

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.02.2017

Date of Reporting : 18.02.2017



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
40668	448	41116	49.98	31042	404	31446	49.99	882.70	10.93

* 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	39.42	8.98	0.24	48.64	53.65	52.63	-1.02	101.27	0.00
Haryana	27.10	0.24	0.00	27.34	95.81	95.73	-0.08	123.07	0.00
Rajasthan	129.60	4.10	7.15	140.85	64.29	68.15	3.86	208.99	0.06
Delhi	11.68		0.00	11.68	51.07	50.77	-0.31	62.45	0.00
UP	173.71	7.08	0.00	180.79	99.35	100.93	1.58	281.72	0.45
Uttarakhand		8.56	0.00	14.91	20.93	20.51	-0.42	35.42	0.00
HP		5.78	2.69	5.78	18.90	18.86	-0.04	24.64	0.00
J & K		9.01	0.00	9.01	34.71	32.69	-2.02	41.70	10.43
Chandigarh				0.00	3.67	3.43	-0.24	3.43	0.00
Total	381.52	43.75	10.08	439.00	442.37	443.69	1.32	882.70	10.93

* Shortage furnished by the respective constituent's 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	4977	0	24	-304	3333	0	50	-504	5220	8:00	0
Haryana	6074	0	-118	-25	3463	0	-48	-236	6422	7:00	0
Rajasthan	8574	0	39	-236	8097	0	219	255	10078	8:00	30
Delhi	2982	0	-189	-298	1435	0	-58	-776	3604	11:00	0
UP	13114	0	112	-127	11085	0	56	107	13157	7:00	0
Uttarakhand	1850	0	129	365	1220	0	13	314	1857	8:00	0
HP	1119	0	-7	118	710	0	-8	474	1409	9:00	0
J&K	1791	448	-233	675	1616	404	-72	425	1999	21:00	500
Chandigarh	187	0	-25	-10	85	0	-12	0	205	9:00	0
Total	40668	448	-267	157	31042	404	141	59	42010	8:00	498

* STOA figures are at seller's 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	1595	1820	1389	38.02	1584	38.00	0.02	
Rihand I STPS (2*500)	1000	484	467	377	10.27	428	10.33	-0.07	
Rihand II STPS (2*500)	1000	960	892	745	20.80	867	21.06	-0.26	
Rihand III STPS (2*500)	1000	965	922	702	20.52	855	20.63	-0.11	
Dadri I STPS (4*210)	840	815	317	280	7.95	331	8.54	-0.60	
Dadri II STPS (2*490)	980	980	441	338	9.70	404	10.63	-0.93	
Unchahar I TPS (2*210)	420	407	323	295	7.56	315	8.08	-0.52	
Unchahar II TPS (2*210)	420	405	312	303	7.03	293	7.36	-0.33	
Unchahar III TPS (1*210)	210	203	157	154	3.50	146	3.62	-0.12	
ISTPP (Jhajjar) (3*500)	1500	1440	800	600	17.58	733	17.99	-0.41	
Dadri GPS (4*130.19+2*154.51)	830	818	165	211	4.37	182	4.72	-0.34	
Anta GPS (3*88.71+1*153.2)	419	420	0	0	0.00	0	0.03	-0.03	
Auraiya GPS (4*111.19+2*109.30)	663	644	0	0	0.00	0	0.05	-0.05	
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar(10)	10	2	0	0	0.04	2	0.06	-0.02	
Singrauli Solar(15)	15	3	0	0	0.05	2	0.06	-0.01	
KHEP(4*200)	800	655	652	0	1.94	81	1.97	-0.03	
Sub Total (A)	12112	10795	7268	5394	149	6222	153	-3.80	
B. NPC									
NAPS (2*220)	440	412	449	451	9.87	411	9.89	-0.01	
RAPS- B (2*220)	440	383	429	424	9.15	381	9.19	-0.05	
RAPS- C (2*220)	440	410	439	446	9.52	397	9.84	-0.32	
Sub Total (B)	1320	1205	1317	1321	28.54	1189	28.92	-0.38	
C. NHPC									
Chamera I HPS (3*180)	540	548	554	0	2.35	98	2.20	0.15	
Chamera II HPS (3*100)	300	301	307	0	1.52	64	1.45	0.07	
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00	
Bairasuli HPS(3*60)	180	179	185	0	1.92	80	1.83	0.09	
Salal-HPS (6*115)	690	252	416	345	6.74	281	6.05	0.70	
Tanakpur-HPS (3*31.4)	94	18	25	14	0.52	22	0.42	0.10	
Uri-I HPS (4*120)	480	431	471	436	10.76	448	10.34	0.42	
Uri-II HPS (4*60)	240	185	188	184	4.45	185	4.44	0.01	
Dhauliganga-HPS (4*70)	280	140	137	0	0.80	33	0.70	0.10	
Dulhasti-HPS (3*130)	390	387	397	0	2.80	117	2.70	0.10	
Sewa-II HPS (3*40)	120	119	128	0	1.60	67	1.60	0.00	
Parbati 3 (4*130)	520	130	0	132	0.39	16	0.39	0.00	
Sub Total (C)	4065	2689	2808	1112	34	1410	32	1.74	
D.SJVNL									
NJPC (6*250)	1500	1544	1349	0	5.39	225	5.60	-0.21	
Rampur HEP (6*88.67)	412	375	371	0	1.52	63	1.52	0.00	
Sub Total (D)	1912	1919	1720	0	6.91	288	7.12	-0.21	
E. THDC									
Tehri HPS (4*250)	1000	868	859	0	8.35	348	8.40	-0.05	
Koteshwar HPS (4*100)	400	146	401	90	3.52	147	3.50	0.02	
Sub Total (E)	1400	1014	1260	90	11.88	495	11.90	-0.02	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	532	1124	362	13.30	554	12.77	0.53	
Dehar HPS (6*165)	990	129	495	0	3.23	135	3.10	0.14	
Pong HPS (6*66)	396	217	315	0	5.20	217	5.21	-0.01	
Sub Total (F)	2765	878	1934	362	21.74	906	21.08	0.66	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.42	17	0.39	0.02	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	545	0	3.18	133	3.25	-0.07	
Malana Stg-II HPS (2*50)	100	0	0	0	0.26	11	0.24	0.02	
Shree Cement TPS (2*150)	300	0	297	171	6.09	254	6.17	-0.08	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00	
Sub Total (G)	1662	0	842	171	9.95	415	10.06	-0.10	
H. Total Regional Entities (A-G)	25237	18500	17149	8449	262.18	10924	264.30	-2.12	

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	-0.12	-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	-0.10	-4
	Goidwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	660	660	22.96	957
	Talwandi Saboo (3*660)	1980	616	616	16.71	696
	Thermal (Total)	6560	1276	1276	39.42	1643
	Total Hydro	1000	489	240	8.98	374
	Wind Power	0	0	0	0.00	0
	Biomass	288	7	7	0.18	7
	Solar	560	0	0	0.06	3
	Renewable(Total)	848	7	7	0.24	10
	Total Punjab	8408	1772	1523	48.64	2027
Haryana	Panipat TPS (2*210+2*250)	920	414	411	10.49	437
	DCRTPP (Yamuna nagar) (2*300)	600	478	470	12.25	511
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	196	153	4.36	182
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4497	1088	1034	27.10	1129
	Total Hydro	62	5	7	0.24	10
	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	1093	1041	27.34	1139
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	860	875	23.30	971
	suratgarh TPS (6*250)	1500	184	181	4.70	196
	Chabra TPS (4*250)	1000	797	741	20.90	871
	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	167	174	4.10	171
	RAPS A (NPC) (1*100+1*200)	300	152	170	4.40	183
	Barsingar (NLC) (2*125)	250	214	216	5.10	213
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	560	544	15.50	646
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	869	832	23.80	992
	Kawai(Adani) (2*660)	1320	1188	1070	27.80	1158
	Thermal (Total)	8876	4991	4803	129.60	5400
	Total Hydro	550	150	240	4.10	171
	Wind power	4017	313	507	9.60	400
	Biomass	99	13	13	0.30	13
	Solar	1295	0	0	-2.76	-115
	Renewable/Others (Total)	5411	326	520	7.15	298
	Total Rajasthan	14837	5467	5563	140.85	5869
UP	Anpara TPS (3*210+2*500)	1630	1420	1429	34.23	1426
	Obra TPS (2*50+2*94+5*200)	1194	356	196	8.59	358
	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	222	156	4.32	180
	Tanda TPS (NTPC) (4*110)	440	387	210	7.67	319
	Roza TPS (IPP) (4*300)	1200	554	374	12.24	510
	Anpara-C (IPP) (2*600)	1200	1067	1081	24.96	1040
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	713	815	19.41	809
	Lalitpur TPS(3*660)	1980	1265	1071	28.55	1190
	Bara(2*660)	1320	559	550	13.35	556
	Thermal (Total)	12449	6543	5882	153.31	6388
	Vishnuparyag HPS (IPP)(4*110)	440	68	70	1.59	66
	Alakanada(4*82.5)	330	75	0	1.01	42
	Other Hydro	527	204	227	4.48	187
	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	7740	7029	180.79	7533	
Uttarakhand	Other Hydro	1250	399	319	8.56	357
	Total Gas	225	276	269	6.31	263
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.04	2
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.04	2
	Total Uttarakhand	1802	675	588	14.91	621
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	70	72	1.92	80
	Pragati Gas Turbine (2x104+ 1x122)	330	155	159	3.79	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	280	6.11	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	-0.14	-6
	Thermal (Total)	2917	476	511	11.68	487
	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	476	511	11.68	487
	HP	Baspa HPS (IPP) (3*100)	300	0	0	0.94
Malana HPS (IPP) (2*43)		86	0	0	0.23	10
Other Hydro		372	83	29	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	117	104	2.69	112
Renewable(Total)		486	117	104	2.69	112
Total HP		1244	199	133	5.78	241
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	296	267	6.10
	Other Hydro/IPP(including 98 MW Small Hydro)	308	131	109	2.91	121
	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	427	376	9	375	

Total State Control Area Generation	50078	17850	16765	439.00	18292
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8132	7198	203.88	8495
Total Regional Availability(Gross)	75315	43131	32412	905.07	37711

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8919	1564	80.17	3340
State Control Area Hydro	7163	2292	1881	43.75	2087
Total Regional Hydro	19397	11211	3445	123.91	5428

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.10	4
State Control Area Renewable	7356	450	632	10.12	422
Total Regional Renewable	7386	450	632	10.22	426

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)	-100	-500	0	500	0.00	5.95	-5.95
765 KV Gwalior-Agra (D/C)	2396	2245	2785	0	60.53	0.00	60.53
400 KV Zerda-Kankroli	-40	-130	35	175	0.00	1.31	-1.31
400 KV Zerda-Bhimnal	58	11	206	130	1.31	0.00	1.31
220 KV Auraiya-Malanpur	-65	-61	0	89	0.00	1.20	-1.20
220 KV Badod-Kota/Morak	-30	-23	30	45	0.00	0.60	-0.60
Mundra-Mohinderghar(HVDC Bipole)	2398	2002	2405	0.00	55.94	0.00	55.94
400 KV RAPP-C-Sujalpur	250	239	383	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)	1044	1195	1454	0	29.59	0.00	29.59
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	5911	4978			153.42	9.07	144.35
400 kV Sasaram - Varanasi	167	190	198	0	4.42	0.00	4.42
400 kV Sasaram - Allahabad	73	52	86	0	1.52	0.00	1.52
400 KV MZP- GKP (D/C)	173	336	456	0	7.16	0.00	7.16
400 KV Patna-Balia(D/C) X 2	652	597	818	0	16.25	0.00	16.25
400 KV B'Sharif-Balia (D/C)	96	149	159	0	4.26	0.00	4.26
765 KV Gaya-Balia	260	284	354	0	7.05	0.00	7.05
765 KV Gaya-Varanasi (D/C)	524	449	786	0	14.42	0.00	14.42
220 KV Pusauli-Sahupuri	216	180	216	0	4.23	0.00	4.23
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-27	-24	0	30	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	105	46	121	0	0.19	0.00	0.19
400 KV Barh -GKP (D/C)	482	480	582	0	11.37	0.00	11.37
400 kV B'Sharif - Varanasi (D/C)	0	-19	156	52	1.42	0.00	1.42
Sub Total ER	2721	2720			72.29	0.58	71.71
+/- 800 KV Biswanath Chariali-Agra	-500	-500	0	500.00	0.00	12.18	-12.18
Sub Total NER	-500	-500			0.00	12.18	-12.18
Total IR Exch	8132	7198			225.71	21.82	203.88

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
52.98	0.19	53.17	-2.27	0.88	5.28	0.00	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incls Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
56.18	144.04	200.23	59.54	144.35	203.88	3.36	0.30	3.66

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	-35	-34	0	39	0	1	-0.88

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	2.29	36.70	69.13	21.98	6.42	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)		
50.34	18.02	49.85	18.33	50.02	0.037	0.058	50.13	49.91	30.87

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	409	2:19	400	15:31	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	1:59	403	9:13	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	18:02	401	6:41	0.0	0.0	0.2	0.0	0.2
Kanpur	400	414	2:02	400	6:40	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	2:32	404	6:42	0.0	0.0	17.8	0.0	17.8
Ballabgarh	400	421	2:01	401	6:42	0.0	0.0	0.3	0.0	0.3
Bawana	400	424	1:10	406	6:43	0.0	0.0	20.6	0.0	20.6
Bassi	400	425	18:02	398	6:40	0.0	0.0	7.1	0.0	7.1
Hissar	400	421	20:57	400	6:39	0.0	0.0	0.0	0.0	0.0
Moga	400	422	20:24	405	6:42	0.0	0.0	1.2	0.0	1.2
Abdullapur	400	427	20:55	413	6:38	0.0	0.0	32.1	0.0	32.1
Nalagarh	400	433	20:54	414	6:45	0.0	0.0	58.0	3.0	58.0
Kishenpur	400	416	2:00	404	6:36	0.0	0.0	0.0	0.0	0.0
Wagoora	400	399	12:34	373	19:48	45.7	99.7	0.0	0.0	45.7
Amritsar	400	428	20:23	412	6:40	0.0	0.0	30.8	0.0	30.8
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	21:01	412	0:00	0.0	0.0	4.2	0.0	4.2
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	772	1:59	740	5:24	0.0	0.7	0.0	0.0	0.0
Balia	765	785	23:45	760	18:42	0.0	0.0	0.0	0.0	0.0

Moga	765	802	20:22	772	22:18	0.0	0.0	0.9	0.0	0.9
Agra	765	787	18:00	751	5:26	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	0:02	773	6:37	0.0	0.0	5.3	0.0	5.3
Unnao	765	773	1:59	747	8:39	0.0	0.0	0.0	0.0	0.0
Lucknow	765	788	20:59	761	18:44	0.0	0.0	0.0	0.0	0.0
Meerut	765	807	20:27	764	5:24	0.0	0.0	3.7	0.0	3.7
Jhatikara	765	800	0:01	765	6:42	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	798	20:55	741	10:19	34.5	34.5	0.0	0.0	34.5
Anta	765	789	4:04	763	8:32	0.0	0.0	0.0	0.0	0.0
Phagi	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	477.62	407.63	491.05	768.41	97.81	456.27
Pong	426.72	384.05	402.42	273.51	401.21	244.95	56.15	372.14
Tehri	829.79	740.04	787.40	418.00	779.10	309.00	36.77	219.00
Koteshwar	612.50	598.50	609.80	4.44	611.17	5.13	219.00	232.05
Chamera-I	760.00	748.75	758.44	0.00	0.00	0.00	70.08	70.08
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	504.44	1.50	495.79	0.32	74.04	67.10

* 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	-101	-403	0	-101	-203	0	-6.41	-3.62	-10.04
Delhi	-176	-600	0	-289	-9	0	-6.04	-2.74	-8.78
Haryana	-627	391	0	-315	290	0	-10.11	6.61	-3.50
HP	366	108	0	205	-87	0	9.44	-1.04	8.40
J&K	425	0	0	418	257	0	9.98	3.42	13.40
CHD	0	0	0	0	-10	0	0.00	-0.02	-0.02
Rajasthan	23	233	0	12	-248	0	8.08	0.96	9.04
UP	107	0	0	-27	-100	0	-5.94	-1.95	-7.88
Uttarakhand	121	193	0	0	365	0	1.38	7.03	8.41
Total	137	-78	0	-98	255	0	0.39	8.64	9.03

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-657	0	-506	0	0
Delhi	-176	-330	428	-665	0	0
Haryana	-315	-627	394	-55	0	0
HP	561	114	108	-411	0	0
J&K	425	406	449	-96	0	0
CHD	0	0	29	-46	0	0
Rajasthan	916	7	234	-842	0	0
UP	158	-701	0	-100	0	0
Uttarakhand	121	0	543	137	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	9.72%
ER	0.00%
Simultaneous	20.49%

(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	16
Haryana	1	23
Rajasthan	1	20
Delhi	7	27
UP	0	12
Uttarakhand	1	13
HP	2	23
J & K	3	14
Chandigarh	3	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 17.02.2017 :

XVI. Synchronisation of new generating units :

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

	0
	0.00
	0
0	
	0.00

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 : 17.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER