

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 13.02.2017

Date of Reporting : 14.02.2017



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
41879	497	42376	49.98	28787	418	29205	49.99	873.52	11.10

* 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	44.12	8.70	0.32	53.14	48.89	50.11	1.22	103.25	0.00
Haryana	27.23	0.25	0.00	27.48	89.84	89.67	-0.17	117.15	0.00
Rajasthan	104.91	5.99	26.59	137.48	58.80	63.35	4.55	200.84	0.56
Delhi	11.77		0.00	11.77	48.93	48.20	-0.73	59.97	0.04
UP	187.88	4.77	0.00	192.65	94.57	93.21	-1.36	285.85	0.00
Uttarakhand		6.95	0.00	13.82	20.52	20.75	0.23	34.56	0.00
HP		6.84	1.94	6.84	19.53	19.63	0.10	26.47	0.00
J & K		6.28	0.00	6.28	37.30	35.73	-1.57	42.01	10.50
Chandigarh				0.00	3.60	3.43	-0.18	3.43	0.00
Total	375.91	39.77	28.85	449.45	421.99	424.07	2.09	873.52	11.10

* 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	STO/A/PX transaction	Demand Met	Shortage	UI	STO/A/PX transaction			
Punjab	5937	0	-15	-329	3038	0	118	-177	5937	19:00	0
Haryana	5963	0	-165	-155	3016	0	38	-434	6114	7:00	0
Rajasthan	8646	0	152	-7	7071	0	437	291	9648	10:00	76
Delhi	2895	0	-162	-320	1348	0	-138	-842	3519	11:00	0
UP	13396	20	-151	-177	10723	0	80	87	13564	20:00	0
Uttarakhand	1835	0	64	330	1151	0	120	239	1853	8:00	0
HP	1150	7	12	196	681	0	-76	481	1419	9:00	0
J&K	1878	469	-79	703	1673	418	-65	523	1983	7:00	496
Chandigarh	179	0	-24	0	85	0	-10	0	210	8:00	0
Total	41879	497	-366	241	28787	418	504	169	42468	20:00	491

* STO/A 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	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	1690	1803	1308	38.28	1595	37.66	0.62
Rihand I STPS (2*500)	1000	484	464	361	10.19	425	10.36	-0.17
Rihand II STPS (2*500)	1000	960	921	722	20.60	858	20.72	-0.12
Rihand III STPS (2*500)	1000	965	977	737	20.67	861	20.70	-0.04
Dadri I STPS (4*210)	840	815	297	305	7.02	293	7.21	-0.19
Dadri II STPS (2*490)	980	439	439	356	8.96	373	9.53	-0.57
Unchahar I TPS (2*210)	420	407	362	308	7.24	302	7.57	-0.33
Unchahar II TPS (2*210)	420	405	325	307	6.86	286	7.16	-0.30
Unchahar III TPS (1*210)	210	203	160	153	3.29	137	3.54	-0.25
ISTPP (Jhajjar) (3*500)	1500	1440	951	595	16.34	681	16.80	-0.46
Dadri GPS (4*130.19+2*154.51)	830	818	205	199	4.67	195	5.11	-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	0.05	-0.02
Singrauli Solar(15)	15	2	0	0	0.05	2	0.05	0.00
KHEP(4*200)	800	804	650	0	2.26	94	2.29	-0.03
Sub Total (A)	12112	11040	7554	5351	146	6104	149	-2.30
B. NPC								
NAPS (2*220)	440	416	441	453	9.88	412	9.98	-0.10
RAPS- B (2*220)	440	385	426	433	9.22	384	9.24	-0.02
RAPS- C (2*220)	440	410	442	452	9.67	403	9.84	-0.17
Sub Total (B)	1320	1211	1309	1338	28.77	1199	29.06	-0.29
C. NHPC								
Chamera I HPS (3*180)	540	540	557	0	2.63	110	2.50	0.13
Chamera II HPS (3*100)	300	301	308	0	1.33	55	1.20	0.13
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
Bairasuli HPS(3*60)	180	120	125	0	1.41	59	1.36	0.05
Salal-HPS (6*115)	690	141	334	130	3.91	163	3.39	0.52
Tanakpur-HPS (3*31.4)	94	17	30	16	0.49	20	0.40	0.09
Uri-I HPS (4*120)	480	351	351	360	8.69	362	8.43	0.27
Uri-II HPS (4*60)	240	183	187	181	4.42	184	4.40	0.02
Dhauliganga-HPS (4*70)	280	140	138	0	0.70	29	0.67	0.04
Dulhasti-HPS (3*130)	390	387	397	0	2.67	111	2.50	0.17
Sewa-II HPS (3*40)	120	119	125	80	1.97	82	2.00	-0.03
Parbati 3 (4*130)	520	130	129	0	0.41	17	0.39	0.02
Sub Total (C)	4065	2430	2682	767	29	1193	27	1.40
D.SJVNL								
NJPC (6*250)	1500	1096	1080	0	5.60	233	5.62	-0.02
Rampur HEP (6*88.67)	412	225	225	0	1.34	56	1.38	-0.03
Sub Total (D)	1912	1321	1305	0	6.94	289	6.99	-0.05
E. THDC								
Tehri HPS (4*250)	1000	880	833	0	7.13	297	7.00	0.13
Koteshwar HPS (4*100)	400	113	401	70	2.74	114	2.70	0.04
Sub Total (E)	1400	993	1234	70	9.88	412	9.70	0.18
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	553	1025	392	13.73	572	13.28	0.45
Dehar HPS (6*165)	990	125	495	0	3.20	133	2.99	0.21
Pong HPS (6*66)	396	236	384	0	5.59	233	5.67	-0.08
Sub Total (F)	2765	914	1904	392	22.52	938	21.94	0.58
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.35	15	0.34	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	540	0	2.96	123	3.08	-0.12
Malana Stg-II HPS (2*50)	100	0	0	0	0.21	9	0.19	0.02
Shree Cement TPS (2*150)	300	0	296	168	6.06	253	6.09	-0.03
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
Sub Total (G)	1662	0	836	168	9.58	399	9.70	-0.12
H. Total Regional Entities (A-G)	25237	17909	16824	8085	252.81	10534	253.41	-0.60

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
	Goinwali(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	660	25.88	1078
	Talwandi Saboo (3*660)	1980	1043	616	18.50	771
	Thermal (Total)	6560	2363	1276	44.12	1838
	Total Hydro	1000	324	209	8.70	362
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.25	10
	Solar	560	0	0	0.07	3
	Renewable(Total)	848	0	0	0.32	13
	Total Punjab	8408	2687	1485	53.14	2214
Haryana	Panipat TPS (2*210+2*250)	920	459	410	10.63	443
	DCRTPP (Yamuna nagar) (2*300)	600	500	463	12.18	508
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	196	166	4.42	184
	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	1155	1039	27.23	1135
	Total Hydro	62	6	7	0.25	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	1161	1046	27.48	1145
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	404	407	9.92	413
	suratgarh TPS (6*250)	1500	181	180	4.58	191
	Chabra TPS (4*250)	1000	584	589	16.09	670
	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	166	4.27	178
	RAPS A (NPC) (1*100+1*200)	300	196	175	4.24	177
	Barsingar (NLC) (2*125)	250	219	193	5.06	211
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	463	523	15.51	646
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	820	839	20.93	872
	Kawai(Adani) (2*660)	1320	1032	860	24.31	1013
	Thermal (Total)	8876	4072	3932	104.91	4371
	Total Hydro	550	258	128	5.99	249
	Wind power	4017	1191	1005	26.12	1088
	Biomass	99	13	13	0.31	13
	Solar	1295	3	0	0.15	6
	Renewable/Others (Total)	5411	1207	1018	26.59	1108
	Total Rajasthan	14837	5537	5078	137.48	5728
UP	Anpara TPS (3*210+2*500)	1630	1256	1051	29.13	1214
	Obra TPS (2*50+2*94+5*200)	1194	650	563	14.89	621
	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	157	173	4.07	170
	Tanda TPS (NTPC) (4*110)	440	387	276	8.47	353
	Roza TPS (IPP) (4*300)	1200	658	558	14.91	621
	Anpara-C (IPP) (2*600)	1200	1076	635	24.90	1038
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	827	755	19.18	799
	Lalitpur TPS(3*660)	1980	1141	1076	28.40	1184
	Bara(2*660)	1320	1070	734	23.52	980
	Thermal (Total)	12449	7222	5821	167.48	6978
	Vishnuparyag HPS (IPP)(4*110)	440	63	63	1.56	65
	Alakanada(4*82.5)	330	77	0	0.94	39
	Other Hydro	527	141	73	2.27	95
	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	8353	6807	192.65	8027	
Uttarakhand	Other Hydro	1250	390	302	6.95	290
	Total Gas	225	293	289	6.86	286
	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	683	591	13.82	576	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	72	73	1.89	79
	Pragati Gas Turbine (2x104+ 1x122)	330	158	162	3.87	161
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	280	6.01	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	481	515	11.77	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	481	515	11.77	491
	HP	Baspa HPS (IPP) (3*100)	300	0	0	0.96
Malana HPS (IPP) (2*43)		86	0	0	0.25	10
Other Hydro		372	109	103	3.70	154
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	83	76	1.94	81
Renewable(Total)		486	83	76	1.94	81
Total HP		1244	192	179	6.84	285
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	296	119	3.37
	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	228	6	262	

Total State Control Area Generation	50078	19521	15929	449.45	18727
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7451.31	5793.93	191.98	7999
Total Regional Availability(Gross)	75315	43796	29808	894.25	37260

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8315	1229	73.74	3073
State Control Area Hydro	7163	2171	1478	39.77	1943
Total Regional Hydro	19397	10486	2707	113.51	5016

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	7356	1290	1094	28.85	1202
Total Regional Renewable	7386	1290	1094	28.97	1207

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)	-250	-250	50	250	0.02	5.17	-5.15
765 KV Gwalior-Agra (D/C)	2444	1927	2871	0	59.01	0.00	59.01
400 KV Zerda-Kankrol	-97	-84	15	163	0.00	1.86	-1.86
400 KV Zerda-Bhimnal	-4	-21	84	143	0.00	0.35	-0.35
220 KV Auraiya-Malanpur	-47	-49	0	63	0.00	0.94	-0.94
220 KV Badod-Kota/Morak	32	34	120	-13	1.31	0.00	1.31
Mundra-Mohinderghar(HVDC Bipole)	2502	1349	2506	0.00	53.74	0.00	53.74
400 KV RAPPCC-Sujalpur	261	106	337	0	4.82	0.00	4.82
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1109	848	1378	0	28.73	0.00	28.73
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	5950	3860			147.63	8.33	139.30
400 kV Sasaram - Varanasi	181	179	207	0	4.53	0.00	4.53
400 kV Sasaram - Allahabad	58	64	73	0	1.36	0.00	1.36
400 KV MZP- GKP (D/C)	162	259	348	0	6.01	0.00	6.01
400 KV Patna-Balia(D/C) X 2	427	658	736	0	14.70	0.00	14.70
400 KV B'Sharif-Balia (D/C)	137	133	228	0	4.10	0.00	4.10
765 KV Gaya-Balia	263	246	325	0	6.90	0.00	6.90
765 KV Gaya-Varanasi (D/C)	425	393	760	0	13.00	0.00	13.00
220 KV Pusauli-Sahupuri	174	171	236	0	4.24	0.00	4.24
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-22	-30	0	42	0.00	0.77	-0.77
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-226	-76	8	226	0.00	1.15	-1.15
400 KV Barh -GKP (D/C)	398	486	504	0	10.27	0.00	10.27
400 kV B'Sharif - Varanasi (D/C)	30	-48	118	57	0.90	0.00	0.90
Sub Total ER	2007	2435			65.99	1.93	64.06
+/- 800 KV BiswanathChariali-Agra	-506	-501	0	506.00	0.00	11.38	-11.38
Sub Total NER	-506	-501			0.00	11.38	-11.38
Total IR Exch	7451	5794			213.62	21.63	191.98

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
48.84	0.37	49.21	-2.92	0.83	7.14	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
53.42	136.42	189.84	52.68	139.30	191.98	-0.74	2.88	2.14

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	-36	0	39	0	1	-0.86

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	3.81	43.59	69.40	20.56	5.81	0.58	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)	
50.27	Time 0.02	49.83	Time 21.06	50.01	0.041	0.063	0.00	0.00	30.60

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	479.03	441.00	492.22	808.03	149.48	437.44
Pong	426.72	384.05	403.16	296.79	402.33	273.51	63.49	400.54
Tehri	829.79	740.04	789.55	446.90	781.40	338.24	36.39	185.00
Koteshwar	612.50	598.50	610.57	4.95	611.01	5.08	185.00	180.75
Chamera-I	760.00	748.75	758.12	0.00	0.00	0.00	72.77	71.01
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	1.63	495.64	0.00	113.19	71.35

* 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	-177	0	0	-177	-152	0	-8.39	-2.18	-10.57
Delhi	-167	-675	0	-312	-8	0	-5.96	-2.67	-8.63
Haryana	-729	295	0	-420	264	0	-12.55	6.57	-5.98
HP	390	91	0	327	-131	0	11.72	-1.50	10.22
J&K	523	0	0	520	183	0	12.36	2.90	15.26
CHD	0	0	0	0	0	0	0.00	0.09	0.09
Rajasthan	24	267	0	17	-24	0	8.07	2.10	10.18
UP	87	0	0	-77	-100	0	-7.33	-1.80	-9.13
Uttarakhand	121	118	0	0	330	0	1.41	6.96	8.38
Total	73	96	0	-122	363	0	-0.66	10.48	9.82

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-177	-763	0	-779	0	0
Delhi	-167	-351	473	-684	0	0
Haryana	-322	-729	349	2	0	0
HP	722	187	91	-465	0	0
J&K	523	505	370	-71	0	0
CHD	0	0	39	-51	0	0
Rajasthan	917	14	267	-491	0	0
UP	160	-810	0	-100	0	0
Uttarakhand	121	0	577	63	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	12.85%
ER	0.00%
Simultaneous	11.81%

(iii) %age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
----------------	-------

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	1	17
Haryana	0	10
Rajasthan	0	12
Delhi	3	21
UP	1	17
Uttarakhand	4	38
HP	1	22
J & K	1	13
Chandigarh	4	20

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 13.02.2017 :

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 : 13.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER