

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 16.02.2017

Date of Reporting : 17.02.2017



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
41809	482	42291	49.98	30885	412	31297	49.99	890.58	15.52

* 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	47.01	8.97	0.26	56.24	53.14	54.61	1.47	110.85	0.00
Haryana	27.73	0.00	0.00	27.73	94.21	93.72	-0.49	121.45	0.00
Rajasthan	128.90	3.40	15.02	147.32	65.91	68.70	2.80	216.03	0.88
Delhi	11.78	0.00	0.00	11.78	49.19	49.47	0.28	61.25	0.00
UP	176.71	5.60	0.00	182.32	92.77	95.43	2.66	277.75	4.17
Uttarakhand	7.40	0.00	0.00	13.99	18.72	18.97	0.25	32.96	0.00
HP	5.40	0.00	2.44	5.40	18.72	19.69	0.97	25.09	0.00
J & K	7.34	0.00	0.00	7.34	35.76	34.51	-1.25	41.85	10.46
Chandigarh				0.00	3.57	3.36	-0.21	3.36	0.00
Total	392.14	38.11	17.72	452.12	431.98	438.46	6.48	890.58	15.52

* 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	6164	0	31	-304	3337	0	191	-251	6164	19:00	0
Haryana	6004	0	-147	-36	3419	0	71	-240	6411	7:00	0
Rajasthan	8863	0	-37	100	8358	0	77	323	10418	8:00	205
Delhi	2956	0	-134	-420	1486	0	66	-842	3441	11:00	0
UP	12699	0	-168	-127	10810	0	168	107	12803	7:00	0
Uttarakhand	1867	0	173	306	965	0	-9	134	1867	19:00	0
HP	1152	0	-120	101	777	0	-27	506	1451	8:00	0
J&K	1926	482	-117	601	1648	412	-41	425	1949	7:00	487
Chandigarh	178	0	-16	-10	85	0	-4	0	198	8:00	0
Total	41809	482	-535	211	30885	412	493	162	42263	8:00	682

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

Diversity is 1.06

III. Regional Entities :

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

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	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1190	1282	1169	28.48	1186	28.08	0.39
Rihand I STPS (2*500)	1000	484	491	384	10.81	451	10.92	-0.10
Rihand II STPS (2*500)	1000	960	987	756	21.77	907	21.80	-0.03
Rihand III STPS (2*500)	1000	965	940	768	21.93	914	22.23	-0.30
Dadri I STPS (4*210)	840	815	353	275	7.69	320	8.19	-0.50
Dadri II STPS (2*490)	980	980	438	326	9.66	403	10.61	-0.94
Unchahar I TPS (2*210)	420	407	412	284	7.90	329	8.43	-0.53
Unchahar II TPS (2*210)	420	405	381	312	8.01	334	8.29	-0.28
Unchahar III TPS (1*210)	210	203	208	159	3.94	164	4.25	-0.31
ISTPP (Jhajjar) (3*500)	1500	1440	743	620	17.96	748	18.35	-0.39
Dadri GPS (4*130.19+2*154.51)	830	818	202	208	4.48	186	4.91	-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	0.02	1	0.02	0.00
Unchahar Solar(10)	10	2	0	0	0.04	2	0.06	-0.02
Singrauli Solar(15)	15	2	0	0	0.06	3	0.05	0.01
KHEP(4*200)	800	655	652	0	1.93	80	1.97	-0.04
Sub Total (A)	12112	10391	7089	5261	145	6028	148	-3.47
B. NPC								
NAPS (2*220)	440	412	441	451	9.87	411	9.89	-0.02
RAPS- B (2*220)	440	384	426	429	9.20	383	9.22	-0.02
RAPS- C (2*220)	440	410	438	452	9.61	401	9.84	-0.23
Sub Total (B)	1320	1206	1305	1332	28.68	1195	28.94	-0.26
C. NHPC								
Chamera I HPS (3*180)	540	548	559	0	2.60	108	2.40	0.20
Chamera II HPS (3*100)	300	301	306	0	1.36	57	1.28	0.08
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
Bairasuli HPS(3*60)	180	136	182	0	1.36	57	1.34	0.02
Salal-HPS (6*115)	690	128	312	122	3.83	159	3.06	0.77
Tanakpur-HPS (3*31.4)	94	17	14	17	0.47	19	0.40	0.07
Uri-I HPS (4*120)	480	377	471	359	9.42	392	9.05	0.36
Uri-II HPS (4*60)	240	184	187	187	4.45	185	4.42	0.03
Dhauliganga-HPS (4*70)	280	140	142	0	1.01	42	0.91	0.10
Dulhasti-HPS (3*130)	390	387	384	0	2.66	111	2.50	0.16
Sewa-II HPS (3*40)	120	119	127	0	1.98	82	2.00	-0.02
Parbati 3 (4*130)	520	130	133	0	0.39	16	0.39	0.00
Sub Total (C)	4065	2466	2817	685	30	1230	28	1.78
D.SJVNL								
NJPC (6*250)	1500	1615	1194	0	5.52	230	5.60	-0.08
Rampur HEP (6*88.67)	412	371	375	0	1.50	63	1.50	0.00
Sub Total (D)	1912	1986	1569	0	7.02	292	7.10	-0.08
E. THDC								
Tehri HPS (4*250)	1000	872	855	0	8.00	333	8.00	0.00
Koteshwar HPS (4*100)	400	133	403	88	3.24	135	3.20	0.04
Sub Total (E)	1400	1005	1258	88	11.24	468	11.20	0.04
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	547	1122	362	13.50	563	13.12	0.38
Dehar HPS (6*165)	990	140	495	0	3.52	147	3.35	0.17
Pong HPS (6*66)	396	229	315	0	5.41	226	5.49	-0.08
Sub Total (F)	2765	915	1932	362	22.44	935	21.96	0.47
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.38	0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	545	0	2.96	123	3.08	-0.12
Malana Stg-II HPS (2*50)	100	0	0	0	0.23	9	0.21	0.01
Shree Cement TPS (2*150)	300	0	0	0	6.13	255	6.13	0.00
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
Sub Total (G)	1662	0	545	0	9.72	405	9.81	-0.08
H. Total Regional Entities (A-G)	25237	17969	16515	7728	253.29	10554	254.89	-1.61

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

	Rajpura (2*700)	1400	1320	660	26.44	1102
	Talwandi Saboo (3*660)	1980	1114	616	20.82	868
	Thermal (Total)	6560	2434	1276	47.01	1959
	Total Hydro	1000	351	245	8.97	374
	Wind Power	0	0	0	0.00	0
	Biomass	288	8	8	0.19	8
	Solar	560	0	0	0.07	3
	Renewable(Total)	848	8	8	0.26	11
	Total Punjab	8408	2793	1529	56.24	2344
Haryana	Panipat TPS (2*210+2*250)	920	463	423	10.72	447
	DCRTPP (Yamuna nagar) (2*300)	600	538	460	12.26	511
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	193	163	4.50	188
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	6	6	0.25	10
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4497	1200	1052	27.73	1155
	Total Hydro	62	0	0	0.00	0
	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	1200	1052	27.73	1155
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	867	851	22.30
suratgarh TPS (6*250)		1500	181	186	4.70	196
Chabra TPS (4*250)		1000	806	821	21.10	879
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	173	170	4.20	175
RAPS A (NPC) (1*100+1*200)		300	170	170	4.20	175
Barsingar (NLC) (2*125)		250	216	224	5.10	213
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwst LTPS (IPP) (8*135)		1080	757	643	18.30	763
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	1025	910	24.30	1013
Kawai(Adani) (2*660)		1320	1178	1183	24.70	1029
Thermal (Total)		8876	5373	5158	128.90	5371
Total Hydro		550	128	130	3.40	142
Wind power		4017	235	606	11.96	498
Biomass		99	13	13	0.30	13
Solar		1295	0	0	2.76	115
Renewable/Others (Total)		5411	248	619	15.02	626
Total Rajasthan		14837	5749	5907	147.32	6139
UP	Anpara TPS (3*210+2*500)	1630	1415	966	33.44	1393
	Obra TPS (2*50+2*94+5*200)	1194	220	564	13.40	559
	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	228	155	4.50	188
	Tanda TPS (NTPC) (4*110)	440	299	276	8.17	340
	Roza TPS (IPP) (4*300)	1200	554	365	11.74	489
	Anpara-C (IPP) (2*600)	1200	1071	976	25.06	1044
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	715	300	19.10	796
	Lalitpur TPS(3*660)	1980	1236	1063	28.26	1178
	Bara(2*660)	1320	554	383	12.64	527
	Thermal (Total)	12449	6292	5048	156.31	6513
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.56	65
	Alakanada(4*82.5)	330	77	0	0.96	40
	Other Hydro	527	99	147	3.09	129
	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	7386	6108	182.32	7596	
Uttarakhand	Other Hydro	1250	452	263	7.40	308
	Total Gas	225	278	262	6.54	272
	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	730	525	13.99	583
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	72	1.91	80
	Pragati Gas Turbine (2x104+ 1x122)	330	155	158	3.80	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	476	510	11.78	491
	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	510	11.78	491
	HP	Baspa HPS (IPP) (3*100)	300	0	0	0.93
Malana HPS (IPP) (2*43)		86	0	0	0.23	10
Other Hydro		372	65	36	1.80	75
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	110	97	2.44	102
Renewable(Total)		486	110	97	2.44	102
Total HP		1244	175	133	5.40	225
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	296	118	4.44
	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	227	7	306	

Total State Control Area Generation	50078	18936	15991	452.12	18838
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8109	7571	210.36	8765
Total Regional Availability(Gross)	75315	43560	31290	915.77	38157

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8773	1135	75.73	3155
State Control Area Hydro	7163	2055	1470	38.11	1863
Total Regional Hydro	19397	10828	2605	113.84	5018

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	7356	366	724	17.77	741
Total Regional Renewable	7386	366	724	17.90	746

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	100	500	1.48	3.77	-2.29
765 KV Gwalior-Agra (D/C)	2332	2389	2818	0	60.53	0.00	60.53
400 KV Zerda-Kankroli	-75	-198	38	225	0.00	1.72	-1.72
400 KV Zerda-Bhimnal	84	-73	180	134	0.89	0.00	0.89
220 KV Auraiya-Malanpur	-69	-29	0	83	0.00	1.09	-1.09
220 KV Badod-Kota/Morak	-30	-68	24	68	0.00	0.60	-0.60
Mundra-Mohinderghar(HVDC Bipole)	2298	2500	2507	0.00	57.55	0.00	57.55
400 KV RAPP-C-Sujalpur	310	209	366	0	6.13	0.00	6.13
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1078	1120	1483	0	29.53	0.00	29.53
Champa-Kurushetra HVDC	150	325	635	0	0.00	0.00	0.00
Sub Total WR	6028	5350			156.09	7.18	148.91
400 kV Sasaram - Varanasi	175	166	188	0	6.30	0.00	6.30
400 kV Sasaram - Allahabad	69	79	89	0	1.71	0.00	1.71
400 KV MZP- GKP (D/C)	130	272	286	0	5.11	0.00	5.11
400 KV Patna-Balia(D/C) X 2	682	595	754	0	15.85	0.00	15.85
400 KV B'Sharif-Balia (D/C)	59	130	191	0	3.23	0.00	3.23
765 KV Gaya-Balia	207	286	314	0	6.18	0.00	6.18
765 KV Gaya-Varanasi (D/C)	552	459	734	0	13.94	0.00	13.94
220 KV Pusauli-Sahupuri	161	192	204	0	4.16	0.00	4.16
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-16	-26	0	30	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	22	71	118	76	0.31	0.00	0.31
400 KV Barh -GKP (D/C)	524	456	566	0	11.68	0.00	11.68
400 kV B'Sharif - Varanasi (D/C)	16	41	149	29	1.27	0.00	1.27
Sub Total ER	2581	2721			70.20	0.52	69.68
+/- 800 KV BiswanathChariali-Agra	-500	-500	0	500.00	0.00	8.22	-8.22
Sub Total NER	-500	-500			0.00	8.22	-8.22
Total IR Exch	8109	7571			226.29	15.93	210.36

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
51.95	0.21	52.17	-2.40	0.70	6.34	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
56.11	142.51	198.62	61.45	148.91	210.36	5.34	6.40	11.74

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	-34	0	38	0	1	-0.87

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	4.62	39.35	66.40	22.06	6.59	0.42	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)		
50.28	18.03	49.77	21.06	50.01	0.044	0.065	0.00	0.00	33.60

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	410	2:58	398	7:20	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	3:03	402	9:18	0.0	0.0	6.7	0.0	6.7
Bareilly(PG)400kV	400	421	3:00	388	12:00	0.0	0.0	0.3	0.0	0.3
Kanpur	400	418	0:44	398	9:17	0.0	0.0	0.0	0.0	0.0
Dadri	400	428	2:59	402	9:35	0.0	0.0	28.0	0.0	28.0
Ballabgarh	400	424	0:21	398	7:16	0.0	0.0	19.2	0.0	19.2
Bawana	400	428	3:03	403	7:15	0.0	0.0	35.9	0.0	35.9
Bassi	400	425	21:00	389	7:24	0.0	0.1	16.3	0.0	16.3
Hissar	400	423	0:01	400	7:15	0.0	0.0	15.3	0.0	15.3
Moga	400	423	0:03	403	7:24	0.0	0.0	18.0	0.0	18.0
Abdullapur	400	429	0:00	409	7:13	0.0	0.0	56.3	0.0	56.3
Nalagarh	400	430	0:24	412	7:18	0.0	0.0	69.4	0.0	69.4
Kishenpur	400	423	11:48	392	7:43	0.0	0.0	0.7	0.0	0.7
Wagoora	400	421	12:08	170	12:05	31.4	77.1	0.0	0.0	31.5
Amritsar	400	425	2:00	402	9:18	0.0	0.0	31.5	0.0	31.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	2:26	401	9:32	0.0	0.0	15.9	0.0	15.9
Rishikesh	400	424	0:03	396	9:18	0.0	0.0	22.0	0.0	22.0

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	778	23:58	740	6:52	0.0	1.4	0.0	0.0	0.0
Balia	765	789	1:04	756	9:17	0.0	0.0	0.0	0.0	0.0

Moga	765	802	13:01	762	7:22	0.0	0.0	4.1	0.0	4.1
Agra	765	794	17:30	745	7:22	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	0:11	764	7:20	0.0	0.0	38.5	0.0	38.5
Unnao	765	775	2:59	737	9:13	0.0	5.8	0.0	0.0	0.0
Lucknow	765	796	2:59	756	9:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	17:30	753	7:22	0.0	0.0	18.2	0.0	18.2
Jhatikara	765	807	0:22	760	7:22	0.0	0.0	23.2	0.0	23.2
Bareilly 765 kV	765	801	2:59	757	9:17	0.0	0.0	0.3	0.0	0.3
Anta	765	786	17:02	753	7:21	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	16:02	747	7:35	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	477.99	414.26	491.36	778.28	113.98	457.74
Pong	426.72	384.05	402.60	281.22	401.50	252.05	58.70	385.22
Tehri	829.79	740.04	788.00	425.58	779.65	320.38	36.95	209.00
Koteshwar	612.50	598.50	610.22	4.69	611.24	5.13	209.00	213.26
Chamera-I	760.00	748.75	758.24	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	504.41	1.44	495.81	0.00	76.09	75.97

* 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	-150	0	-101	-203	0	-6.41	-2.17	-8.58
Delhi	-170	-672	0	-289	-131	0	-6.06	-3.52	-9.58
Haryana	-627	387	0	-315	280	0	-10.11	7.02	-3.09
HP	390	115	0	205	-104	0	9.46	-0.87	8.59
J&K	425	0	0	418	183	0	9.98	2.02	12.00
CHD	0	0	0	0	-10	0	0.00	-0.11	-0.11
Rajasthan	19	304	0	12	88	0	8.07	3.67	11.74
UP	107	0	0	-27	-100	0	-6.10	-1.90	-8.00
Uttarakhand	121	13	0	0	306	0	1.22	5.61	6.83
Total	163	-1	0	-98	309	0	0.05	9.74	9.79

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-657	0	-456	0	0
Delhi	-170	-333	463	-680	0	0
Haryana	-122	-627	389	-22	0	0
HP	585	84	115	-364	0	0
J&K	425	406	370	-161	0	0
CHD	0	0	29	-46	0	0
Rajasthan	914	12	305	-633	0	0
UP	158	-722	0	-100	0	0
Uttarakhand	121	0	460	8	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	1.04%
ER	0.00%
Simultaneous	0.00%

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

WR	38.19%
ER	0.00%
Simultaneous	50.00%

(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	2	19
Haryana	0	12
Rajasthan	1	14
Delhi	2	20
UP	3	19
Uttarakhand	3	47
HP	4	41
J & K	2	20
Chandigarh	3	17

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 16.02.2017 :

XVI. Synchronisation of new generating units :

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

1.220 kV Orai-Kanpur First time synchronized with grid at 15.37 Hrs/16.02.2017
2.400/220 kV ICT-II at Greaternoida charged on no load at 18.55 Hrs/16.02.2017
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 : 16.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER