

पाँवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 14.02.2017
Date of Reporting : 15.02.2017



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
42405	760	43165	49.98	30304	410	30714	49.99	893.42	15.98

* 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	48.36	9.16	0.32	57.84	49.91	51.54	1.63	109.38	0.00
Haryana	27.69	0.26	0.00	27.95	92.43	92.95	0.52	120.89	0.00
Rajasthan	109.24	4.79	20.81	134.84	68.86	74.14	5.28	208.98	3.69
Delhi	11.61		0.00	11.61	49.46	49.46	0.18	61.07	0.05
UP	185.02	5.23	0.00	190.24	96.72	96.73	0.01	286.97	1.40
Uttarakhand		6.99	0.00	13.86	21.24	21.42	0.18	35.28	0.13
HP		5.07	2.25	5.07	19.66	19.61	-0.05	24.68	0.04
J & K		6.18	0.00	6.18	37.42	36.52	-0.90	42.71	10.68
Chandigarh				0.00	3.61	3.46	-0.15	3.46	0.00
Total	381.91	37.69	23.39	447.59	439.12	445.83	6.70	893.42	15.98

* 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	5963	0	43	-329	3318	0	103	-681	5963	19:00	0
Haryana	6159	0	-21	-122	3333	0	-9	-344	6432	7:00	0
Rajasthan	8683	276	131	78	7887	0	204	357	10145	8:00	38
Delhi	2882	0	-225	-431	1459	0	18	-956	3530	11:00	0
UP	13747	0	126	-182	10602	0	189	103	13747	19:00	0
Uttarakhand	1729	0	32	318	1274	0	91	257	1917	8:00	0
HP	1153	7	-31	239	705	0	-65	525	1429	9:00	0
J&K	1908	477	-75	703	1641	410	-20	523	1988	20:00	497
Chandigarh	181	0	-12	0	85	0	-9	0	210	8:00	0
Total	42405	760	-32	274	30304	410	502	-217	42405	19:00	760

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

Diversity is 1.07

UI [OD:(+ve), UD: (-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	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1690	1836	1796	40.07	1670	39.95	0.12
Rihand I STPS (2*500)	1000	484	509	372	10.69	446	10.52	0.17
Rihand II STPS (2*500)	1000	960	993	761	21.12	880	21.26	-0.14
Rihand III STPS (2*500)	1000	965	987	755	21.24	885	21.55	-0.31
Dadri I STPS (4*210)	840	815	339	288	7.78	324	8.37	-0.60
Dadri II STPS (2*490)	980	980	434	348	9.78	407	10.51	-0.73
Unchahar I TPS (2*210)	420	407	411	282	7.96	332	8.56	-0.60
Unchahar II TPS (2*210)	420	405	423	283	7.85	327	8.36	-0.51
Unchahar III TPS (1*210)	210	203	213	142	3.84	160	4.11	-0.27
ISTPP (Jhajihar) (3*500)	1500	1440	890	630	18.60	775	19.14	-0.54
Dadri GPS (4*130.19+2*154.51)	830	815	206	189	4.63	193	5.32	-0.69
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	0.05	2	0.04	0.01
Singrauli Solar(15)	15	2	0	0	0.05	2	0.05	0.00
KHEP(4*200)	800	655	655	655	1.95	81	1.97	-0.02
Sub Total (A)	12112	10887	7896	6501	156	6484	160	-4.11
B. NPC								
NAPS (2*220)	440	416	441	452	9.87	411	9.98	-0.11
RAPS- B (2*220)	440	384	427	426	9.22	384	9.22	0.00
RAPS- C (2*220)	440	410	443	449	9.66	402	9.84	-0.18
Sub Total (B)	1320	1210	1311	1327	28.74	1198	29.04	-0.30
C. NHPC								
Chamera I HPS (3*180)	540	548	560	0	2.36	98	2.20	0.16
Chamera II HPS (3*100)	300	301	308	0	1.61	67	1.50	0.11
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
Bairasuli HPS(3*60)	180	120	125	0	1.26	52	1.23	0.03
Salal-HPS (6*115)	690	146	302	228	4.10	171	3.50	0.60
Tanakpur-HPS (3*31.4)	94	17	31	18	0.48	20	0.40	0.08
Uri-I HPS (4*120)	480	351	360	360	8.71	363	8.42	0.29
Uri-II HPS (4*60)	240	183	188	187	4.42	184	4.40	0.02
Dhauliganga-HPS (4*70)	280	140	148	0	0.71	30	0.67	0.05
Dulhasti-HPS (3*130)	390	387	401	0	2.64	110	2.50	0.14
Sewa-II HPS (3*40)	120	119	123	77	1.99	83	1.93	0.06
Parbati 3 (4*130)	520	130	131	0	0.40	17	0.39	0.01
Sub Total (C)	4065	2442	2675	869	29	1195	27	1.55
D.SJVNL								
NJPC (6*250)	1500	1096	1020	0	5.48	228	5.60	-0.13
Rampur HEP (6*88.67)	412	225	224	0	1.33	55	1.32	0.01
Sub Total (D)	1912	1321	1244	0	6.81	284	6.93	-0.12
E. THDC								
Tehri HPS (4*250)	1000	872	865	0	7.56	315	7.60	-0.04
Koteshwar HPS (4*100)	400	121	400	71	2.91	121	2.90	0.01
Sub Total (E)	1400	993	1265	71	10.47	436	10.50	-0.03
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	559	1013	393	13.86	577	13.41	0.45
Dehar HPS (6*165)	990	106	495	0	2.66	111	2.55	0.11
Pong HPS (6*66)	396	225	320	0	5.41	225	5.40	0.01
Sub Total (F)	2765	890	1828	393	21.92	914	21.36	0.56
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.37	15	0.36	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	540	0	3.01	125	3.08	-0.07
Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.19	0.01
Shree Cement TPS (2*150)	300	0	300	169	6.19	258	6.29	-0.10
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
Sub Total (G)	1662	0	840	169	9.77	407	9.92	-0.15
H. Total Regional Entities (A-G)	25237	17743	17059	9330	262.01	10917	264.60	-2.59

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out 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	-0.03	-1

	Rajpura (2*700)	1400	1320	660	27.06	1128
	Talwandi Saboo (3*660)	1980	1067	616	21.57	899
	Thermal (Total)	6560	2387	1276	48.36	2015
	Total Hydro	1000	354	250	9.16	381
	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	2741	1526	57.84	2410
Haryana	Panipat TPS (2*210+2*250)	920	451	403	10.74	448
	DCRTPP (Yamuna nagar) (2*300)	600	549	473	12.53	522
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	195	159	4.41	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	1195	1035	27.69	1154
	Total Hydro	62	7	6	0.26	11
	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	1202	1041	27.95	1164
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	494	404	11.37
suratgarh TPS (6*250)		1500	219	181	4.45	185
Chabra TPS (4*250)		1000	901	759	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	100	173	3.59	149
RAPS A (NPC) (1*100+1*200)		300	170	196	4.39	183
Barsingar (NLC) (2*125)		250	223	221	5.24	218
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	827	444	19.97	832
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	1131	839	25.40	1058
Kawai(Adani) (2*660)		1320	623	443	13.93	580
Thermal (Total)		8876	4688	3660	109.24	4552
Total Hydro		550	169	124	4.79	200
Wind power		4017	381	1416	17.82	743
Biomass		99	5	5	0.12	5
Solar		1295	0	0	2.87	120
Renewable/Others (Total)		5411	386	1421	20.81	867
Total Rajasthan		14837	5243	5205	134.84	5619
UP	Anpara TPS (3*210+2*500)	1630	1414	1069	32.64	1360
	Obra TPS (2*50+2*94+5*200)	1194	691	425	14.36	598
	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	205	162	4.05	169
	Tanda TPS (NTPC) (4*110)	440	380	285	8.50	354
	Roza TPS (IPP) (4*300)	1200	419	383	11.13	464
	Anpara-C (IPP) (2*600)	1200	1076	657	24.43	1018
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	817	715	17.49	729
	Lalitpur TPS(3*660)	1980	1248	1074	27.65	1152
	Bara(2*660)	1320	1061	728	24.39	1016
	Thermal (Total)	12449	7311	5498	164.62	6859
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.55	65
	Alaknada(4*82.5)	330	76	0	0.91	38
	Other Hydro	527	98	98	2.76	115
	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	8403	6509	190.24	7927	
Uttarakhand	Other Hydro	1250	413	265	6.99	291
	Total Gas	225	287	286	6.80	283
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.06	3
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.06	3
	Total Uttarakhand	1802	700	551	13.86	577
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	79	81	1.93	80
	Pragati Gas Turbine (2x104+ 1x122)	330	160	163	3.40	142
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.29	262
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	489	524	11.61	484
	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	489	524	11.61	484	
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.80	33
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro	372	64	28	1.81	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	101	88	2.25	94
	Renewable(Total)	486	101	88	2.25	94
	Total HP	1244	165	116	5.07	211
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	118	118	3.28
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	249	227	6	258	

Total State Control Area Generation	50078	19192	15699	447.59	18650
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8248	7582	214.44	8935
Total Regional Availability(Gross)	75315	44499	32611	924.04	38502

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8207	1988	73.41	3059
State Control Area Hydro	7163	1886	1435	37.69	1856
Total Regional Hydro	19397	10094	3423	111.10	4915

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	7356	487	1509	23.45	977
Total Regional Renewable	7386	487	1509	23.57	982

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	-50	250	300	0.42	1.69	-1.27
765 KV Gwalior-Agra (D/C)	2445	1934	2877	0	56.34	0.00	56.34
400 KV Zerda-Kankroli	-6	-149	25	182	0.00	1.51	-1.51
400 KV Zerda-Bhimnal	38	-79	138	147	0.43	0.00	0.43
220 KV Auraiya-Malanpur	65	64	65	0	1.34	0.00	1.34
220 KV Badod-Kota/Morak	33	34	68	22	0.68	0.00	0.68
Mundra-Mohinderghar(HVDC Bipole)	2302	2497	2505	0.00	57.48	0.00	57.48
400 KV RAPP-Subalpur	300	94	320	0	5.27	0.00	5.27
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1241	1093	783	0	30.70	0.00	30.70
Champa-Kurushetra HVDC	150	0	250	0	0.00	0.00	0.00
Sub Total WR	6318	5438			152.66	3.21	149.46
400 kV Sasaram - Varanasi	196	209	222	0	7.18	0.00	7.18
400 kV Sasaram - Allahabad	58	60	79	94	0.00	0.15	-0.15
400 KV MZP- GKP (D/C)	98	132	287	0	3.01	0.00	3.01
400 KV Patna-Balia(D/C) X 2	655	576	763	0	16.12	0.00	16.12
400 KV B'Sharif-Balia (D/C)	70	74	206	0	3.08	0.00	3.08
765 KV Gaya-Balia	238	234	325	0	6.27	0.00	6.27
765 KV Gaya-Varanasi (D/C)	427	276	681	0	11.76	0.00	11.76
220 KV Pusauli-Sahupuri	184	173	197	0	3.88	0.00	3.88
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-33	0	37	0.00	0.80	-0.80
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-64	-113	124	113	0.00	0.52	-0.52
400 KV Barh -GKP (D/C)	540	496	552	0	11.58	0.00	11.58
400 kV B'Sharif - Varanasi (D/C)	58	60	79	94	7.18	0.15	7.03
Sub Total ER	2430	2144			70.06	1.62	68.44
+/- 800 KV BiswanathChariali-Agra	-500	0	0	500.00	0.00	3.45	-3.45
Sub Total NER	-500	0			0.00	3.45	-3.45
Total IR Exch	8248	7582			222.72	8.28	214.44

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
51.93	0.37	52.30	-2.61	0.86	6.12	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
55.81	141.12	196.93	64.98	149.46	214.44	9.17	8.34	17.51

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	-34	0	39	0	1	-0.90

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	3.50	41.24	68.39	21.70	5.91	0.60	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)	
50.33	18.02	49.82	14.14	50.01	0.040	0.062	0.00	0.00	31.61

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	478.70	434.29	491.95	798.09	122.10	442.37
Pong	426.72	384.05	402.97	288.96	402.06	266.33	58.64	385.14
Tehri	829.79	740.04	789.00	439.29	780.80	330.56	37.39	197.00
Koteshwar	612.50	598.50	610.56	4.95	611.12	5.13	197.00	191.94
Chamera-I	760.00	748.75	758.20	0.00	0.00	0.00	70.61	63.57
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	1.63	495.71	0.00	82.27	76.17

* 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	-504	0	-177	-152	0	-8.39	-4.06	-12.45
Delhi	-183	-772	0	-318	-113	0	-6.13	-4.05	-10.18
Haryana	-729	385	0	-420	298	0	-12.55	7.51	-5.05
HP	439	86	0	337	-98	0	11.96	-1.29	10.67
J&K	523	0	0	520	183	0	12.36	2.12	14.48
CHD	0	0	0	0	0	0	0.00	-0.06	-0.06
Rajasthan	32	325	0	22	56	0	8.23	3.82	12.05
UP	103	0	0	-83	-100	0	-7.13	-1.80	-8.93
Uttarakhand	121	136	0	0	318	0	1.18	7.59	8.77
Total	128	-345	0	-118	392	0	-0.46	9.78	9.32

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-177	-763	0	-760	0	0
Delhi	-178	-358	355	-777	0	0
Haryana	-272	-729	388	-35	0	0
HP	719	187	86	-401	0	0
J&K	523	505	370	-161	0	0
CHD	0	0	39	-41	0	0
Rajasthan	932	19	325	-559	0	0
UP	154	-792	0	-100	0	0
Uttarakhand	121	0	542	119	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	2.43%
ER	0.00%
Simultaneous	1.04%

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

WR	27.08%
ER	0.00%
Simultaneous	30.90%

(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	16
Haryana	0	11
Rajasthan	2	13
Delhi	0	12
UP	0	11
Uttarakhand	5	54
HP	2	13
J & K	2	24
Chandigarh	5	40

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 14.02.2017 :

XVI. Synchronisation of new generating units :

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

1. 275*3 MVA GT-1 at 400kV Suratgarh Super Critical Thermal station first time charged at 2109Hrs of 14.02.17
2. 400kV Bus-1 at 400kV Suratgarh Super Critical Thermal station first time charged at 2109Hrs of 14.02.17
3. 400kV Suratgarh-Suratgarh Super Critical Thermal station-1 first time charged at 2109Hrs of 14.02.17

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 : 14.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER