

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 31.03.2017

Date of Reporting : 01.04.2017



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
41915	478	42393	49.94	36712	381	37093	50.02	959.85	10.92

* 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	59.82	2.65	0.32	62.78	64.56	64.98	0.42	127.77	0.00
Haryana	26.01	0.50	0.00	26.50	96.08	96.08	0.00	122.58	0.00
Rajasthan	98.50	0.84	20.38	119.73	62.59	64.02	1.43	183.75	0.32
Delhi	20.23		0.00	20.23	65.24	65.03	-0.21	85.26	0.10
UP	206.40	6.29	0.00	212.68	118.08	119.47	1.39	332.16	0.01
Uttarakhand		8.83	0.00	14.89	20.80	21.02	0.22	35.91	0.00
HP		11.30	5.54	11.30	13.26	14.86	1.60	26.16	0.00
J & K		13.42	0.00	13.42	26.27	28.53	2.26	41.95	10.49
Chandigarh				0.00	4.45	4.32	-0.13	4.32	0.00
Total	410.96	43.83	26.24	481.54	471.33	478.31	6.98	959.85	10.92

* 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	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	5794	0	-47	-352	4417	0	-26	-151	6215	20:00	0
Haryana	5856	0	0	136	3816	0	0	-238	6492	20:00	0
Rajasthan	6812	0	47	292	7720	0	178	385	8418	8:00	0
Delhi	3951	11	-69	-91	2985	6	92	-458	4051	20:00	2
UP	14718	10	146	1106	13964	0	162	-12	16110	21:00	0
Uttarakhand	1718	0	74	245	1320	0	67	253	1802	20:00	0
HP	1027	0	35	-739	862	0	79	132	1357	8:00	0
J&K	1827	457	68	-234	1499	375	96	-93	2633	24:00	658
Chandigarh	212	0	-21	-10	129	0	2	0	214	12:00	0
Total	41915	478	232	353	36712	381	650	-183	45660	20:00	468

* STOA 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 (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	1624	1775	1736	39.12	1630	38.96	0.15	
Rihand I STPS (2*500)	1000	923	975	1004	21.67	903	22.08	-0.41	
Rihand II STPS (2*500)	1000	951	978	998	22.31	930	22.44	-0.13	
Rihand III STPS (2*500)	1000	896	897	1013	20.57	857	20.87	-0.29	
Dadri I STPS (4*210)	840	815	619	478	11.58	482	12.32	-0.74	
Dadri II STPS (2*490)	980	490	469	372	9.17	382	9.85	-0.68	
Unchahar I TPS (2*210)	420	407	347	397	7.48	312	8.13	-0.65	
Unchahar II TPS (2*210)	420	405	349	365	7.54	314	7.80	-0.26	
Unchahar III TPS (1*210)	210	203	198	152	3.65	152	3.80	-0.15	
ISTPP (Jhajjar) (3*500)	1500	1440	897	651	18.28	762	18.56	-0.29	
Dadri GPS (4*130.19+2*154.51)	830	381	358	303	7.35	306	7.48	-0.13	
Anta GPS (3*88.71+1*153.2)	419	256	0	0	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	643	0	0	0.00	0	0.00	0.00	
Dadri Solar(5)	5	1	0	0	0.00	0	0.03	-0.03	
Unchahar Solar(10)	10	2	0	0	0.00	0	0.05	-0.05	
Singrauli Solar(15)	15	2	0	0	0.00	0	0.05	-0.05	
KHEP(4*200)	800	872	870	655	5.01	209	5.00	0.00	
Sub Total (A)	12112	10311	8732	8124	174	7238	177	-3.70	
B. NPC									
NAPS (2*220)	440	392	428	438	9.42	393	9.41	0.01	
RAPS- B (2*220)	440	363	406	414	8.74	364	8.71	0.02	
RAPS- C (2*220)	440	210	228	232	4.83	201	5.04	-0.21	
Sub Total (B)	1320	965	1062	1064	22.99	958	23.16	-0.17	
C. NHPC									
Chamera I HPS (3*180)	540	541	550	0	6.74	281	6.50	0.24	
Chamera II HPS (3*100)	300	301	310	0	4.32	180	4.00	0.32	
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00	
Bairasuli HPS(3*60)	180	179	185	152	4.16	173	3.98	0.18	
Salal-HPS (6*115)	690	405	521	305	10.59	441	9.72	0.87	
Tanakpur-HPS (3*31.4)	94	22	39	30	0.67	28	0.53	0.13	
Uri-I HPS (4*120)	480	463	480	480	11.42	476	11.10	0.32	
Uri-II HPS (4*60)	240	237	241	241	5.72	239	5.69	0.03	
Dhauliganga-HPS (4*70)	280	280	281	0	2.00	83	1.93	0.08	
Dulhasti-HPS (3*130)	390	387	392	0	5.49	229	5.30	0.19	
Sewa-II HPS (3*40)	120	124	135	135	3.20	133	2.98	0.22	
Parbati 3 (4*130)	520	260	263	0	1.00	42	0.98	0.02	
Sub Total (C)	4065	3199	3397	1344	55	2304	53	2.59	
D.SJVNL									
NJPC (6*250)	1500	1605	1617	0	11.45	477	11.46	-0.02	
Rampur HEP (6*88.67)	412	375	375	0	3.21	134	3.05	0.17	
Sub Total (D)	1912	1980	1992	0	14.66	611	14.51	0.15	
E. THDC									
Tehri HPS (4*250)	1000	510	505	0	6.74	281	6.80	-0.06	
Koteshwar HPS (4*100)	400	125	302	90	3.04	127	3.00	0.04	
Sub Total (E)	1400	635	807	90	9.77	407	9.80	-0.03	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	348	664	311	8.40	350	8.36	0.04	
Dehar HPS (6*165)	990	334	660	165	8.20	342	8.02	0.18	
Pong HPS (6*66)	396	14	55	0	0.33	14	0.33	0.00	
Sub Total (F)	2765	696	1379	476	16.93	705	16.70	0.22	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	96	0	1.05	44	1.01	0.04	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	750	0	6.01	250	5.83	0.18	
Malana Stg-II HPS (2*50)	100	0	21	0	0.62	26	0.58	0.04	
Shree Cement TPS (2*150)	300	0	291	168	5.89	245	5.94	-0.05	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.25	11	0.26	-0.01	
Sub Total (G)	1662	0	1158	168	13.82	576	13.61	0.20	
H. Total Regional Entities (A-G)	25237	17786	18527	11285	307.19	12799	307.91	-0.72	

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	210	0	1.77	74
	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	248	251	5.06	211
	Goinawal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	1020	28.75	1198
	Talwandi Saboo (3*660)	1980	924	924	24.28	1012
	Thermal (Total)	6560	2702	2195	59.82	2492
	Total Hydro	1000	74	84	2.65	110
	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	2776	2279	62.78	2616
Haryana	Panipat TPS (2*210+2*250)	920	208	225	5.22	217
	DCRTPP (Yamuna nagar) (2*300)	600	447	441	11.29	470
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	0	383	5.35	223
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	380	0	4.15	173
	Thermal (Total)	4497	1035	1049	26.01	1084
	Total Hydro	62	26	25	0.50	21
	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	1061	1074	26.50	1104
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	465	455	11.12	463
	suratgarh TPS (6*250)	1500	181	182	4.45	186
	Chabra TPS (4*250)	1000	736	571	17.42	726
	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	172	177	4.49	187
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.28	178
	Barsingar (NLC) (2*125)	250	210	214	4.97	207
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	461	458	14.88	620
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	418	414	10.05	419
	Kawai(Adani) (2*660)	1320	988	873	26.84	1119
	Thermal (Total)	8876	3825	3538	98.50	4104
	Total Hydro	550	25	31	0.84	35
	Wind power	4017	282	1441	19.61	817
	Biomass	99	32	32	0.77	32
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	314	1473	20.38	849
	Total Rajasthan	14837	4164	5042	119.73	4989
UP	Anpara TPS (3*210+2*500)	1630	1392	1403	33.27	1386
	Obra TPS (2*50+2*94+5*200)	1194	509	507	11.98	499
	Paricha TPS (2*110+2*220+2*250)	1160	901	805	18.79	783
	Panki TPS (2*105)	210	153	149	3.34	139
	Harduaqanj TPS (1*60+1*105+2*250)	665	327	307	6.77	282
	Tanda TPS (NTPC) (4*110)	440	360	395	8.64	360
	Roza TPS (IPP) (4*300)	1200	837	819	17.70	738
	Anpara-C (IPP) (2*600)	1200	1080	1074	25.52	1063
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	346	198	5.06	211
	Anpara-D(2*500)	1000	645	870	19.13	797
	Lalitpur TPS(3*660)	1980	1187	1174	26.03	1085
	Bara(2*660)	1320	584	542	12.18	507
	Thermal (Total)	12449	8321	8243	188.40	7850
	Vishnuparyag HPS (IPP)(4*110)	440	110	103	2.40	100
	Alakanada(4*82.5)	330	84	84	1.54	64
	Other Hydro	527	203	158	2.34	98
	Cogeneration	981	750	750	18.00	750
	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	9468	9338	212.68	8862	
Uttarakhand	Other Hydro	1250	381	241	8.83	368
	Total Gas	225	271	192	5.68	237
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.37	15
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.37	15
Total Uttarakhand	1802	652	433	14.89	620	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	148	146	3.30	137
	Pragati Gas Turbine (2x104+ 1x122)	330	152	150	3.61	150
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	500	505	12.01	500
	Badarpur TPS (NTPC) (3*95+2*210)	705	160	0	1.33	56
	Thermal (Total)	2917	960	801	20.23	843
	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	960	801	20.23	843	
HP	Baspa HPS (IPP) (3*100)	300	27	0	0.97	40
	Malana HPS (IPP) (2*43)	86	0	0	0.58	24
	Other Hydro (>25MW)	372	127	150	4.21	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	230	237	5.54	231
	Renewable(Total)	486	230	237	5.54	231
	Total HP	1244	384	388	11.30	471
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	440	442	10.56	440
	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	576	562	13	559	

Total State Control Area Generation	50078	20041	19917	481.54	20064
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6843	7171	181.01	7542
Total Regional Availability(Gross)	75315	45411	38373	969.73	40405

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9312	2565	109.34	4556
State Control Area Hydro	7163	2134	1868	43.83	2078
Total Regional Hydro	19397	11446	4432	153.17	6634

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.00	0
State Control Area Renewable	7356	544	1710	26.61	1109
Total Regional Renewable	7386	544	1710	26.61	1109

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)	-500	-500	0	500	0.00	11.12	-11.12
765 KV Gwalior-Agra (D/C)	2190	2216	2854	0	56.76	0.00	56.76
400 KV Zerda-Kankroli	-159	-244	0	269	0.00	5.11	-5.11
400 KV Zerda-Bhimnal	-125	-249	3	263	0.00	4.09	-4.09
220 KV Auraiya-Malanpur	-3	-12	0	25	0.12	0.00	0.12
220 KV Badod-Kota/Morak	12	24	113	24	1.00	0.00	1.00
Mundra-Mohinderghar(HVDC Bipole)	1702	1503	1706	0.00	38.17	0.00	38.17
400 KV RAPPCC-Sujalpur	286	180	378	0	6.20	0.00	6.20
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	934	1364	1487	0	29.43	0.00	29.43
+/- 800 kV HVDC Champa-Kurushetra	1000	1000	1500	0	21.60	0.00	21.60
Sub Total WR	5337	5282			153.27	20.32	132.95
400 kV Sasaram - Varanasi	159	143	159	0	3.52	0.00	3.52
400 kV Sasaram - Allahabad	0	0	0	0	0.00	0.00	0.00
400 KV MZP- GKP (D/C)	151	539	581	0	9.56	0.00	9.56
400 KV Patna-Balia(D/C) X 2	691	641	779	0	16.17	0.00	16.17
400 KV B'Sharif-Balia (D/C)	162	133	291	0	3.96	0.00	3.96
765 KV Gaya-Balia	231	249	250	0	5.46	0.00	5.46
765 KV Gaya-Varanasi (D/C)	210	252	472	0	7.04	0.00	7.04
220 KV Pusauli-Sahupuri	189	174	221	0	4.27	0.00	4.27
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-24	0	27	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-261	-113	0	310	0.00	2.72	-2.72
400 KV Barh -GKP (D/C)	414	392	460	0	9.17	0.00	9.17
400 kV B'Sharif - Varanasi (D/C)	86	3	36	112	0.28	0.00	0.28
Sub Total ER	2006	2389			59.42	3.25	56.17
+/- 800 KV HVDC BiswanathChariali-Agra	-500	-500	150	500.00	0.00	8.11	-8.11
Sub Total NER	-500	-500			0.00	8.11	-8.11
Total IR Exch	6843	7171			212.69	31.68	181.01

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
41.70	0.66	42.35	-2.25	-0.16	-4.78	3.20	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
35.32	147.58	182.90	48.06	132.95	181.01	12.73	-14.62	-1.89

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	-37	-27	0	37	0	1	-0.76

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	1.28	8.63	43.49	68.43	18.52	4.93	0.16	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)	
50.22	13.02	49.71	21.05	50.00	0.050	0.071	50.10	49.78	31.57

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	17:59	399	19:40	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	13:01	389	19:40	0.0	0.1	0.0	0.0	0.0
Bareilly(PG)400kV	400	415	3:22	395	19:40	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	3:08	397	19:41	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	3:04	404	19:13	0.0	0.0	12.7	0.0	12.7
Ballabgarh	400	425	3:15	402	19:19	0.0	0.0	12.5	0.0	12.5
Bawana	400	426	3:15	403	19:14	0.0	0.0	14.1	0.0	14.1
Bassi	400	424	4:02	404	19:15	0.0	0.0	10.5	0.0	10.5
Hissar	400	424	3:15	401	19:13	0.0	0.0	5.5	0.0	5.5
Moga	400	423	3:15	402	19:15	0.0	0.0	5.3	0.0	5.3
Abdullapur	400	429	3:14	404	19:14	0.0	0.0	17.1	0.0	17.1
Nalagarh	400	432	3:15	407	19:13	0.0	0.0	20.8	2.3	20.8
Kishenpur	400	424	2:50	401	19:18	0.0	0.0	9.2	0.0	9.2
Wagoora	400	410	3:15	382	6:51	0.0	23.0	0.0	0.0	0.0
Amritsar	400	429	3:22	403	19:18	0.0	0.0	17.9	0.0	17.9
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	413	0:00	413	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	3:21	396	19:14	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	776	3:15	740	19:40	0.0	0.2	0.0	0.0	0.0
Balia	765	784	13:05	739	19:41	0.0	0.7	0.0	0.0	0.0

Moga	765	802	3:15	770	9:42	0.0	0.0	0.8	0.0	0.8
Agra	765	792	3:15	760	19:14	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	3:04	773	19:40	0.0	0.0	13.9	0.0	13.9
Unnao	765	769	13:05	740	19:38	0.0	0.6	0.0	0.0	0.0
Lucknow	765	784	13:02	745	19:41	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	3:15	769	9:45	0.0	0.0	9.6	0.0	9.6
Jhatikara	765	808	3:15	769	19:40	0.0	0.0	11.0	0.0	11.0
Bareilly 765 kV	765	789	3:15	753	19:40	0.0	0.0	0.0	0.0	0.0
Anta	765	797	3:09	778	9:25	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	464.38	186.89	480.31	468.02	288.75	280.48
Pong	426.72	384.05	396.66	151.67	396.22	146.09	74.47	25.63
Tehri	829.79	740.04	762.70	142.00	753.90	76.00	54.97	207.00
Koteshwar	612.50	598.50	611.20	5.20	610.86	4.95	207.00	199.98
Chamera-I	760.00	748.75	752.67	0.00	0.00	0.00	229.24	182.62
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	507.26	0.93	496.44	0.00	295.30	34.50

* 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	-151	0	0	0	-352	0	-1.30	-2.20	-3.49
Delhi	-346	-112	0	-345	254	0	-5.47	3.16	-2.31
Haryana	-288	50	0	-119	256	0	-4.00	3.71	-0.30
HP	162	-30	0	10	-749	0	2.47	-4.72	-2.25
J&K	158	-252	0	158	-392	0	3.80	-6.53	-2.73
CHD	0	0	0	0	-10	0	0.00	0.28	0.28
Rajasthan	28	357	0	27	265	0	0.58	7.32	7.90
UP	88	-100	0	38	1068	0	0.19	0.80	0.99
Uttarakhand	170	82	0	0	245	0	2.19	4.25	6.45
Total	-179	-5	0	-230	583	0	-1.54	6.07	4.53

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-151	0	-755	0	0
Delhi	-123	-346	408	-188	0	0
Haryana	-118	-288	352	-355	0	0
HP	225	10	74	-865	0	0
J&K	158	158	-140	-514	0	0
CHD	0	0	59	-25	0	0
Rajasthan	34	16	357	-121	0	0
UP	92	-74	1068	-100	0	0
Uttarakhand	202	0	316	54	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	0.00%
ER	0.00%
Simultaneous	0.00%

(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	0	11
Haryana	0	11
Rajasthan	1	23
Delhi	1	13
UP	1	23
Uttarakhand	1	18
HP	3	28
J & K	3	22
Chandigarh	5	36

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 31.03.2017 :

XVI. Synchronisation of new generating units :

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

FIRST TIME CHARGING :

1. 330 MVAR, 765 Kv Bus reactor first time charged on 15:41 Hrs at 765 Kv Varanasi
2. Unit No #6 500 MW first time synchronised on 1458 Hrs. at Unchahar
3. Charging attempt for 765 kV Lalipur - Fatehabad taken at 2154 Hrs, but the line did not hold.

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 : 31.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER