

पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 09.02.2017

Date of Reporting : 10.02.2017



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
41830	692	42522	49.98	29598	404	30001	49.99	860.09	11.89

* 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	45.27	8.43	0.21	53.91	42.91	44.03	1.13	97.95	0.00
Haryana	27.59	0.30	0.00	27.88	84.51	85.23	0.72	113.11	0.00
Rajasthan	110.67	4.49	15.67	130.83	68.65	72.71	4.06	203.53	1.39
Delhi	12.00		0.00		50.38	49.97	-0.42	61.97	0.03
UP	172.89	5.00	0.00	177.89	97.66	98.36	0.70	276.25	0.00
Uttarakhand		6.01	0.00	13.17	21.18	21.52	0.35	34.69	0.00
HP		7.81	2.42	7.81	19.69	19.38	-0.31	27.19	0.00
J & K		7.49	0.00	7.49	35.42	34.40	-1.02	41.89	10.47
Chandigarh				0.00	3.54	3.51	-0.03	3.51	0.00
Total	368.41	39.53	18.30	430.97	423.93	429.11	5.19	860.09	11.89

* Shortage furnished by the respective constituent. \$ 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	5234	0	-112	-534	3029	0	228	-890	5234	19:00	0
Haryana	6087	0	-15	-158	3099	0	29	-359	6108	7:00	0
Rajasthan	8732	206	317	248	7930	0	240	346	10099	8:00	85
Delhi	3026	0	-86	-270	1478	0	32	-825	3540	11:00	0
UP	13600	0	276	-188	10429	0	36	102	13600	19:00	0
Uttarakhand	1829	0	144	271	1208	0	43	296	1902	8:00	0
HP	1196	0	-29	129	722	0	-29	494	1359	9:00	52
J&K	1943	486	-90	696	1614	404	-34	517	1943	19:00	486
Chandigarh	183	0	-12	-10	87	0	-4	-2	213	8:00	0
Total	41830	692	391	183	29598	404	542	-320	41830	19:00	692

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

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III. Regional Entities :

UI [OG:(+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	1690	1667	1473	36.83	1535	39.55	-2.72
	Rihand I STPS (2*500)	1000	484	427	381	10.45	435	10.47	-0.02
	Rihand II STPS (2*500)	1000	960	984	888	21.27	886	21.07	0.20
	Rihand III STPS (2*500)	1000	965	900	861	21.41	892	21.37	0.04
	Dadri I STPS (4*210)	840	812	400	310	7.24	301	7.86	-0.63
	Dadri II STPS (2*490)	980	980	462	355	9.36	390	10.08	-0.72
	Unchahar I TPS (2*210)	420	407	374	290	7.66	319	8.25	-0.59
	Unchahar II TPS (2*210)	420	405	323	292	7.11	296	7.58	-0.47
	Unchahar III TPS (1*210)	210	203	178	136	3.35	139	3.71	-0.37
	ISTPP (Jhajjar) (3*500)	1500	1440	505	0	6.58	274	7.22	-0.64
	Dadri GPS (4*130.19+2*154.51)	830	837	202	210	4.48	187	4.91	-0.43
	Anta GPS (3*88.71+1*153.2)	419	419	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	0.05	-0.01
	Singrauli Solar(15)	15	3	0	0	0.00	0	0.06	-0.06
	Sub Total (A)	12112	11124	7288	5196	138	5769	145	-6.36
B. NPC	NAPS (2*220)	440	412	451	454	9.95	415	9.89	0.06
	RAPS- B (2*220)	440	384	428	428	9.24	385	9.22	0.02
	RAPS- C (2*220)	440	410	447	450	9.76	407	9.84	-0.08
	Sub Total (B)	1320	1206	1326	1332	28.95	1206	28.94	0.01
C. NHPC	Chamera I HPS (3*180)	540	540	556	0	4.81	200	4.50	0.31
	Chamera II HPS (3*100)	300	301	304	0	1.18	49	1.12	0.06
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	120	125	0	1.54	64	1.50	0.04
	Salal-HPS (6*115)	690	199	326	210	5.50	229	4.78	0.71
	Tanakpur-HPS (3*31.4)	94	17	16	20	0.51	21	0.40	0.11
	Uri-I HPS (4*120)	480	351	354	360	8.65	361	8.42	0.24
	Uri-II HPS (4*60)	240	185	188	183	4.44	185	4.43	0.01
	Dhauliganga-HPS (4*70)	280	140	143	0	0.77	32	0.70	0.07
	Dulhasti-HPS (3*130)	390	387	401	0	2.89	120	2.70	0.19
	Sewa-II HPS (3*40)	120	119	129	121	2.87	120	2.85	0.02
	Parbati 3 (4*130)	520	130	131	0	0.40	17	0.39	0.01
	Sub Total (C)	4065	2488	2674	895	34	1399	32	1.78
D.SJVNL	NJPC (6*250)	1500	1615	1350	0	6.33	264	6.50	-0.17
	Rampur HEP (6*68.67)	412	359	296	0	1.69	70	1.66	0.03
	Sub Total (D)	1912	1974	1646	0	8.02	334	8.16	-0.14
E. THDC	Tehri HPS (4*250)	1000	900	866	0	7.07	295	7.00	0.07
	Koteshwar HPS (4*100)	400	122	393	70	2.72	114	2.68	0.04
	Sub Total (E)	1400	1022	1259	70	9.80	408	9.68	0.12
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	545	849	393	13.57	565	13.09	0.48
	Dehar HPS (6*165)	990	129	495	0	3.23	135	3.10	0.13
	Pong HPS (6*66)	396	175	384	0	4.18	174	4.19	-0.01
	Sub Total (F)	2765	849	1728	393	20.97	874	20.38	0.60
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.34	14	0.33	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.39	141	3.56	-0.17
	Malana Stg-II HPS (2*50)	100	0	0	0	0.17	7	0.16	0.01
	Shree Cement TPS (2*150)	300	0	146	168	6.03	251	6.15	-0.12
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
	Sub Total (G)	1662	0	776	168	9.94	414	10.20	-0.26
H. Total Regional Entities (A-G)	25237	18664	16697	8054	249.71	10405	253.97	-4.26	

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)
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Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	0	0	-0.13	-5
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.03	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.12	-5
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1
	Rajpura (2*700)	1400	1320	660	26.78	1116
	Talwandi Saboo (3*660)	1980	916	616	18.79	783
	Thermal (Total)	6560	2236	1276	45.27	1886
	Total Hydro	1000	343	199	8.43	351
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.21	9
	Solar	560	0	0	0.00	0
	Renewable(Total)	848	0	0	0.21	9
	Total Punjab	8408	2579	1475	53.91	2246
	Haryana	Panipat TPS (2*210+2*250)	920	430	0	6.34
DCRTPP (Yamuna nagar) (2*300)		600	270	0	2.43	101
Faridabad GPS (NTPC)(2*137.75+1*156)		432	204	155	4.51	188
RGTPP (khedar) (IPP) (2*600)		1200	0	392	3.32	138
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	597	375	10.99	458
Thermal (Total)		4497	1501	922	27.59	1149
Total Hydro		62	7	6	0.30	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	1508	928	27.88	1162
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	461	405	10.57
	suratgarh TPS (6*250)	1500	198	193	5.09	212
	Chabra TPS (4*250)	1000	842	779	20.84	869
	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	129	161	4.15	173
	RAPS A (NPC) (1*100+1*200)	300	175	190	4.39	183
	Barsingsar (NLC) (2*125)	250	222	226	5.27	220
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	827	593	17.89	745
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	501	555	14.78	616
	Kawai(Adani) (2*660)	1320	1190	1125	27.68	1153
	Thermal (Total)	8876	4545	4227	110.67	4611
	Total Hydro	550	184	171	4.49	187
	Wind power	4017	455	859	15.64	652
	Biomass	99	1	1	0.02	1
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	456	860	15.67	653
	Total Rajasthan	14837	5185	5258	130.83	5451
UP	Anpara TPS (3*210+2*500)	1630	945	928	22.80	950
	Obra TPS (2*50+2*94+5*200)	1194	655	560	15.30	638
	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	100	94	2.30	96
	Tanda TPS (NTPC) (4*110)	440	270	270	6.69	279
	Roza TPS (IPP) (4*300)	1200	819	554	16.30	679
	Anpara-C (IPP) (2*600)	1200	1067	630	22.50	938
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	576	590	14.70	613
	Lalitpur TPS(3*660)	1980	1236	1071	28.10	1171
	Bara(2*660)	1320	1067	729	23.80	992
	Thermal (Total)	12449	6735	5426	152.49	6354
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.60	67
	Alaknanda(4*82.5)	330	76	0	1.00	42
	Other Hydro	527	20	221	2.40	100
	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	7749	6560	177.89	7412	
Uttarakhand	Other Hydro	1250	476	187	6.01	251
	Total Gas	225	293	302	7.09	295
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.07	3
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.07	3
	Total Uttarakhand	1802	769	489	13.17	549
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	73	73	1.95	81
	Pragati Gas Turbine (2x104+ 1x122)	330	158	160	3.87	161
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	249	280	6.36	265
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	-0.18	-7
	Thermal (Total)	2917	480	513	12.00	500
	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	480	513	12.00	500	
HP	Baspa HPS (IPP) (3*100)	300	29	0	1.03	43
	Malana HPS (IPP) (2*43)	86	0	0	0.16	7
	Other Hydro	372	194	107	4.20	175
	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	107	96	2.42	101
	Renewable(Total)	486	107	96	2.42	101
	Total HP	1244	329	202	7.81	325

J & K	Baglihar HPS (IPP) (3*150+3*150)	900	297	147	4.58	191
	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	428	256	7	312
Total State Control Area Generation		50078	19027	15681	430.97	17957
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			8152	6857	199.60	8317
Total Regional Availability(Gross)		75315	43877	30593	880.29	36679

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8803	1358	78.93	3289
State Control Area Hydro	7163	2224	1607	39.53	1945
Total Regional Hydro	19397	11027	2965	118.45	5234

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	563	956	18.36	765
Total Regional Renewable	7386	563	956	18.43	768

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)	-400	-500	0	500	0.00	11.60	-11.60
765 KV Gwalior-Agra (D/C)	2611	2024	2867	0	60.59	0.00	60.59
400 KV Zerda-Kankroli	-81	-161	6	196	0.00	2.30	-2.30
400 KV Zerda-Bhinmal	7	-94	105	161	0.00	0.22	-0.22
220 KV Auraiya-Malanpur	-34	-35	0	52	0.00	0.64	-0.64
220 KV Badod-Kota/Morak	34	1	73	-9	0.60	0.00	0.60
Mundra-Mohindergarh(HVDC Bipole)	2498	2403	2505	0.00	58.61	0.00	58.61
400 KV RAPPCC-Sujalpur	374	183	374	0	6.30	0.00	6.30
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1269	1170	1553	0	31.17	0.00	31.17
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	6278	4991			157.27	14.77	142.50
400 kV Sasaram - Varanasi	202	194	208	0	6.93	0.00	6.93
400 kV Sasaram - Allahabad	39	43	72	0	1.25	0.00	1.25
400 KV MZP- GKP (D/C)	109	241	382	0	5.60	0.00	5.60
400 KV Patna-Balia(D/C) X 2	722	632	787	0	16.88	0.00	16.88
400 KV B'Sharif-Balia (D/C)	25	94	197	0	3.00	0.00	3.00
765 KV Gaya-Balia	264	221	335	0	6.93	0.00	6.93
765 KV Gaya-Varanasi (D/C)	519	395	784	0	13.72	0.00	13.72
220 KV Pusauli-Sahupuri	170	142	202	0	3.70	0.00	3.70
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.48	-0.48
132 KV Son Ngr-Rihand	-26	-24	0	27	0.00	0.48	-0.48
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-236	-107	0	236	0.00	1.83	-1.83
400 KV Barh -GKP (D/C)	580	492	580	0	12.10	0.00	12.10
400 kV B'Sharif - Varanasi (D/C)	6	43	190	44	1.91	0.00	1.91
Sub Total ER	2374	2366			72.02	2.79	69.23
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	12.14	-12.14
Sub Total NER	-500	-500			0.00	12.14	-12.14
Total IR Exch	8152	6857			229.29	29.69	199.60

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

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
45.40	0.30	45.70	-2.48	1.18	6.88	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
50.09	145.69	195.78	57.10	142.50	199.60	7.01	-3.18	3.82

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	-15	-15	0	17	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	0.00	6.81	59.65	82.57	7.50	0.00	0.00	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	(Hz)	(Hz)	(Hz)	(Hz)	
50.17	18.02	49.81	12.10	49.99	0.034	0.057	0.00	0.00	17.43

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage e 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)				Voltage 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	480.16	461.24	493.30	838.00	165.17	426.71
Pong	426.72	384.05	403.81	312.39	403.32	296.79	84.50	295.15
Tehri	829.79	740.04	791.20	471.00	783.50	365.00	11.12	182.00
Koteshwar	612.50	598.50	610.72	5.20	610.86	4.95	182.00	182.62
Chamera-I	760.00	748.75	758.69	0.00	0.00	0.00	100.92	129.95
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	504.25	1.61	495.50	0.53	174.99	80.09

* 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	-178	-712	0	-178	-356	0	-8.43	-8.26	-16.69
Delhi	-184	-641	0	-304	33	0	-6.02	-1.31	-7.34
Haryana	-730	371	0	-420	262	0	-12.57	7.31	-5.26
HP	412	82	0	324	-195	0	11.90	-2.14	9.76
J&K	517	0	0	514	182	0	12.22	2.91	15.13
CHD	0	-2	0	0	-10	0	0.00	-0.09	-0.09
Rajasthan	31	315	0	7	240	0	8.14	6.83	14.97
UP	102	0	0	-88	-100	0	-7.17	-1.80	-8.96
Uttarakhand	120	175	0	0	271	0	1.75	6.60	8.35
Total	91	-410	0	-144	327	0	-0.18	10.05	9.86

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-178	-767	0	-916	0	0
Delhi	-184	-347	539	-641	0	0
Haryana	-224	-730	372	127	0	0
HP	822	115	82	-620	0	0
J&K	517	499	369	-86	0	0
CHD	0	0	34	-46	0	0
Rajasthan	916	7	561	161	0	0
UP	154	-820	0	-100	0	0
Uttarakhand	120	0	469	118	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	4.86%
ER	0.00%
Simultaneous	8.33%

(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	1	16
Haryana	0	8

Rajasthan	2	21
Delhi	2	22
UP	1	14
Uttarakhand	3	24
HP	1	15
J & K	3	29
Chandigarh	4	44

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 09.02.2017 :

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 : 09.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER