-0.48
	Anta GPS (3*88.71+1*153.2)	419	427	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	637	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	0	0	0	0.01	1	0.01	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	1	0.04	0.00
	Singrauli Solar(15)	15	1	0	0	0.04	2	0.03	0.01
	KHEP(4*200)	800	655	644	0	1.98	83	1.97	0.02
	Sub Total (A)	12112	11538	7781	5133	149	6222	153	-3.93
B. NPC	NAPS (2*220)	440	420	454	456	10.04	418	10.08	-0.04
	RAPS- B (2*220)	440	407	450	452	9.79	408	9.77	0.02
	RAPS- C (2*220)	440	220	238	239	5.05	210	5.28	-0.23
	Sub Total (B)	1320	1047	1142	1147	24.88	1037	25.13	-0.25
C. NHPC	Chamera I HPS (3*180)	540	540	552	0	1.80	75	1.62	0.18
	Chamera II HPS (3*100)	300	301	309	0	1.07	45	0.93	0.15
	Chamera III HPS (3*77)	231	157	152	0	0.48	20	0.45	0.03
	Bairasuli HPS(3*60)	180	120	123	0	0.50	21	0.45	0.05
	Salal-HPS (6*115)	690	81	230	60	2.32	97	1.95	0.37
	Tanakpur-HPS (3*31.4)	94	20	31	22	0.58	24	0.49	0.09
	Uri-I HPS (4*120)	480	102	232	61	2.66	111	2.45	0.20
	Uri-II HPS (4*60)	240	71	121	81	1.75	73	1.70	0.05
	Dhauliganga-HPS (4*70)	280	186	136	0	0.83	35	0.77	0.06
	Dulhasti-HPS (3*130)	390	387	383	0	2.78	116	2.50	0.28
	Sewa-II HPS (3*40)	120	119	80	0	0.33	14	0.36	-0.02
	Parbati 3 (4*130)	520	130	135	0	0.41	17	0.39	0.02
	Sub Total (C)	4065	2214	2485	224	16	647	14	1.47
D.SJVNL	NJPC (6*250)	1500	1370	1329	0	6.17	257	6.20	-0.03
	Rampur HEP (6*88.67)	412	375	371	0	1.74	73	1.72	0.02
	Sub Total (D)	1912	1745	1700	0	7.91	330	7.92	-0.01
E. THDC	Tehri HPS (4*250)	1000	648	899	0	8.04	335	8.00	0.04
	Koteshwar HPS (4*100)	400	127	394	99	3.04	126	3.05	-0.01
	Sub Total (E)	1400	775	1293	99	11.07	461	11.05	0.02
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	523	1030	399	13.14	548	12.56	0.58
	Dehar HPS (6*165)	990	118	495	0	2.91	121	2.83	0.08
	Pong HPS (6*66)	396	157	396	0	3.73	155	3.78	-0.05
	Sub Total (F)	2765	799	1921	399	19.77	824	19.17	0.60
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.37	16	0.36	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	600	0	3.31	138	3.56	-0.25
	Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01
	Shree Cement TPS (2*150)	300	0	148	134	3.38	141	4.15	-0.77
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.15	-0.01
	Sub Total (G)	1662	0	748	134	7.39	308	8.40	-1.00
H. Total Regional Entities (A-G)		25237	18117	17069	7136	235.88	9828	238.98	-3.10
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	0.00	0			
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0			
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	211	182	4.44	185			
	Goidwal(GVK) (2*270)	540	0	0	0.00	0			

	Rajpura (2*700)	1400	1320	660	27.13	1130
	Talwandi Saboo (3*660)	1980	0	616	4.01	167
	Thermal (Total)	6560	1531	1458	35.58	1483
	Total Hydro	1000	430	339	9.47	395
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.30	13
	Solar	560	0	0	0.01	0
	Renewable(Total)	848	0	0	0.31	13
	Total Punjab	8408	1961	1797	45.36	1890
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	279	232	5.60	233
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1155	775	24.48	1020
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar (CLP) (2*660)	1320	1220	736	22.34	931
	Thermal (Total)	4497	2654	1743	52.42	2184
	Total Hydro	62	12	20	0.43	18
	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	2666	1763	52.84	2202
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1003	948	24.92	1038
	suratgarh TPS (6*250)	1500	187	187	4.84	202
	Chabra TPS (4*250)	1000	873	777	19.70	821
	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	143	152	3.55	148
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.34	181
	Barsingar (NLC) (2*125)	250	226	227	4.92	205
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	870	383	16.89	704
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1122	834	24.51	1021
	Kawai(Adani) (2*660)	1320	987	757	22.12	922
	Thermal (Total)	8876	5601	4455	125.79	5241
	Total Hydro	550	236	257	5.88	245
	Wind power	4017	132	483	6.78	282
	Biomass	99	7	7	0.16	7
	Solar	1295	9	0	0.47	20
	Renewable/Others (Total)	5411	148	490	7.41	309
	Total Rajasthan	14837	5985	5202	139.08	5795
UP	Anpara TPS (3*210+2*500)	1630	1449	1071	32.18	1341
	Obra TPS (2*50+2*94+5*200)	1194	527	500	12.47	520
	Paricha TPS (2*110+2*220+2*250)	1160	811	640	17.92	747
	Panki TPS (2*105)	210	140	135	3.31	138
	Harduaqanj TPS (1*60+1*105+2*250)	665	523	416	11.17	465
	Tanda TPS (NTPC) (4*110)	440	379	275	8.19	341
	Roza TPS (IPP) (4*300)	1200	1125	743	23.06	961
	Anpara-C (IPP) (2*600)	1200	1080	630	22.71	946
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	156	168	4.40	184
	Anpara-D(2*500)	1000	582	594	14.10	588
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	1066	732	23.20	967
	Thermal (Total)	12449	7838	5904	172.71	7196
	Vishnuparyag HPS (IPP)(4*110)	440	78	73	1.86	78
	Alakanada(4*82.5)	330	77	0	1.09	46
	Other Hydro	527	143	93	3.40	142
	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	8986	6920	199.46	8311
	Uttarakhand	Other Hydro	1250	598	267	9.12
Total Gas		225	96	47	2.39	99
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		20	0	0	0.01	0
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		327	0	0	0.01	0
Total Uttarakhand	1802	694	314	11.51	480	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	30	0.88	37
	Pragati Gas Turbine (2x104+ 1x122)	330	140	138	3.34	139
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	319	280	6.67	278
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	494	448	10.89	454
	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	494	448	10.89	454
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.00	42
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8
	Other Hydro	372	162	55	2.77	116
	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	47	39	1.03	43
	Renewable(Total)	486	47	39	1.03	43
	Total HP	1244	209	93	4.99	208
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	113	113	2.71
Other Hydro/IPP(including 98 MW Small Hydro)		308	113	18	0.95	40
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	226	131	4	153	

Total State Control Area Generation	50078	21221	16669	467.79	19491
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8533	7650	215.80	8992
Total Regional Availability(Gross)	75315	46823	31455	919.48	38312

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8642	722	60.13	2505
State Control Area Hydro	7163	2105	1320	39.90	1762
Total Regional Hydro	19397	10747	2042	100.03	4267

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.09	4
State Control Area Renewable	7356	195	529	8.76	365
Total Regional Renewable	7386	195	529	8.85	369

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)	150	-250	250	250	2.31	2.23	0.08
765 KV Gwalior-Agra (D/C)	2752	2182	3121	0	63.19	0.00	63.19
400 KV Zerda-Kankroli	-30	-140	44	195	0.00	1.43	-1.43
400 KV Zerda-Bhimnal	82	-27	213	105	1.50	0.00	1.50
220 KV Auraiya-Malanpur	-50	-70	0	80	0.00	1.14	-1.14
220 KV Badod-Kota/Morak	-32	-41	64	62	0.00	0.38	-0.38
Mundra-Mohinderghar(HVDC Bipole)	2502	2503	2507	0.00	60.45	0.00	60.45
400 KV RAPPCC-Sujalpur	398	366	499	0	8.56	0.00	8.56
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1166	1120	1583	0	31.28	0.00	31.28
Sub Total WR	6938	5643			167.29	5.19	162.10
400 kV Sasaram - Varanasi	213	203	230	0	7.64	0.00	7.64
400 kV Sasaram - Allahabad	23	44	44	0	0.66	0.00	0.66
400 KV MZP- GKP (D/C)	138	327	341	0	5.61	0.00	5.61
400 KV Patna-Balia(D/C) X 2	339	631	736	0	13.59	0.00	13.59
400 KV B'Sharif-Balia (D/C)	112	145	105	0	3.40	0.00	3.40
765 KV Gaya-Balia	334	258	340	0	6.27	0.00	6.27
765 KV Gaya-Varanasi (D/C)	501	476	790	0	14.86	0.00	14.86
220 KV Pusaali-Sahupuri	113	100	116	0	2.35	0.00	2.35
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.51	-0.51
132 KV Son Ngr-Rihand	-17	-27	0	33	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-107	-52	138	107	0.01	0.00	0.01
400 KV Barh -GKP (D/C)	406	476	534	0	10.38	0.00	10.38
400 kV B'Sharif - Varanasi (D/C)	40	-74	133	55	2.11	0.00	2.11
Sub Total ER	2095	2507			66.87	1.13	65.74
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	12.04	-12.04
Sub Total NER	-500	-500			0.00	12.04	-12.04
Total IR Exch	8533	7650			234.16	18.36	215.80

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
45.09	0.36	45.45	0.25	-0.20	21.30	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
67.00	146.73	213.72	53.70	162.10	215.80	-13.29	15.37	2.08

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	-37	-35	0	39	0	1	-0.89

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	0.08	7.19	50.35	70.24	17.43	4.90	0.30	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)		
50.24	22.01	49.79	17.25	50.00	0.046	50.11	49.87	29.76	

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	408	1:52	399	9:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	3:01	400	18:21	0.0	0.0	0.1	0.0	0.1
Bareilly(PG)400kV	400	419	2:02	396	9:15	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	2:02	398	7:23	0.0	0.0	0.0	0.0	0.0
Dadri	400	427	3:00	401	10:15	0.0	0.0	20.5	0.0	20.5
Ballabgarh	400	431	3:04	402	10:17	0.0	0.0	31.7	0.7	31.7
Bawana	400	427	3:59	402	10:16	0.0	0.0	20.8	0.0	20.8
Bassi	400	424	4:02	393	10:16	0.0	0.0	2.2	0.0	2.2
Hissar	400	422	4:00	400	6:55	0.0	0.0	0.6	0.0	0.6
Moga	400	424	20:42	406	7:25	0.0	0.0	6.0	0.0	6.0
Abdullapur	400	427	20:42	410	6:55	0.0	0.0	28.1	0.0	28.1
Nalagarh	400	432	21:24	414	6:59	0.0	0.0	46.9	3.1	46.9
Kishenpur	400	426	23:03	401	18:52	0.0	0.0	0.4	0.0	0.4
Wagoora	400	416	23:04	374	16:30	22.5	80.1	0.0	0.0	22.5
Amritsar	400	426	21:23	406	6:58	0.0	0.0	13.1	0.0	13.1
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	420	1:12	405	9:15	0.0	0.0	0.0	0.0	0.0
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	777	22:00	733	7:51	0.0	4.5	0.0	0.0	0.0
Balia	765	788	2:36	746	18:51	0.0	0.0	0.0	0.0	0.0
Moga	765	805	22:00	767	7:23	0.0	0.0	1.9	0.0	1.9

Agra	765	790	2:01	745	7:53	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	22:00	770	8:06	0.0	0.0	0.7	0.0	0.7
Unnao	765	768	1:14	732	18:42	0.0	45.1	0.0	0.0	0.0
Lucknow	765	801	3:01	760	18:51	0.0	0.0	0.3	0.0	0.3
Meerut	765	808	22:00	755	7:25	0.0	0.0	6.3	0.0	6.3
Jhatikara	765	806	4:00	760	10:15	0.0	0.0	12.5	0.0	12.5
Bareilly 765 kV	765	800	3:01	757	9:16	0.0	0.0	0.0	0.0	0.0
Anta	765	792	4:00	761	8:45	0.0	0.0	0.0	0.0	0.0
Phagi	765	800	3:59	757	7:47	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	484.94	585.65	498.06	1018.16	160.02	396.80
Pong	426.72	384.05	406.22	379.44	408.19	435.19	53.58	258.70
Tehri	829.79	740.04	801.55	637.84	794.70	524.45	38.15	195.00
Koteshwar	612.50	598.50	610.05	4.44	610.85	4.95	195.00	200.17
Chamera-I	760.00	748.75	759.20	0.00	0.00	0.00	49.39	47.63
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	503.32	3.00	496.18	1.94	33.30	94.88

* 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	-544	1	0	-618	-345	0	-18.45	0.53	-17.92
Delhi	-94	-554	0	-276	241	0	-3.87	-0.11	-3.98
Haryana	-847	342	0	-513	298	0	-14.99	5.34	-9.65
HP	433	78	0	348	15	0	11.66	-0.68	10.98
J&K	612	107	0	608	214	0	14.49	5.87	20.36
CHD	0	0	0	0	10	0	0.00	0.37	0.37
Rajasthan	405	399	0	88	343	0	13.63	9.21	22.84
UP	102	0	0	-106	-100	0	-7.40	-1.70	-9.10
Uttarakhand	312	21	0	35	215	0	4.12	3.67	7.79
Total	379	395	0	-432	892	0	-0.82	22.51	21.69

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-534	-1264	340	-764	0	0
Delhi	-20	-289	620	-560	0	0
Haryana	-513	-847	346	-246	0	0
HP	696	279	149	-382	0	0
J&K	612	593	411	-15	0	0
CHD	0	0	58	-31	0	0
Rajasthan	1275	88	658	301	0	0
UP	159	-826	0	-100	0	0
Uttarakhand	312	35	362	3	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	22.22%
ER	0.00%
Simultaneous	0.35%

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

WR	65.63%
ER	0.00%
Simultaneous	32.64%

(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	20
Haryana	0	12
Rajasthan	1	22
Delhi	6	78
UP	1	15
Uttarakhand	2	24
HP	5	40
J & K	1	17
Chandigarh	7	66

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 17.01.2017 :

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 : 17.01.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER