

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.02.2017

Date of Reporting : 25.02.2017



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
40084	516	40600	49.95	31472	416	31888	50.02	881.00	1.29

* 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	47.21	9.55	0.35	57.12	58.07	57.82	-0.24	114.94	0.00
Haryana	25.99	0.25	0.00	26.24	97.25	100.48	3.23	126.71	0.00
Rajasthan	119.90	5.10	12.79	137.79	71.30	73.93	2.63	211.72	0.04
Delhi	11.95		0.00	11.95	47.56	46.45	-1.11	58.40	0.00
UP	157.92	4.80	0.00	162.72	93.01	93.69	0.68	256.41	0.00
Uttarakhand		8.84	0.00	12.16	20.46	21.13	0.67	33.28	1.26
HP		9.76	3.35	9.76	18.74	19.18	0.44	28.94	0.00
J & K		10.41	0.00	10.41	36.33	37.09	0.76	47.49	0.00
Chandigarh				0.00	3.39	3.11	-0.29	3.11	0.00
Total	362.97	48.70	16.49	428.13	446.11	452.87	6.76	881.00	1.29

* 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	6392	0	-2	-101	3406	0	11	-303	6392	19:00	0
Haryana	5753	0	95	7	3761	0	104	-249	6459	7:00	0
Rajasthan	8461	0	73	306	8339	0	72	378	9929	8:00	0
Delhi	2668	0	-263	-420	1476	0	-53	-935	3586	11:00	0
UP	11844	40	152	-131	10853	0	348	7	12740	8:00	0
Uttarakhand	1813	0	80	75	1118	0	-76	97	1814	7:00	0
HP	1088	0	-32	96	776	0	24	402	1479	10:00	0
J&K	1904	476	-107	353	1663	416	0	270	2043	8:00	511
Chandigarh	160	0	-34	-30	81	0	-2	-25	193	8:00	0
Total	40084	516	-37	156	31472	416	428	-358	42218	8:00	661

* 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	1690	1829	1818	39.77	1657	39.52	0.25
Rihand I STPS (2*500)	1000	484	434	376	10.30	429	10.23	0.07
Rihand II STPS (2*500)	1000	960	856	798	21.04	877	20.89	0.16
Rihand III STPS (2*500)	1000	983	845	820	20.94	873	21.37	-0.43
Dadri I STPS (4*210)	840	815	325	301	7.27	303	7.63	-0.36
Dadri II STPS (2*490)	980	980	354	348	8.93	372	9.49	-0.57
Unchahar I TPS (2*210)	420	407	352	283	7.40	308	7.87	-0.47
Unchahar II TPS (2*210)	420	405	342	287	7.26	302	7.65	-0.39
Unchahar III TPS (1*210)	210	203	150	135	3.44	143	3.74	-0.30
ISTPP (Jhajihar) (3*500)	1500	1440	601	609	16.15	673	16.40	-0.25
Dadri GPS (4*130.19+2*154.51)	830	607	0	0	0.00	0	0.00	0.00
Anta GPS (3*88.71+1*153.2)	419	411	208	194	5.29	221	5.39	-0.10
Auraiya GPS (4*111.19+2*109.30)	663	644	142	157	3.51	146	3.78	-0.27
Dadri Solar(5)	5	1	0	0	0.03	1	0.03	0.00
Unchahar Solar(10)	10	2	0	0	0.06	2	0.05	0.01
Singrauli Solar(15)	15	2	0	0	0.07	3	0.06	0.02
KHEP(4*200)	800	872	863	0	2.57	107	2.62	-0.05
Sub Total (A)	12112	10906	7301	6126	154	6417	157	-2.69
B. NPC								
NAPS (2*220)	440	410	454	453	10.06	419	9.84	0.22
RAPS- B (2*220)	440	381	427	427	9.22	384	9.14	0.08
RAPS- C (2*220)	440	402	445	448	9.63	401	9.65	-0.02
Sub Total (B)	1320	1193	1326	1328	28.91	1204	28.63	0.27
C. NHPC								
Chamera I HPS (3*180)	540	548	554	0	4.19	175	4.00	0.19
Chamera II HPS (3*100)	300	301	309	0	1.66	69	1.55	0.11
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
Bairasuli HPS(3*60)	180	179	185	62	1.98	83	1.95	0.03
Salal-HPS (6*115)	690	181	400	240	5.11	213	4.35	0.76
Tanakpur-HPS (3*31.4)	94	18	17	17	0.48	20	0.44	0.04
Uri-I HPS (4*120)	480	475	472	473	11.51	479	11.40	0.11
Uri-II HPS (4*60)	240	239	241	243	5.75	239	5.75	0.00
Dhauliganga-HPS (4*70)	280	140	134	0	0.76	31	0.74	0.02
Dulhasti-HPS (3*130)	390	387	377	0	2.36	98	2.20	0.16
Sewa-II HPS (3*40)	120	124	128	129	3.02	126	2.98	0.04
Parbati 3 (4*130)	520	130	134	0	0.40	17	0.39	0.01
Sub Total (C)	4065	2722	2951	1164	37	1550	36	1.47
D.SJVNL								
NJPC (6*250)	1500	1605	1596	0	6.66	278	6.80	-0.14
Rampur HEP (6*68.67)	412	442	444	0	1.89	79	1.89	0.00
Sub Total (D)	1912	2047	2040	0	8.55	356	8.69	-0.14
E. THDC								
Tehri HPS (4*250)	1000	836	829	0	9.69	404	9.70	-0.01
Koteshwar HPS (4*100)	400	163	390	101	3.93	164	3.90	0.03
Sub Total (E)	1400	999	1219	101	13.61	567	13.60	0.01
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	555	969	368	13.78	574	13.32	0.46
Dehar HPS (6*165)	990	161	495	0	4.05	169	3.86	0.19
Pong HPS (6*66)	396	199	305	0	4.77	199	4.79	-0.01
Sub Total (F)	2765	915	1769	368	22.60	942	21.96	0.64
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.32	13	0.31	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	616	0	3.66	152	3.77	-0.11
Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.25	-0.06
Shree Cement TPS (2*150)	300	0	218	169	5.68	237	5.73	-0.05
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
Sub Total (G)	1662	0	834	169	9.84	410	10.06	-0.21
H. Total Regional Entities (A-G)	25237	18782	17440	9256	274.73	11447	275.38	-0.65

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	-0.08	-3
	Goidwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	660	25.99	1083
	Talwandi Saboo (3*660)	1980	1228	616	21.46	894
	Thermal (Total)	6560	2548	1276	47.21	1967
	Total Hydro	1000	351	232	9.55	398
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.27	11
	Solar	560	0	0	0.08	3
	Renewable(Total)	848	0	0	0.35	15
	Total Punjab	8408	2899	1508	57.12	2380
Haryana	Panipat TPS (2*210+2*250)	920	403	409	10.36	432
	DCRTPP (Yamuna nagar) (2*300)	600	459	460	11.92	497
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	157	157	3.72	155
	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	1019	1026	25.99	1083
	Total Hydro	62	7	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	1026	1033	26.24	1093
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	884	862	21.90
suratgarh TPS (6*250)		1500	178	180	4.60	192
Chabra TPS (4*250)		1000	582	747	16.60	692
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	163	4.40	183
RAPS A (NPC) (1*100+1*200)		300	193	192	4.40	183
Barsingar (NLC) (2*125)		250	215	214	5.00	208
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	570	395	13.80	575
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	819	832	22.90	954
Kawai(Adani) (2*660)		1320	1175	877	26.30	1096
Thermal (Total)		8876	4789	4462	119.90	4996
Total Hydro		550	253	150	5.10	213
Wind power		4017	132	1278	12.06	503
Biomass		99	18	18	0.42	18
Solar		1295	9	0	0.31	13
Renewable/Others (Total)		5411	159	1296	12.79	533
Total Rajasthan		14837	5201	5908	137.79	5741
UP	Anpara TPS (3*210+2*500)	1630	1211	1317	30.50	1271
	Obra TPS (2*50+2*94+5*200)	1194	491	439	11.00	458
	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	0	0	0.00	0
	Tanda TPS (NTPC) (4*110)	440	228	210	5.72	238
	Roza TPS (IPP) (4*300)	1200	743	756	20.10	838
	Anpara-C (IPP) (2*600)	1200	527	529	11.80	492
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	869	869	19.60	817
	Lalitpur TPS(3*660)	1980	1076	1058	27.40	1142
	Bara(2*660)	1320	506	383	11.40	475
	Thermal (Total)	12449	5651	5561	137.52	5730
	Vishnuparyag HPS (IPP)(4*110)	440	63	63	1.50	63
	Alaknada(4*82.5)	330	77	0	1.00	42
	Other Hydro	527	25	24	2.30	96
	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	6666	6498	162.72	6780	
Uttarakhand	Other Hydro	1250	504	280	8.84	368
	Total Gas	225	198	98	3.20	133
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.13	5
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.13	5
	Total Uttarakhand	1802	702	378	12.16	507
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	73	73	1.96	81
	Pragati Gas Turbine (2x104+ 1x122)	330	157	160	3.79	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	280	249	6.20	258
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	510	482	11.95	498
	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	510	482	11.95	498
	HP	Baspa HPS (IPP) (3*100)	300	0	0	0.93
Malana HPS (IPP) (2*43)		86	0	0	0.20	8
Other Hydro		372	191	146	5.27	220
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	147	131	3.35	140
Renewable(Total)		486	147	131	3.35	140
Total HP		1244	338	278	9.76	407
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	290	249	7.50
	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	421	358	10	434	

Total State Control Area Generation	50078	17763	16443	428.13	17839
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7196	7258	203.16	8465
Total Regional Availability(Gross)	75315	42398	32956	906.02	37751

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9458	1633	88.70	3696
State Control Area Hydro	7163	2237	1490	48.70	2167
Total Regional Hydro	19397	11695	3123	137.39	5863

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.16	7
State Control Area Renewable	7356	306	1427	16.62	692
Total Regional Renewable	7386	306	1427	16.78	699

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	-300	500	300	3.19	2.65	0.54
765 KV Gwalior-Agra (D/C)	2015	2333	2761	0	57.24	0.00	57.24
400 KV Zerda-Kankroli	-66	-183	25	235	0.00	1.82	-1.82
400 KV Zerda-Bhimnal	78	-83	134	152	0.00	0.26	-0.26
220 KV Auraiya-Malanpur	-88	-110	0	125	0.00	2.31	-2.31
220 KV Badod-Kota/Morak	-43	-43	0	64	0.00	0.74	-0.74
Mundra-Mohinderghar(HVDC Bipole)	2195	2497	2506	0.00	56.88	0.00	56.88
400 KV RAPP-Subalpur	332	10	271	0	4.69	0.00	4.69
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1010	1144	1556	0	29.63	0.00	29.63
+/- 800 kV HVDC Champa-Kurushetra	150	149	1794	0	1.79	0.00	1.79
Sub Total WR	5533	5265			151.63	7.78	143.85
400 kV Sasaram - Varanasi	279	187	288	0	5.70	0.00	5.70
400 kV Sasaram - Allahabad	107	55	143	0	2.37	0.00	2.37
400 KV MZP- GKP (D/C)	176	326	434	0	7.04	0.00	7.04
400 KV Patna-Balia(D/C) X 2	530	657	861	0	14.13	0.00	14.13
400 KV B'Sharif-Balia (D/C)	59	123	205	0	1.39	0.00	1.39
765 KV Gaya-Balia	164	196	301	0	5.35	0.00	5.35
765 KV Gaya-Varanasi (D/C)	624	442	728	0	12.37	0.00	12.37
220 KV Pusauli-Sahupuri	99	182	213	0	3.98	0.00	3.98
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-26	0	28	0.00	0.59	-0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-209	-86	81	209	0.00	1.00	-1.00
400 KV Barh -GKP (D/C)	478	482	598	0	11.51	0.00	11.51
400 kV B'Sharif - Varanasi (D/C)	-118	-45	139	104	1.05	0.00	1.05
Sub Total ER	2163	2493			64.87	1.59	63.28
+/- 800 KV HVDC BiswanathChariali-Agra	-500	-500	300	500.00	0.00	3.97	-3.97
Sub Total NER	-500	-500			0.00	3.97	-3.97
Total IR Exch	7196	7258			216.50	13.34	203.16

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
47.61	0.21	47.83	-2.73	0.48	0.65	-0.68	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
45.75	144.23	189.98	59.31	143.85	203.16	13.56	-0.38	13.18

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	-31	0	39	0	1	-0.89

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	4.96	48.70	73.26	17.35	4.83	0.39	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)		
50.31	18.01	49.82	22.06	50.00	0.041	0.064	50.15	49.89	26.74

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	13:32	399	10:01	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	13:28	402	9:07	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	13:23	400	8:51	0.0	0.0	0.5	0.0	0.5
Kanpur	400	419	14:07	401	8:49	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	2:33	404	9:45	0.0	0.0	34.9	0.0	34.9
Ballabgarh	400	423	3:03	402	8:52	0.0	0.0	12.5	0.0	12.5
Bawana	400	426	4:01	404	9:45	0.0	0.0	24.3	0.0	24.3
Bassi	400	428	18:00	402	6:45	0.0	0.0	9.5	0.0	9.5
Hissar	400	419	3:58	399	8:51	0.0	0.0	0.0	0.0	0.0
Moga	400	420	0:52	399	11:35	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	424	2:48	406	11:33	0.0	0.0	26.2	0.0	26.2
Nalagarh	400	426	3:28	409	11:39	0.0	0.0	33.7	0.0	33.7
Kishenpur	400	416	0:56	396	11:39	0.0	0.0	0.6	0.0	0.6
Wagoora	400	387	3:41	366	19:10	75.1	100.0	0.0	0.0	75.1
Amritsar	400	424	0:52	402	11:34	0.0	0.0	24.1	0.0	24.1
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	417	0:10	403	7:18	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	423	3:44	399	8:48	0.0	0.0	10.4	0.0	10.4

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	782	14:02	744	8:51	0.0	0.0	0.0	0.0	0.0
Balia	765	788	13:30	757	8:51	0.0	0.0	0.0	0.0	0.0

Moga	765	797	18:01	764	11:39	0.0	0.0	0.0	0.0	0.0
Agra	765	796	18:01	756	8:20	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	808	18:01	773	8:44	0.0	0.0	10.1	0.0	10.1
Unnao	765	785	14:01	749	18:40	0.0	0.0	0.0	0.0	0.0
Lucknow	765	795	14:02	761	8:50	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	13:24	768	6:45	0.0	0.0	5.3	0.0	5.3
Jhatikara	765	805	3:25	758	12:28	0.0	0.0	11.3	0.0	11.3
Bareilly 765 kV	765	796	3:00	762	8:51	0.0	0.0	0.0	0.0	0.0
Anta	765	791	17:27	766	10:11	0.0	0.0	0.0	0.0	0.0
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	475.40	361.66	489.15	709.72	127.37	448.31
Pong	426.72	384.05	401.15	244.95	399.68	209.93	72.97	342.32
Tehri	829.79	740.04	783.20	361.52	775.20	265.16	37.49	261.00
Koteshwar	612.50	598.50	610.09	4.50	611.02	4.95	261.00	258.67
Chamera-I	760.00	748.75	757.96	0.00	0.00	0.00	110.85	143.39
Rihand	268.22	252.98	859.10	410.00	846.20	197.90	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	505.15	2.13	496.10	0.57	187.40	90.37

* 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	-202	0	-101	0	0	-6.39	-0.99	-7.38
Delhi	-184	-752	0	-303	-117	0	-6.14	-5.60	-11.74
Haryana	-622	373	0	-314	321	0	-9.99	7.72	-2.27
HP	319	83	0	206	-110	0	9.00	-2.25	6.75
J&K	422	-151	0	418	-65	0	9.92	-2.14	7.78
CHD	0	-25	0	0	-30	0	0.00	-0.52	-0.52
Rajasthan	24	354	0	23	283	0	8.18	6.97	15.14
UP	107	-100	0	-31	-100	0	-6.07	-2.17	-8.24
Uttarakhand	41	56	0	0	75	0	1.08	2.61	3.69
Total	6	-364	0	-101	257	0	-0.42	3.62	3.20

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-655	1	-202	0	0
Delhi	-181	-341	187	-755	0	0
Haryana	-314	-622	394	67	0	0
HP	529	201	83	-680	0	0
J&K	422	403	0	-303	0	0
CHD	0	0	0	-66	0	0
Rajasthan	922	20	354	-179	0	0
UP	153	-710	0	-100	0	0
Uttarakhand	121	0	353	-44	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	2.78%
ER	0.00%
Simultaneous	3.13%

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

WR	17.36%
ER	1.39%
Simultaneous	22.22%

(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	15
Haryana	1	14
Rajasthan	0	9
Delhi	5	34
UP	0	8
Uttarakhand	2	21
HP	4	31
J & K	4	28
Chandigarh	2	25

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 24.02.2017 :

XVI. Synchronisation of new generating units :

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

0
0
0
0
0

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 : 24.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER