

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 18.02.2017

Date of Reporting : 19.02.2017



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
40395	473	40869	49.98	30874	395	31269	49.99	879.19	10.67

* 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	36.20	9.46	0.20	45.87	55.60	57.46	1.86	103.33	0.00
Haryana	27.52	0.28	0.00	27.81	95.29	94.44	-0.85	122.24	0.00
Rajasthan	131.56	4.08	5.11	140.75	68.71	72.08	3.36	212.82	0.03
Delhi	11.77	0.00	0.00	11.77	47.50	46.75	-0.75	58.52	0.04
UP	172.36	5.71	0.00	178.06	99.98	99.22	-0.76	277.28	0.00
Uttarakhand	9.17	0.00	0.00	14.28	20.70	20.26	-0.44	34.54	0.00
HP	6.50	2.94	0.00	6.50	18.58	18.20	-0.39	24.70	0.00
J & K	9.01	0.00	0.00	9.01	37.46	33.41	-4.04	42.43	10.61
Chandigarh	0.00	0.00	0.00	0.00	3.67	3.33	-0.34	3.33	0.00
Total	379.40	44.21	8.25	434.04	447.49	445.15	-2.34	879.19	10.67

* 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	5055	0	88	-506	3591	0	206	-100	5098	7:00	0
Haryana	6003	0	-59	-30	3403	0	-25	-309	6273	7:00	0
Rajasthan	8693	0	161	142	8375	0	173	263	10126	8:00	6
Delhi	2777	0	-191	-357	1492	0	-12	-928	3387	11:00	0
UP	12932	0	-226	-138	10419	0	-237	7	13547	20:00	0
Uttarakhand	1765	0	21	262	1199	0	-19	196	1824	8:00	0
HP	1101	0	-86	124	732	0	-119	468	1380	8:00	0
J&K	1894	473	-238	678	1578	395	-146	425	2056	21:00	514
Chandigarh	175	0	-15	-10	85	0	-18	0	186	9:00	0
Total	40395	473	-546	165	30874	395	-197	22	41693	20:00	510

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

Diversity is 1.05

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

III. Regional Entities :

Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
			(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1690	1832	1788	40.54	1689	40.42	0.12
Rihand I STPS (2*500)	1000	484	436	438	16.40	684	16.00	0.40
Rihand II STPS (2*500)	1000	960	960	855	21.99	916	21.84	0.15
Rihand III STPS (2*500)	1000	948	930	824	21.18	882	21.23	-0.06
Dadri I STPS (4*210)	840	815	401	296	7.87	328	8.39	-0.52
Dadri II STPS (2*490)	980	980	456	355	9.56	398	10.25	-0.69
Unchahar I TPS (2*210)	420	407	343	305	7.68	320	8.18	-0.50
Unchahar II TPS (2*210)	420	405	314	291	7.17	299	7.49	-0.32
Unchahar III TPS (1*210)	210	203	157	154	3.57	149	3.72	-0.15
ISTPP (Jhajjar) (3*500)	1500	1440	943	597	17.11	713	17.50	-0.39
Dadri GPS (4*130.19+2*154.51)	830	818	162	207	4.39	183	4.83	-0.44
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	0.00	0	0.02	-0.02
Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	-0.01
Singrauli Solar(15)	15	2	0	0	0.05	2	0.06	0.00
KHEP(4*200)	800	655	651	0	1.93	80	1.97	-0.04
Sub Total (A)	12112	10872	7585	6110	159	6645	162	-2.47
B. NPC								
NAPS (2*220)	440	412	437	452	9.74	406	9.89	-0.15
RAPS- B (2*220)	440	383	424	429	9.17	382	9.19	-0.02
RAPS- C (2*220)	440	410	440	444	9.49	395	9.84	-0.35
Sub Total (B)	1320	1205	1301	1325	28.40	1183	28.92	-0.52
C. NHPC								
Chamera I HPS (3*180)	540	548	550	0	2.34	98	2.20	0.14
Chamera II HPS (3*100)	300	301	310	0	2.06	86	1.83	0.23
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
Bairasuli HPS(3*60)	180	179	183	0	2.14	89	2.09	0.05
Salal-HPS (6*115)	690	179	320	177	4.91	205	4.29	0.63
Tanakpur-HPS (3*31.4)	94	17	31	14	0.47	20	0.40	0.08
Uri-I HPS (4*120)	480	464	473	473	11.46	478	11.13	0.33
Uri-II HPS (4*60)	240	201	245	187	4.91	205	4.85	0.07
Dhauliganga-HPS (4*70)	280	140	139	0	0.93	39	0.84	0.09
Dulhasti-HPS (3*130)	390	387	400	0	3.04	127	2.90	0.14
Sewa-II HPS (3*40)	120	119	127	81	2.75	115	2.71	0.04
Parbati 3 (4*130)	520	130	131	0	0.41	17	0.39	0.02
Sub Total (C)	4065	2664	2910	932	35	1476	34	1.82
D.SJVNL								
NJPC (6*250)	1500	1370	1357	0	6.19	258	6.20	-0.01
Rampur HEP (6*88.67)	412	375	372	0	1.71	71	1.72	-0.01
Sub Total (D)	1912	1745	1729	0	7.90	329	7.92	-0.02
E. THDC								
Tehri HPS (4*250)	1000	860	854	0	8.42	351	8.40	0.02
Koteshwar HPS (4*100)	400	138	397	89	3.35	139	3.30	0.05
Sub Total (E)	1400	998	1251	89	11.76	490	11.70	0.06
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	519	1108	341	13.12	547	12.46	0.65
Dehar HPS (6*165)	990	176	495	0	4.31	179	4.22	0.09
Pong HPS (6*66)	396	221	310	0	5.20	217	5.30	-0.10
Sub Total (F)	2765	916	1913	341	22.63	943	21.98	0.64
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.48	20	0.46	0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.60	150	3.56	0.04
Malana Stg-II HPS (2*50)	100	0	0	0	0.25	11	0.24	0.02
Shree Cement TPS (2*150)	300	0	298	171	6.17	257	6.19	-0.02
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
Sub Total (G)	1662	0	928	171	10.50	438	10.44	0.06
H. Total Regional Entities (A-G)	25237	18400	17616	8968	276.10	11504	276.52	-0.42

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	-0.11	-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	330	17.29	720
	Talwandi Saboo (3*660)	1980	616	716	19.16	798
	Thermal (Total)	6560	1276	1046	36.20	1508
	Total Hydro	1000	432	289	9.46	394
	Wind Power	0	0	0	0.00	0
	Biomass	288	6	6	0.14	6
	Solar	560	0	0	0.06	3
	Renewable(Total)	848	6	6	0.20	8
	Total Punjab	8408	1714	1341	45.87	1911
Haryana	Panipat TPS (2*210+2*250)	920	396	404	10.64	443
	DCRTPP (Yamuna nagar) (2*300)	600	510	461	12.42	518
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	189	161	4.46	186
	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	1095	1026	27.52	1147
	Total Hydro	62	8	9	0.28	12
	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	1103	1035	27.81	1159
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	935	867	22.75
suratgarh TPS (6*250)		1500	184	180	4.79	200
Chabra TPS (4*250)		1000	805	896	21.47	895
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	168	170	3.50	146
RAPS A (NPC) (1*100+1*200)		300	165	152	4.37	182
Barsingar (NLC) (2*125)		250	216	217	5.12	213
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	584	712	16.49	687
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	827	1048	24.40	1017
Kawai(Adani) (2*660)		1320	1197	1198	28.67	1195
Thermal (Total)		8876	5081	5440	131.56	5482
Total Hydro		550	131	172	4.08	170
Wind power		4017	248	176	4.63	193
Biomass		99	20	20	0.49	20
Solar		1295	0	0	0.00	0
Renewable/Others (Total)		5411	268	196	5.11	213
Total Rajasthan		14837	5480	5808	140.75	5864
UP		Anpara TPS (3*210+2*500)	1630	1418	1315	33.60
	Obra TPS (2*50+2*94+5*200)	1194	475	287	9.49	395
	Paricha TPS (2*110+2*220+2*250)	1160	0	0	0.00	0
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaqanj TPS (1*60+1*105+2*250)	665	158	160	3.97	165
	Tanda TPS (NTPC) (4*110)	440	380	310	8.52	355
	Roza TPS (IPP) (4*300)	1200	549	374	11.91	496
	Anpara-C (IPP) (2*600)	1200	1067	1076	25.50	1062
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	831	711	18.40	767
	Lalitpur TPS(3*660)	1980	1174	1056	28.15	1173
	Bara(2*660)	1320	542	374	12.42	518
	Thermal (Total)	12449	6594	5663	151.96	6331
	Vishnuparyag HPS (IPP)(4*110)	440	68	68	1.62	68
	Alakanada(4*82.5)	330	77	0	1.01	42
	Other Hydro	527	197	122	3.07	128
	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	7786	6703	178.06	7419
	Uttarakhand	Other Hydro	1250	481	343	9.17
Total Gas		225	186	253	5.06	211
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		20	0	0	0.05	2
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		327	0	0	0.05	2
Total Uttarakhand		1802	667	596	14.28	595
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	71	1.90	79
	Pragati Gas Turbine (2x104+ 1x122)	330	153	158	3.77	157
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	280	6.10	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	475	510	11.77	490
	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	475	510	11.77	490
	HP	Baspa HPS (IPP) (3*100)	300	0	0	1.09
Malana HPS (IPP) (2*43)		86	0	0	0.30	13
Other Hydro		372	83	76	2.18	91
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	128	115	2.94	122
Renewable(Total)		486	128	115	2.94	122
Total HP		1244	211	191	6.50	271
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	296	267	6.11
	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	376	

Total State Control Area Generation	50078	17863	16559	434.04	18085
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7918	6990	209.37	8724
Total Regional Availability(Gross)	75315	43397	32517	919.50	38313

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9083	1362	83.98	3499
State Control Area Hydro	7163	2218	1823	44.21	2055
Total Regional Hydro	19397	11301	3184	128.19	5554

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.09	4
State Control Area Renewable	7356	402	317	8.30	346
Total Regional Renewable	7386	402	317	8.39	350

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	-350	0	350	0.00	4.75	-4.75
765 KV Gwalior-Agra (D/C)	2397	2145	2779	0	59.37	0.00	59.37
400 KV Zerda-Kankroli	-84	-138	99	178	0.00	1.50	-1.50
400 KV Zerda-Bhimnal	28	-5	250	67	1.40	0.00	1.40
220 KV Auraiya-Malanpur	-82	-71	0	94	0.00	1.49	-1.49
220 KV Badod-Kota/Morak	-34	-57	18	-57	0.00	-0.69	0.69
Mundra-Mohinderghar(HVDC Bipole)	2503	2398	2505	0.00	57.41	0.00	57.41
400 KV RAPPCC-Sujalpur	-286	-180	-360	0	6.48	0.00	6.48
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1121	1007	1495	0	28.33	0.00	28.33
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	5513	4749			152.99	7.05	145.93
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)	206	324	444	0	6.28	0.00	6.28
400 KV Patna-Balia(D/C) X 2	690	648	819	0	16.87	0.00	16.87
400 KV B'Sharif-Balia (D/C)	128	165	289	0	4.56	0.00	4.56
765 KV Gaya-Balia	307	264	403	0	7.88	0.00	7.88
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	-20	0	-28	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)	516	462	554	0	11.32	0.00	11.32
400 kV B'Sharif - Varanasi (D/C)		-19	156	52	1.42	0.00	1.42
Sub Total ER	2905	2741			73.11	-0.58	73.69
+/- 800 KV BiswanathChariali-Agra	-500	-500	0	500.00	0.00	10.25	-10.25
Sub Total NER	-500	-500			0.00	10.25	-10.25
Total IR Exch	7918	6990			226.10	16.73	209.37

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
51.48	0.13	51.61	-2.06	0.65	5.12	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
54.67	144.47	199.14	63.44	145.93	209.37	8.77	1.46	10.22

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	-36	-35	0	40	0	0	-0.47

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	0.21	5.43	51.54	74.94	15.81	3.66	0.22	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.24	18.02	49.78	8.10	50.00	0.037	0.061	0.00	0.00	25.06

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	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Gorakhpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bareilly(PG)400kV	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Kanpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Dadri	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Ballabgarh	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bawana	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bassi	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Hissar	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Moga	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Abdullapur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Nalagarh	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Kishenpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Wagoora	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Amritsar	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Kashipur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Hamirpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Rishikesh	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Balia	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

Moga	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Agra	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bhiwani	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Unnao	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Lucknow	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Meerut	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Jhatikara	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bareilly 765 kV	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Anta	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
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	477.29	401.01	490.74	758.57	126.52	443.87
Pong	426.72	384.05	402.23	273.51	400.91	237.89	56.86	369.70
Tehri	829.79	740.04	786.85	409.00	778.50	302.00	46.83	222.00
Koteshwar	612.50	598.50	609.69	4.44	611.07	4.95	222.00	220.34
Chamera-I	760.00	748.75	758.75	0.00	0.00	0.00	81.17	63.58
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	504.43	1.67	495.80	0.29	79.73	69.50

* 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	1	0	-101	-405	0	-6.41	-1.85	-8.26
Delhi	-174	-754	0	-289	-68	0	-6.05	-5.01	-11.06
Haryana	-627	318	0	-319	289	0	-10.12	5.69	-4.43
HP	366	102	0	205	-81	0	9.68	-1.11	8.56
J&K	425	0	0	421	257	0	9.99	3.61	13.61
CHD	0	0	0	0	-10	0	0.00	-0.09	-0.09
Rajasthan	22	241	0	12	129	0	8.07	3.54	11.62
UP	107	-100	0	-38	-100	0	-6.07	-2.40	-8.47
Uttarakhand	121	75	0	0	262	0	1.17	6.61	7.78
Total	138	-116	0	-108	273	0	0.25	9.00	9.26

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-657	1	-506	0	0
Delhi	-172	-331	406	-769	0	0
Haryana	-319	-627	394	-77	0	0
HP	594	165	102	-415	0	0
J&K	425	406	445	-96	0	0
CHD	0	0	34	-56	0	0
Rajasthan	916	12	242	-259	0	0
UP	147	-707	-100	-100	0	0
Uttarakhand	121	0	544	43	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	1.39%
ER	0.00%
Simultaneous	5.56%

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

WR	13.89%
ER	3.13%
Simultaneous	40.63%

(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	3	26
Haryana	2	13
Rajasthan	3	16
Delhi	2	18
UP	0	9
Uttarakhand	0	8
HP	3	30
J & K	2	20
Chandigarh	1	21

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 18.02.2017 :

XVI. Synchronisation of new generating units :

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

- 1.HVDC Pole-3 at Agra, was de blocked at 12.08hrs/18.02.17 on Pole-1 of Agra-BNC with power flow about 300 MW from BNC to Agra and.(Test charged) manually tripped at 12.26 hrs / 18.02.16 due to tech problem.
2. charging sequence of 400 KV Dehradun extension bays (PG)
 - a. Bay 409 charged on 13:49 hrs (no CB provision in this bay)
 - b. Bay 407 CB closed at 14:02 hrs
 - c. Bay 408 CB closed at 14:07 hrs & Bay 410 CB closed at 14:50 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 : 18.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER