

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 30.03.2017

Date of Reporting : 31.03.2017



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
41418	892	42309	49.93	37162	397	37558	49.99	945.06	10.99

* 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	58.81	2.36	0.28	61.45	61.68	62.88	1.19	124.33	0.00
Haryana	24.39	0.56	0.00	24.95	100.10	100.09	0.00	125.04	0.00
Rajasthan	99.79	1.14	16.30	117.23	66.02	68.10	2.07	185.32	0.32
Delhi	18.92		0.00	18.92	63.93	64.29	0.37	83.21	0.00
UP	200.14	6.43	0.00	206.56	113.46	113.99	0.54	320.55	0.42
Uttarakhand		8.86	0.00	12.01	22.97	23.62	0.65	35.63	0.00
HP		10.76	5.16	10.76	13.41	15.13	1.72	25.89	0.00
J & K		15.98	0.00	15.98	25.58	25.00	-0.58	40.98	10.25
Chandigarh				0.00	4.27	4.11	-0.16	4.11	0.00
Total	402.05	46.09	21.73	467.86	471.40	477.20	5.80	945.06	10.99

* 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	5325	0	77	-503	4502	0	-25	-151	6054	12:00	0
Haryana	6217	0	0	132	3986	0	0	139	6413	20:00	0
Rajasthan	6929	0	44	342	7918	0	129	432	8663	7:00	0
Delhi	3911	0	67	-69	2895	0	115	-495	4033	18:00	0
UP	14244	420	237	485	13907	0	197	-3	15303	20:00	0
Uttarakhand	1666	0	149	288	1399	0	106	204	1755	20:00	0
HP	1029	0	-40	-415	848	0	81	131	1317	8:00	0
J&K	1887	472	281	110	1587	397	-70	-18	1983	7:00	496
Chandigarh	210	0	-9	-10	120	0	6	0	210	19:00	0
Total	41418	892	805	360	37162	397	-527	239	44528	20:00	481

* 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	1585	1580	1737	38.34	1598	37.92	0.42	
Rihand I STPS (2*500)	1000	923	990	973	21.16	882	21.28	-0.12	
Rihand II STPS (2*500)	1000	951	1009	1029	21.90	913	21.93	-0.03	
Rihand III STPS (2*500)	1000	890	601	1021	19.90	829	20.44	-0.54	
Dadri I STPS (4*210)	840	815	595	480	11.87	494	12.71	-0.85	
Dadri II STPS (2*490)	980	490	457	356	8.74	364	9.33	-0.60	
Unchahar I TPS (2*210)	420	407	342	407	7.96	331	8.33	-0.38	
Unchahar II TPS (2*210)	420	405	292	300	7.34	306	7.78	-0.44	
Unchahar III TPS (1*210)	210	203	165	143	3.68	154	3.88	-0.20	
ISTPP (Jhajjar) (3*500)	1500	1440	953	614	19.21	801	19.60	-0.38	
Dadri GPS (4*130.19+2*154.51)	830	383	324	273	7.47	311	7.57	-0.10	
Anta GPS (3*88.71+1*153.2)	419	255	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	0.04	-0.04	
KHEP(4*200)	800	872	872	655	4.99	208	5.00	-0.01	
Sub Total (A)	12112	10266	8180	7988	173	7190	176	-3.34	
B. NPC									
NAPS (2*220)	440	392	431	438	9.44	393	9.41	0.03	
RAPS- B (2*220)	440	363	402	414	8.79	366	8.71	0.08	
RAPS- C (2*220)	440	210	228	234	4.83	201	5.04	-0.21	
Sub Total (B)	1320	965	1061	1086	23.07	961	23.16	-0.09	
C. NHPC									
Chamera I HPS (3*180)	540	541	553	184	5.68	237	5.50	0.18	
Chamera II HPS (3*100)	300	301	310	70	4.04	169	3.80	0.25	
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00	
Bairasuli HPS(3*60)	180	179	186	130	3.88	162	3.79	0.09	
Salal-HPS (6*115)	690	470	562	327	12.41	517	11.29	1.12	
Tanakpur-HPS (3*31.4)	94	24	30	38	0.68	29	0.58	0.10	
Uri-I HPS (4*120)	480	475	480	478	11.63	485	11.40	0.23	
Uri-II HPS (4*60)	240	237	241	240	5.74	239	5.69	0.05	
Dhauliganga-HPS (4*70)	280	280	283	0	1.92	80	1.89	0.03	
Dulhasti-HPS (3*130)	390	387	402	0	6.25	261	6.00	0.25	
Sewa-II HPS (3*40)	120	124	135	135	3.22	134	2.98	0.24	
Parbati 3 (4*130)	520	260	263	0	0.80	33	0.78	0.02	
Sub Total (C)	4065	3279	3445	1602	56	2344	54	2.57	
D.SJVNL									
NJPC (6*250)	1500	1370	1367	0	10.04	418	10.00	0.04	
Rampur HEP (6*88.67)	412	375	372	0	2.82	118	2.77	0.06	
Sub Total (D)	1912	1745	1739	0	12.86	536	12.77	0.09	
E. THDC									
Tehri HPS (4*250)	1000	510	510	0	6.75	281	6.80	-0.05	
Koteshwar HPS (4*100)	400	125	304	92	3.07	128	3.00	0.07	
Sub Total (E)	1400	635	814	92	9.81	409	9.80	0.01	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	349	658	309	8.44	352	8.37	0.07	
Dehar HPS (6*165)	990	321	660	165	7.88	328	7.70	0.19	
Pong HPS (6*66)	396	14	55	0	0.34	14	0.33	0.01	
Sub Total (F)	2765	683	1373	474	16.67	695	16.40	0.27	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.76	32	0.67	0.09	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	692	0	5.53	230	5.45	0.08	
Malana Stg-II HPS (2*50)	100	0	0	0	0.47	20	0.44	0.03	
Shree Cement TPS (2*150)	300	0	289	170	5.94	247	5.91	0.02	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.26	11	0.26	0.00	
Sub Total (G)	1662	0	981	170	12.96	540	12.74	0.22	
H. Total Regional Entities (A-G)	25237	17572	17593	11412	304.18	12674	304.44	-0.27	

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	-0.15	-6
	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	253	204	5.05	210
	Goinawal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	1020	27.89	1162
	Talwandi Saboo (3*660)	1980	924	924	26.05	1085
	Thermal (Total)	6560	2497	2148	58.81	2450
	Total Hydro	1000	192	84	2.36	99
	Wind Power	0	0	0	0.00	0
	Biomass	288	10	10	0.25	10
	Solar	560	0	0	0.03	1
	Renewable(Total)	848	10	10	0.28	12
	Total Punjab	8408	2699	2242	61.45	2560
Haryana	Panipat TPS (2*210+2*250)	920	238	0	1.76	73
	DCRTPP (Yamuna nagar) (2*300)	600	532	442	11.74	489
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	495	373	10.90	454
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar (CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4497	1265	815	24.39	1016
	Total Hydro	62	26	27	0.56	23
	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	1291	842	24.95	1040
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	466	462	11.89	495
	suratgarh TPS (6*250)	1500	185	183	4.86	203
	Chabra TPS (4*250)	1000	535	552	15.79	658
	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	171	181	4.49	187
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.26	178
	Barsingar (NLC) (2*125)	250	214	214	4.79	199
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	397	393	15.05	627
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	412	11.61	484
	Kawai(Adani) (2*660)	1320	882	1029	27.06	1127
	Thermal (Total)	8876	3453	3620	99.79	4158
	Total Hydro	550	31	107	1.14	47
	Wind power	4017	351	1360	15.66	653
	Biomass	99	26	26	0.63	26
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	377	1386	16.30	679
	Total Rajasthan	14837	3861	5113	117.23	4884
	UP	Anpara TPS (3*210+2*500)	1630	1359	1395	32.07
Obra TPS (2*50+2*94+5*200)		1194	508	459	11.85	494
Paricha TPS (2*110+2*220+2*250)		1160	756	108	17.49	729
Panki TPS (2*105)		210	149	108	3.09	129
Harduaqanj TPS (1*60+1*105+2*250)		665	329	286	7.71	321
Tanda TPS (NTPC) (4*110)		440	397	392	8.65	360
Roza TPS (IPP) (4*300)		1200	833	828	17.69	737
Anpara-C (IPP) (2*600)		1200	1081	1080	24.76	1032
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	190	0	1.40	58
Anpara-D(2*500)		1000	780	839	19.45	810
Lalitpur TPS(3*660)		1980	1186	1186	24.91	1038
Bara(2*660)		1320	585	583	13.08	545
Thermal (Total)		12449	8153	7264	182.14	7589
Vishnuparyag HPS (IPP)(4*110)		440	93	110	2.33	97
Alaknada(4*82.5)		330	85	84	1.55	65
Other Hydro		527	15	178	2.54	106
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	9096	8386	206.56	8607
Uttarakhand		Other Hydro	1250	364	282	8.86
	Total Gas	225	146	95	2.82	117
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.33	14
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.33	14
	Total Uttarakhand	1802	510	377	12.01	500
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	125	132	3.29	137
	Pragati Gas Turbine (2x104+ 1x122)	330	144	151	3.62	151
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	499	502	12.01	500
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	769	785	18.92	788
	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	769	785	18.92	788
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.26	53
	Malana HPS (IPP) (2*43)	86	30	0	0.47	20
	Other Hydro (>25MW)	372	154	118	3.88	162
	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	200	225	5.16	215
	Renewable(Total)	486	200	225	5.16	215
	Total HP	1244	384	343	10.76	449
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	447	588	13.12
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	583	708	16	666

Total State Control Area Generation	50078	19193	18796	467.86	19494
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7104.51	5583.61	175.86	7327
Total Regional Availability(Gross)	75315	43890	35792	947.90	39496

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8934	2823	107.35	4473
State Control Area Hydro	7163	1919	2018	46.09	2052
Total Regional Hydro	19397	10853	4841	153.44	6525

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.00	0
State Control Area Renewable	7356	587	1621	22.06	919
Total Regional Renewable	7386	587	1621	22.06	919

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	12.22	-12.22
765 KV Gwalior-Agra (D/C)	2368	2395	2735	0	55.46	0.00	55.46
400 KV Zerda-Kankroli	-100	-180	0	257	0.00	3.98	-3.98
400 KV Zerda-Bhimnal	-39	-159	0	232	0.00	2.85	-2.85
220 KV Auraiya-Malanpur	12	-12	0	39	0.12	0.00	0.12
220 KV Badod-Kota/Morak	58	51	113	20	1.28	0.00	1.28
Mundra-Mohinderghar(HVDC Bipole)	1499	1199	1504	0.00	33.33	0.00	33.33
400 KV RAPP-Subalpur	390	260	-413	0	7.19	0.00	7.19
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1195	1312	1467	0	30.10	0.00	30.10
+/- 800 kV HVDC Champa-Kurushetra	1000	0	1500	0	19.01	0.00	19.01
Sub Total WR	5883	4366			146.47	19.05	127.42
400 kV Sasaram - Varanasi	-125	-278	279	0	5.10	0.00	5.10
400 kV Sasaram - Allahabad	-15	-112	133	38	1.53	0.00	1.53
400 KV MZP- GKP (D/C)	394	593	614	0	10.04	0.00	10.04
400 KV Patna-Balia(D/C) X 2	537	720	849	0	16.57	0.00	16.57
400 KV B'Sharif-Balia (D/C)	144	165	225	0	3.56	0.00	3.56
765 KV Gaya-Balia	279	219	279	0	5.47	0.00	5.47
765 KV Gaya-Varanasi (D/C)	341	357	494	0	9.34	0.00	9.34
220 KV Pusauli-Sahupuri	-197	-175	200	0	3.82	0.00	3.82
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-23	-24	0	30	0.00	9.44	-9.44
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-42	-149	76	156	0.00	2.16	-2.16
400 KV Barh -GKP (D/C)	414	410	460	0	9.51	0.00	9.51
400 kV B'Sharif - Varanasi (D/C)	15	-8	112	58	0.29	0.00	0.29
Sub Total ER	1722	1718			65.69	11.60	54.09
+/- 800 KV HVDC BiswanathChariali-Agra	-500	-500	450	500.00	0.00	5.66	-5.66
Sub Total NER	-500	-500			0.00	5.66	-5.66
Total IR Exch	7105	5584			212.16	36.30	175.86

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
42.56	0.53	43.10	-2.09	-0.16	-2.98	4.42	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
38.03	149.37	187.40	48.44	127.42	175.86	10.41	-21.95	-11.54

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	-30	-23	38	0	0	1	-0.73

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	0.53	4.68	48.31	73.30	18.16	4.69	0.02	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)		
50.20	18.01	49.74	21.01	50.00	0.039	0.062	50.11	49.84	26.70

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	408	13:10	401	19:20	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	14:01	394	18:54	0.0	0.0	1.1	0.0	1.1
Bareilly(PG)400kV	400	420	14:00	395	19:28	0.0	0.0	0.0	0.0	0.0
Kanpur	400	421	14:01	399	19:21	0.0	0.0	0.2	0.0	0.2
Dadri	400	421	2:02	403	19:18	0.0	0.0	4.8	0.0	4.8
Ballabgarh	400	423	2:20	402	19:18	0.0	0.0	10.5	0.0	10.5
Bawana	400	422	1:34	403	19:37	0.0	0.0	3.7	0.0	3.7
Bassi	400	423	13:02	401	23:10	0.0	0.0	2.6	0.0	2.6
Hissar	400	421	2:27	402	19:17	0.0	0.0	0.6	0.0	0.6
Moga	400	421	2:57	404	10:05	0.0	0.0	1.8	0.0	1.8
Abdullapur	400	426	1:21	405	12:07	0.0	0.0	12.7	0.0	12.7
Nalagarh	400	429	1:17	405	11:08	0.0	0.0	21.4	0.0	21.4
Kishenpur	400	420	3:13	403	10:04	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	18:01	379	6:51	0.6	36.0	0.0	0.0	0.6
Amritsar	400	424	1:17	403	10:23	0.0	0.0	15.9	0.0	15.9
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	413	21:20	407	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	417	2:20	395	19:38	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	789	14:01	743	19:19	0.0	0.0	0.0	0.0	0.0
Balia	765	806	14:02	753	19:20	0.0	0.0	2.7	0.0	2.7

Moga	765	804	2:57	773	10:05	0.0	0.0	8.5	0.0	8.5
Agra	765	796	13:02	758	19:20	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	1:30	774	19:19	0.0	0.0	4.2	0.0	4.2
Unnao	765	786	14:00	746	19:38	0.0	0.0	0.0	0.0	0.0
Lucknow	765	802	14:00	751	19:40	0.0	0.0	0.7	0.0	0.7
Meerut	765	808	2:57	771	19:21	0.0	0.0	15.2	0.0	15.2
Jhatikara	765	804	2:19	769	19:21	0.0	0.0	10.2	0.0	10.2
Bareilly 765 kV	765	802	14:01	753	19:40	0.0	0.0	0.4	0.0	0.4
Anta	765	799	13:03	775	19:20	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	464.37	186.89	480.50	468.02	241.57	289.14
Pong	426.72	384.05	396.66	151.67	396.39	146.09	74.47	25.63
Tehri	829.79	740.04	763.15	147.50	754.45	78.50	55.52	206.00
Koteshwar	612.50	598.50	610.97	4.95	610.91	4.95	206.00	202.04
Chamera-I	760.00	748.75	752.19	0.00	0.00	0.00	183.98	154.08
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	507.03	0.69	496.27	1.09	266.45	34.47

* 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	-503	0	-1.97	-3.31	-5.28
Delhi	-346	-148	0	-320	252	0	-5.24	2.11	-3.13
Haryana	-187	326	0	-136	267	0	-4.68	5.56	0.87
HP	162	-31	0	10	-425	0	3.03	-5.04	-2.01
J&K	158	-176	0	175	-65	0	4.01	-2.08	1.94
CHD	0	0	0	0	-10	0	0.00	-0.02	-0.02
Rajasthan	24	408	0	31	311	0	0.59	8.55	9.14
UP	97	-100	0	33	451	0	0.23	-0.97	-0.74
Uttarakhand	73	131	0	0	288	0	2.64	3.95	6.59
Total	-170	409	0	-206	565	0	-1.38	8.74	7.36

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-176	0	-858	0	0
Delhi	-86	-346	349	-239	0	0
Haryana	-118	-437	388	-324	0	0
HP	274	-12	-30	-963	0	0
J&K	175	158	60	-352	0	0
CHD	0	0	35	-30	0	0
Rajasthan	34	16	408	300	0	0
UP	98	-74	873	-100	0	0
Uttarakhand	365	0	365	29	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	1	14
Haryana	2	13
Rajasthan	1	14
Delhi	2	21
UP	0	10
Uttarakhand	2	27
HP	3	24
J & K	3	23
Chandigarh	4	40

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 30.03.2017 :

XVI. Synchronisation of new generating units :

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

FIRST TIME CHARGING :

1. 765 KV Fatehabad-Lalipur ckt-1 charged at 2139 Hrs at Fatehabad end but did not hold.
2. 400 KV Amritsar Malerkotla ckt-1 charged from Malerkotla end at 2251 Hrs and synchronised at 2314 hrs at Amritsar end.
3. 400 KV Amritsar Malerkotla ckt-2 charged from Malerkotla end at 2339 Hrs, but did not hold (B-N Fault 16.5 Km from Malerkotla end Z1).
4. 330 MVAR, 765KV Bus Reactor at 765KV Varansi S/S : Charging attempt taken at 2302 Hrs, but 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 : 30.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER