

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 23.03.2017

Date of Reporting : 24.03.2017



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
39452	848	40300	49.97	33694	610	34304	49.98	886.66	20.82

* 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	56.99	8.20	0.33	65.52	59.46	58.31	-1.16	123.83	0.00
Haryana	14.81	0.40	0.00	15.21	107.76	108.29	0.53	123.50	0.00
Rajasthan	112.22	3.60	7.52	123.33	62.54	61.73	-0.81	185.07	0.00
Delhi	11.72		0.00	11.72	55.99	56.98	0.99	68.70	0.00
UP	136.31	5.54	0.00	141.86	132.79	140.02	7.24	281.88	8.90
Uttarakhand		6.91	0.00	9.34	23.95	24.86	0.92	34.20	1.34
HP		7.18	3.33	7.18	16.26	16.70	0.43	23.88	0.05
J & K		6.93	0.00	6.93	34.79	35.21	0.42	42.14	10.54
Chandigarh				0.00	3.66	3.47	-0.19	3.47	0.00
Total	332.05	38.76	11.18	381.09	497.19	505.57	8.38	886.66	20.82

* 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	5964	0	-138	0	4086	0	-80	-202	6368	20:00	0
Haryana	5651	0	-18	214	3861	0	-328	-65	5987	7:00	0
Rajasthan	7258	0	199	414	7346	0	126	439	8670	8:00	0
Delhi	3291	0	-47	-221	1985	0	112	-766	3607	20:00	0
UP	12424	285	156	53	12620	180	552	31	13013	7:00	190
Uttarakhand	1719	75	118	290	1250	0	61	384	1758	7:00	0
HP	1012	0	-39	-196	735	0	64	304	1257	8:00	0
J&K	1952	488	80	284	1719	430	141	372	1952	19:00	488
Chandigarh	183	0	-16	-25	92	0	7	-20	183	19:00	0
Total	39452	848	294	812	33694	610	654	477	41659	20:00	822

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

Diversity is 1.03

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

III. Regional Entities :

Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1838	2010	2021	44.33	1847	44.12	0.21	
Rihand I STPS (2*500)	1000	923	982	1002	21.79	908	22.09	-0.31	
Rihand II STPS (2*500)	1000	951	1010	1032	23.14	964	22.69	0.45	
Rihand III STPS (2*500)	1000	955	967	1012	22.88	954	22.68	0.20	
Dadri I STPS (4*210)	840	815	415	391	8.94	373	9.74	-0.80	
Dadri II STPS (2*490)	980	980	515	464	11.23	468	11.76	-0.53	
Unchahar I TPS (2*210)	420	407	417	443	9.22	384	9.60	-0.39	
Unchahar II TPS (2*210)	420	405	438	425	9.27	386	9.49	-0.22	
Unchahar III TPS (1*210)	210	203	207	217	4.66	194	4.72	-0.07	
ISTPP (Jhajjar) (3*500)	1500	1440	992	982	21.53	897	21.90	-0.37	
Dadri GPS (4*130.19+2*154.51)	830	407	338	277	8.03	335	8.81	-0.78	
Anta GPS (3*88.71+1*153.2)	419	262	0	0	0.00	0.00	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	644	0	0	0.00	0.00	0.00	0.00	
Dadri Solar(5)	5	1	0	0	0.02	1	0.03	-0.01	
Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00	
Singrauli Solar(15)	15	1	0	0	0.00	0	0.03	-0.03	
KHEP(4*200)	800	872	863	0	2.59	108	2.62	-0.03	
Sub Total (A)	12112	11106	9154	8266	188	7819	190	-2.66	
B. NPC									
NAPS (2*220)	440	405	429	442	9.49	395	9.72	-0.23	
RAPS- B (2*220)	440	377	413	423	9.01	375	9.05	-0.04	
RAPS- C (2*220)	440	210	233	234	4.84	201	5.04	-0.21	
Sub Total (B)	1320	992	1075	1099	23.33	972	23.81	-0.48	
C. NHPC									
Chamera I HPS (3*180)	540	548	559	0	6.25	260	6.00	0.25	
Chamera II HPS (3*100)	300	301	310	0	2.11	88	2.00	0.11	
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00	
Bairasuli HPS(3*60)	180	179	184	0	2.76	115	2.60	0.16	
Salal-HPS (6*115)	690	193	327	150	5.61	234	4.64	0.97	
Tanakpur-HPS (3*31.4)	94	18	29	19	0.50	21	0.44	0.07	
Uri-I HPS (4*120)	480	466	480	479	11.65	485	11.19	0.45	
Uri-II HPS (4*60)	240	237	241	240	5.74	239	5.69	0.05	
Dhauliganga-HPS (4*70)	280	280	283	0	0.90	38	0.84	0.06	
Dulhasti-HPS (3*130)	390	387	404	0	3.36	140	3.00	0.36	
Sewa-II HPS (3*40)	120	123	134	129	3.17	132	2.94	0.22	
Parbati 3 (4*130)	520	130	131	0	0.40	17	0.39	0.01	
Sub Total (C)	4065	2863	3082	1017	42	1769	40	2.72	
D.SJVNL									
NJPC (6*250)	1500	1605	1623	0	6.15	256	6.00	0.15	
Rampur HEP (6*88.67)	412	375	374	0	1.64	68	1.61	0.03	
Sub Total (D)	1912	1980	1997	0	7.79	325	7.61	0.18	
E. THDC									
Tehri HPS (4*250)	1000	712	700	0	6.79	283	6.80	-0.01	
Koteshwar HPS (4*100)	400	125	306	92	3.06	128	3.00	0.06	
Sub Total (E)	1400	837	1006	92	9.85	411	9.80	0.05	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	416	948	338	10.52	438	9.98	0.53	
Dehar HPS (6*165)	990	202	495	0	5.01	209	4.84	0.17	
Pong HPS (6*66)	396	141	275	0	3.40	142	3.39	0.01	
Sub Total (F)	2765	759	1718	338	18.92	788	18.21	0.71	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.45	19	0.42	0.03	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	585	0	3.27	136	3.32	-0.05	
Malana Stg-II HPS (2*50)	100	0	0	0	0.24	10	0.24	0.00	
Shree Cement TPS (2*150)	300	0	145	149	3.51	146	3.89	-0.39	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.22	9	0.22	-0.01	
Sub Total (G)	1662	0	730	149	7.68	320	8.10	-0.42	
H. Total Regional Entities (A-G)	25237	18536	18762	10962	297.68	12404	297.58	0.11	

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	216	0	2.17	90
	Goidwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	1320	31.09	1296
	Talwandi Saboo (3*660)	1980	1200	616	23.88	995
	Thermal (Total)	6560	2736	1936	56.99	2375
	Total Hydro	1000	398	212	8.20	342
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.25	11
	Solar	560	0	0	0.08	3
	Renewable(Total)	848	0	0	0.33	14
	Total Punjab	8408	3134	2148	65.52	2730
Haryana	Panipat TPS (2*210+2*250)	920	196	91	4.78	199
	DCRTPP (Yamuna nagar) (2*300)	600	221	220	5.90	246
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	167	171	4.13	172
	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	584	482	14.81	617
	Total Hydro	62	12	13	0.40	17
	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	596	495	15.21	634
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	318	152	6.58	274
	suratgarh TPS (6*250)	1500	179	181	4.61	192
	Chabra TPS (4*250)	1000	786	859	20.56	857
	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	164	32	3.98	166
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.29	179
	Barsingar (NLC) (2*125)	250	213	218	5.01	209
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	554	527	15.05	627
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	819	829	23.57	982
	Kawai(Adani) (2*660)	1320	1121	1194	28.57	1190
	Thermal (Total)	8876	4348	4186	112.22	4676
	Total Hydro	550	169	77	3.60	150
	Wind power	4017	124	504	7.07	295
	Biomass	99	19	19	0.45	19
	Solar	1295	3	0	0.00	0
	Renewable/Others (Total)	5411	146	523	7.52	313
	Total Rajasthan	14837	4663	4786	123.33	5139
UP	Anpara TPS (3*210+2*500)	1630	1373	1446	33.30	1388
	Obra TPS (2*50+2*94+5*200)	1194	602	599	14.46	602
	Paricha TPS (2*110+2*220+2*250)	1160	807	747	18.31	763
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaqanj TPS (1*60+1*105+2*250)	665	205	214	5.07	211
	Tanda TPS (NTPC) (4*110)	440	390	392	9.13	381
	Roza TPS (IPP) (4*300)	1200	373	0	2.99	125
	Anpara-C (IPP) (2*600)	1200	531	527	12.76	532
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	455	819	12.38	516
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	0	581	7.51	313
	Thermal (Total)	12449	4736	5325	115.91	4830
	Vishnuparyag HPS (IPP)(4*110)	440	68	73	1.68	70
	Alakanada(4*82.5)	330	84	0	1.12	47
	Other Hydro	527	153	124	2.74	114
	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	5891	6372	141.86	5911	
Uttarakhand	Other Hydro	1250	401	186	6.91	288
	Total Gas	225	93	97	2.23	93
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.21	9
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.21	9
	Total Uttarakhand	1802	494	283	9.34	389
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	78	80	1.82	76
	Pragati Gas Turbine (2x104+ 1x122)	330	155	150	3.65	152
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.26	261
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	483	480	11.72	488
	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	483	480	11.72	488
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.88	37
	Malana HPS (IPP) (2*43)	86	0	0	0.27	11
	Other Hydro (>25MW)	372	110	66	2.71	113
	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	167	107	3.33	139
	Renewable(Total)	486	167	107	3.33	139
	Total HP	1244	277	173	7.18	299
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	145	145	4.06
Other Hydro/IPP(including 98 MW Small Hydro)		308	136	120	2.86	119
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	281	265	7	289	

Total State Control Area Generation	50078	15819	15002	381.09	15879
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7832.9	6942.8	222.93	9289
Total Regional Availability(Gross)	75315	42413	32906	901.71	37571

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9251	1447	85.56	3565
State Control Area Hydro	7163	1936	1220	38.76	1716
Total Regional Hydro	19397	11187	2667	124.33	5282

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	313	630	11.39	475
Total Regional Renewable	7386	313	630	11.46	477

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)	50	-400	50	400	0.18	4.70	-4.52
765 KV Gwalior-Agra (D/C)	2210	2473	2999	0	63.11	0.00	63.11
400 KV Zerda-Kankroli	-220	-143	9	232	0.00	3.73	-3.73
400 KV Zerda-Bhimnal	-107	-81	148	203	0.00	1.84	-1.84
220 KV Auraiya-Malanpur	-14	-18	0	30	0.10	0.00	0.10
220 KV Badod-Kota/Morak	33	36	100	0	0.99	0.00	0.99
Mundra-Mohinderghar(HVDC Bipole)	1999	2003	2354	0.00	45.38	0.00	45.38
400 KV RAPP-Subalpur	380	360	450	0	8.97	0.00	8.97
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1043	1132	1442	0	27.10	0.00	27.10
+/- 800 kV HVDC Champa-Kurushetra	600	600	1500	0	17.61	0.00	17.61
Sub Total WR	5974	5962			163.44	10.27	153.17
400 kV Sasaram - Varanasi	291	-283	301	0	9.79	0.00	9.79
400 kV Sasaram - Allahabad	99	109	143	0	2.91	0.00	2.91
400 KV MZP- GKP (D/C)	-22	306	629	22	6.79	0.00	6.79
400 KV Patna-Balia(D/C) X 2	629	823	899	0	19.92	0.00	19.92
400 KV B'Sharif-Balia (D/C)	16	119	280	0	3.69	0.00	3.69
765 KV Gaya-Balia	242	247	249	0	6.99	0.00	6.99
765 KV Gaya-Varanasi (D/C)	-373	-461	810	0	13.96	0.00	13.96
220 KV Pusauli-Sahupuri	235	191	235	0	1.06	0.00	1.06
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-25	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	-131	-121	131	175	0.00	1.07	-1.07
400 KV Barh -GKP (D/C)	516	580	602	0	12.58	0.00	12.58
400 kV B'Sharif - Varanasi (D/C)	81	-4	217	121	1.54	0.00	1.54
Sub Total ER	1559	1481			79.24	1.55	77.69
+/- 800 KV HVDC BiswanathChariali-Agra	300	-500	300	500.00	0.00	7.93	-7.93
Sub Total NER	300	-500			0.00	7.93	-7.93
Total IR Exch	7833	6943			242.68	19.75	222.93

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
56.65	0.28	56.93	-1.90	-0.42	14.08	8.30	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
69.11	153.27	222.39	69.76	153.17	222.93	0.65	-0.10	0.54

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	-38	-39	0	39	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	1.03	17.42	68.36	69.97	9.80	2.88	0.25	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)	
50.25	18.02	49.77	22.07	49.97	0.065	0.073	50.10	49.83	30.03

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	406	13:03	402	5:26	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	13:04	401	11:20	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	20:59	379	11:36	0.0	3.2	0.0	0.0	0.0
Kanpur	400	413	18:03	396	12:40	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	0:44	398	14:09	0.1	0.1	0.0	0.0	0.1
Ballabgarh	400	420	3:31	397	12:36	0.0	0.0	0.0	0.0	0.0
Bawana	400	422	1:01	398	12:37	0.0	0.0	1.3	0.0	1.3
Bassi	400	423	18:00	400	12:40	0.0	0.0	0.8	0.0	0.8
Hissar	400	417	1:00	395	12:39	0.0	0.0	0.0	0.0	0.0
Moga	400	419	0:43	398	11:39	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	0:45	401	14:13	0.0	0.0	16.6	0.0	16.6
Nalagarh	400	425	0:42	406	11:37	0.0	0.0	21.6	0.0	21.6
Kishenpur	400	415	3:30	396	10:28	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	13:02	373	10:37	31.2	69.7	0.0	0.0	31.2
Amritsar	400	422	0:42	402	10:27	0.0	0.0	1.6	0.0	1.6
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	413	8:03	401	12:39	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	420	13:06	390	11:25	0.0	0.0	0.0	0.0	0.0

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	773	18:02	739	12:39	0.0	1.4	0.0	0.0	0.0
Balia	765	781	13:05	753	11:39	0.0	0.0	0.0	0.0	0.0

Moga	765	799	1:00	759	12:39	0.0	0.0	0.0	0.0	0.0
Agra	765	790	18:02	746	12:40	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	800	21:00	761	12:36	0.0	0.0	0.0	0.0	0.0
Unnao	765	772	20:59	743	11:39	0.0	0.0	0.0	0.0	0.0
Lucknow	765	787	13:05	745	11:39	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	1:00	759	12:40	0.0	0.0	1.0	0.0	1.0
Jhatikara	765	773	11:02	759	11:39	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	795	20:59	735	11:39	0.0	2.5	0.0	0.0	0.0
Anta	765	798	18:05	739	16:03	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	465.94	208.49	481.79	503.43	174.40	379.13
Pong	426.72	384.05	396.48	151.67	396.83	157.28	42.62	258.39
Tehri	829.79	740.04	767.00	180.91	758.60	110.00	46.03	201.00
Kotesshwar	612.50	598.50	610.53	4.95	610.86	4.95	201.00	201.60
Chamera-I	760.00	748.75	757.22	0.00	0.00	0.00	133.00	169.06
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	504.53	2.20	497.34	4.44	86.45	129.46

* 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	-202	0	0	0	0	0	-2.27	-0.44	-2.71
Delhi	-484	-282	0	-245	24	0	-7.17	-0.99	-8.16
Haryana	-205	140	0	-137	351	0	-3.83	7.67	3.83
HP	308	-4	0	10	-205	0	5.02	0.16	5.18
J&K	174	198	0	174	109	0	4.18	4.70	8.88
CHD	0	-20	0	0	-25	0	0.00	-0.19	-0.19
Rajasthan	27	411	0	27	386	0	0.62	6.59	7.20
UP	131	-100	0	153	-100	0	1.99	-2.40	-0.40
Uttarakhand	73	311	0	73	218	0	1.86	8.62	10.48
Total	-178	655	0	55	758	0	0.40	23.73	24.13

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-202	0	-253	0	0
Delhi	-194	-489	223	-284	0	0
Haryana	60	-206	393	-96	0	0
HP	308	10	235	-401	0	0
J&K	174	174	357	-14	0	0
CHD	0	0	20	-61	0	0
Rajasthan	34	5	809	-779	0	0
UP	190	-5	-100	-100	0	0
Uttarakhand	104	30	517	187	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	1.74%
ER	10.76%
Simultaneous	2.78%

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

WR	12.15%
ER	21.88%
Simultaneous	27.78%

(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	4	32
Haryana	0	10
Rajasthan	5	40
Delhi	4	39
UP	3	23
Uttarakhand	2	19
HP	3	32
J & K	1	14
Chandigarh	4	33

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 23.03.2017 :

XVI. Synchronisation of new generating units :

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

Following bays at HVDC Kurukshetra first time charged : D07(2118Hrs), D06(2123Hrs), D01(2131Hrs), D03(2132Hrs), D04(2137Hrs), D05(2138Hrs), D09(2144Hrs), D10(2144Hrs), D11(2151Hrs) of 23.03.17

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 : 23.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER