

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 13.04.2017

Date of Reporting : 14.04.2017



I. Regional Availability/Demand:

Evening Peak (20:00 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
45004	873	45876	50.01	39240	403	39644	49.96	925.39	11.06

* 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	43.43	3.34	0.42	47.18	64.42	64.11	-0.31	111.30	0.00
Haryana	22.74	0.60	0.00	23.34	95.72	95.39	-0.33	118.73	0.17
Rajasthan	101.46	0.49	4.18	106.13	72.99	72.93	-0.05	179.06	0.59
Delhi	14.15		0.00	14.15	74.24	72.60	-1.63	86.75	0.12
UP	181.82	7.60	0.00	189.42	133.23	135.51	2.28	324.93	0.00
Uttarakhand		9.67	0.00	16.66	18.20	18.21	0.01	34.87	0.00
HP		12.80	5.06	12.80	10.78	12.29	1.50	25.09	0.00
J & K		19.81	0.00	19.81	22.93	20.91	-2.02	40.73	10.18
Chandigarh				0.00	3.96	3.94	-0.02	3.94	0.00
Total	363.59	54.31	9.66	429.50	496.47	495.90	-0.57	925.39	11.06

* 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 (20:00 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	5744	0	126	-101	4532	0	177	-101	5789	21:00	0
Haryana	6313	388	-8	222	5488	0	-61	315	6344	21:00	218
Rajasthan	8050	0	10	416	7560	0	-63	443	8305	23:00	472
Delhi	4004	0	-41	-312	3205	0	55	-396	4231	17:00	6
UP	15818	0	10	1648	14573	0	153	603	15818	20:00	0
Uttarakhand	1874	0	195	292	1331	0	3	226	1874	20:00	0
HP	1065	0	84	-1008	808	0	70	-89	1270	8:00	0
J&K	1941	485	108	-262	1613	403	3	-147	1941	20:00	485
Chandigarh	195	0	-8	-40	129	0	45	-40	195	20:00	0
Total	45004	873	475	856	39240	403	382	815	45004	20:00	873

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

Diversity is 1.02

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	1512	1264	1789	36.26	1511	35.72	0.54
Rihand I STPS (2*500)	1000	934	976	973	21.30	888	20.95	0.35
Rihand II STPS (2*500)	1000	476	513	519	11.23	468	10.81	0.43
Rihand III STPS (2*500)	1000	971	1010	1025	21.96	915	21.83	0.13
Dadri I STPS (4*210)	840	815	488	415	11.49	479	12.09	-0.59
Dadri II STPS (2*490)	980	980	752	667	17.53	730	18.11	-0.58
Unchahar I TPS (2*210)	420	405	355	440	7.74	323	7.99	-0.25
Unchahar II TPS (2*210)	420	405	299	433	7.48	312	7.78	-0.30
Unchahar III TPS (1*210)	210	203	164	220	3.80	158	3.88	-0.08
Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
ISTPP (Jhajjar) (3*500)	1500	1440	973	829	17.15	715	17.35	-0.20
Dadri GPS (4*130.19+2*154.51)	830	637	164	0	2.70	113	2.79	-0.09
Anta GPS (3*88.71+1*153.2)	419	378	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	639	146	140	3.34	139	3.42	-0.08
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	3	0	0	0.01	0	0.06	-0.05
KHEP(4*200)	800	872	608	0	5.48	228	5.00	0.48
Sub Total (A)	12772	10672	7712	7450	168	6981	168	-0.31
B. NPC								
NAPS (2*220)	440	400	428	435	9.42	392	9.60	-0.18
RAPS- B (2*220)	440	367	406	415	8.74	364	8.81	-0.06
RAPS- C (2*220)	440	210	228	234	4.83	201	5.04	-0.21
Sub Total (B)	1320	977	1062	1084	22.99	958	23.45	-0.46
C. NHPC								
Chamera I HPS (3*180)	540	535	552	0	11.40	475	11.00	0.40
Chamera II HPS (3*100)	300	301	306	101	6.81	284	6.63	0.19
Chamera III HPS (3*77)	231	231	234	155	4.75	198	4.59	0.16
Bairasuli HPS(3*60)	180	179	185	179	4.37	182	4.25	0.12
Satal-HPS (6*115)	690	510	554	545	13.18	549	12.23	0.95
Tanakpur-HPS (3*31.4)	94	23	30	31	0.69	29	0.54	0.15
Uri-I HPS (4*120)	480	464	480	478	11.36	473	11.14	0.21
Uri-II HPS (4*60)	240	237	242	239	5.71	238	5.69	0.02
Dhauliganga-HPS (4*70)	280	280	287	0	1.76	73	1.61	0.15
Dulhasti-HPS (3*130)	390	387	401	271	9.03	376	8.90	0.13
Sewa-II HPS (3*40)	120	126	131	132	3.13	130	3.02	0.10
Parbati 3 (4*130)	520	260	262	0	1.39	58	1.37	0.03
Sub Total (C)	4065	3533	3662	2131	74	3066	71	2.60
D.SJVNL								
NJPC (6*250)	1500	1605	1606	273	16.16	673	15.57	0.59
Rampur HEP (6*68.67)	412	343	442	0	4.17	174	3.92	0.25
Sub Total (D)	1912	1948	2048	273	20.33	847	19.48	0.85
E. THDC								
Tehri HPS (4*250)	1000	477	477	0	5.31	221	5.30	0.01
Koteshwar HPS (4*100)	400	104	207	90	2.58	107	2.50	0.08
Sub Total (E)	1400	581	684	90	7.89	329	7.80	0.09
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	275	279	295	6.80	283	6.60	0.20
Dehar HPS (6*165)	990	420	660	165	10.33	430	10.09	0.24
Pong HPS (6*66)	396	24	165	0	0.58	24	0.58	0.00
Sub Total (F)	2765	719	1104	460	17.71	738	17.27	0.44
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	150	85	1.77	74	1.63	0.13
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	795	150	8.90	371	8.61	0.28
Malana Stg-II HPS (2*50)	100	0	112	35	0.80	33	0.76	0.04
Shree Cement TPS (2*150)	300	0	139	90	2.72	113	2.60	0.11
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	1.01	-1.01
Sub Total (G)	1662	0	1196	360	14.18	591	14.62	-0.43
H. Total Regional Entities (A-G)	25897	18430	17467	11849	324.21	13509	321.44	2.77
I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MU)		
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	255	0	1.58	66		
	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	421	252	6.50	271		

	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	660	660	14.05	585
	Talwandi Saboo (3*660)	1980	980	980	21.32	888
	Thermal (Total)	6560	2316	1892	43.43	1809
	Total Hydro	1000	220	110	3.34	139
	Wind Power	0	0	0	0.00	0
	Biomass	288	14	14	0.34	14
	Solar	560	0	0	0.08	3
	Renewable(Total)	848	14	14	0.42	17
	Total Punjab	8408	2550	2016	47.18	1966
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	555	440	11.39	475
	Faridabad GPS (NTPC)(2*137.75+1*1156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	-0.14	-6
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	603	603	11.48	478
	Thermal (Total)	4497	1158	1043	22.74	947
	Total Hydro	62	21	25	0.60	25
	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	1179	1068	23.34	972
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	520	501	11.63	485
	suratgarh TPS (6*250)	1500	172	219	4.50	188
	Chabra TPS (4*250)	1000	1085	1179	26.66	1111
	Chabra TPS (1*660)	660	0	0	0.00	0
	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	180	182	4.66	194
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.28	178
	Barsingsar (NLC) (2*125)	250	225	225	5.33	222
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	810	830	18.40	766
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	445	559	11.56	482
	Kawai(Adani) (2*660)	1320	553	618	14.44	602
	Thermal (Total)	9536	4180	4503	101.46	4227
	Total Hydro	550	21	63	0.49	20
	Wind power	4017	261	205	6.83	285
	Biomass	99	19	19	0.45	19
	Solar	1295	0	0	-3.10	-129
	Renewable/Others (Total)	5411	280	224	4.18	174
	Total Rajasthan	15497	4481	4790	106.13	4422
UP	Anpara TPS (3*210+2*500)	1630	1371	1402	32.00	1333
	Obra TPS (2*50+2*94+5*200)	1194	664	662	15.10	629
	Paricha TPS (2*110+2*220+2*250)	1160	824	825	17.50	729
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	220	221	4.60	192
	Tanda TPS (NTPC) (4*110)	440	273	292	6.42	268
	Roza TPS (IPP) (4*300)	1200	824	842	16.90	704
	Anpara-C (IPP) (2*600)	1200	639	635	15.10	629
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	877	862	19.10	796
	Lalitpur TPS(3*660)	1980	1159	1185	25.70	1071
	Bara(2*660)	1320	576	769	15.00	625
	Thermal (Total)	12449	7427	7695	167.42	6976
	Vishnuparyag HPS (IPP)(4*110)	440	147	127	3.10	129
	Alakanada(4*82.5)	330	84	77	1.90	79
	Other Hydro	527	64	124	2.60	108
	Cogeneration	981	600	600	14.40	600
	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	8322	8623	189.42	7893
	Uttarakhand	Other Hydro	1250	473	319	9.67
Total Gas		225	271	278	6.39	266
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		20	0	0	0.61	25
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		327	0	0	0.61	25
Total Uttarakhand	1802	744	597	16.66	694	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	32	31	0.84	35
	Pragati Gas Turbine (2x104+ 1x122)	330	147	153	3.64	151
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	168	162	3.64	152
	Thermal (Total)	2917	597	596	14.15	590
	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	597	596	14.15	590	
HP	Baspa HPS (IPP) (3*100)	300	27	53	1.83	76
	Malana HPS (IPP) (2*43)	86	45	44	0.78	32
	Other Hydro (>25MW)	372	248	215	5.13	214
	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	234	219	5.06	211
	Renewable(Total)	486	234	219	5.06	211
	Total HP	1244	553	531	12.80	533
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	750	600	16.95	706
	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	886	720	20	826
Total State Control Area Generation	50738	19312	18941	429.50	17896
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		9196	8787	184.22	7676
Total Regional Availability(Gross)	76635	45976	39577	937.93	39080

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9162	3225	136.44	5685
State Control Area Hydro	7163	2740	2374	54.31	2554
Total Regional Hydro	19397	11903	5599	190.75	8240

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.08	3
State Control Area Renewable	7356	528	457	10.27	428
Total Regional Renewable	7386	528	457	10.34	431

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-200	-400	0	500	0.00	6.86	-6.86
765 KV Gwalior-Agra (D/C)	2688	2500	2688	0	48.28	0.00	48.28
400 KV Zerda-Kankroli	-65	-119	0	337	0.00	4.88	-4.88
400 KV Zerda-Bhinmal	-9	-76	5	295	0.00	3.16	-3.16
220 KV Auraiya-Malanpur	-30	-32	0	69	0.00	0.98	-0.98
220 KV Badod-Kota/Morak	-12	-16	54	56	0.00	0.19	-0.19
Mundra-Mohindergarh(HVDC Bipole)	2498	2499	2514	0	60.44	0.00	60.44
400 KV RAPP-C-Sujalpur	392	306	392	0	7.20	0.00	7.20
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1065	1258	1237	0	24.73	0.00	24.73
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	32.89	0	32.89
Sub Total WR	7827	7420			173.54	16.07	157.46
400 kV Sasaram - Varanasi	126	157	157	0	3.45	0.00	3.45
400 kV Sasaram - Allahabad	15	-18	15	18	0.00	0.09	-0.09
400 KV MZP- GKP (D/C)	141	132	207	0	1.45	0.00	1.45
400 KV Patna-Balia(D/C) X 2	559	561	703	0	14.28	0.00	14.28
400 KV B'Sharif-Balia (D/C)	48	65	100	0	0.69	0.00	0.69
765 KV Gaya-Balia	204	265	315	0	3.66	0.00	3.66
765 KV Gaya-Varanasi (D/C)	395	312	395	0	6.15	0.00	6.15
220 KV Pusaui-Sahupuri	228	202	238	0	4.57	0.00	4.57
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-26	-32	0	40	0.00	0.65	-0.65
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-310	-174	0	310	0.00	3.80	-3.80
400 KV Barh -GKP (D/C)	522	480	532	0	10.96	0.00	10.96
400 kV B'Sharif - Varanasi (D/C)	-33	-83	0	138	0.00	2.18	-2.18
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1869	1867			45.70	6.73	38.97
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	0	-500.00	0.00	12.21	-12.21
Sub Total NER	-500	-500			0.00	12.21	-12.21
Total IR Exch	9196	8787			219.23	35.01	184.22

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
45.87	0.79	46.66	-1.03	-1.36	-2.05	7.09	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
43.58	150.65	194.23	26.76	157.46	184.22	-16.82	6.81	-10.01

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-28	-26	0	30	0	1	-0.67

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	0.03	9.64	66.65	80.17	8.78	1.79	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	Index	(Hz)	(Hz)		
50.20	9.36	49.80	19.15	49.97	0.041	0.059	50.08	49.86	19.83

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	408	11:36	401	19:13	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	11:29	394	21:05	0.0	0.0	0.8	0.0	0.8
Bareilly(PG)400kV	400	418	11:35	383	16:11	0.0	0.5	0.0	0.0	0.0
Kanpur	400	416	11:33	395	19:16	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	5:01	397	19:14	0.1	0.1	0.0	0.0	0.1
Ballabgarh	400	418	5:02	396	19:16	0.0	0.0	0.0	0.0	0.0
Bawana	400	419	5:02	396	19:15	0.0	0.0	0.0	0.0	0.0
Bassi	400	418	13:06	400	19:18	0.0	0.0	0.0	0.0	0.0
Hissar	400	417	13:02	392	19:17	0.0	0.0	0.0	0.0	0.0
Moga	400	419	13:02	396	19:17	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	421	13:02	397	19:15	0.0	0.0	0.4	0.0	0.4
Nalagarh	400	425	3:47	403	19:15	0.0	0.0	10.8	0.0	10.8
Kishenpur	400	415	3:44	398	19:10	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	3:47	377	19:35	8.9	72.1	0.0	0.0	8.9
Amritsar	400	424	3:37	402	19:14	0.0	0.0	9.0	0.0	9.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	417	13:01	401	19:28	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	408	14:18	389	19:10	0.0	0.5	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum	Minimum	Voltage (in % of Time)	Voltage
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Station	Voltage Level (kV)	Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	% Deviat
Fatehpur	765	791	11:33	744	19:15	0.0	0.0	0.0	0.0	0.0
Balia	765	794	11:31	753	19:15	0.0	0.0	0.0	0.0	0.0
Moga	765	802	13:05	752	19:16	0.0	0.0	0.5	0.0	0.5
Agra	765	796	13:05	756	19:18	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	13:02	764	19:13	0.0	0.0	4.6	0.0	4.6
Unnao	765	766	13:17	732	19:15	0.0	27.8	0.0	0.0	0.0
Lucknow	765	803	11:34	747	19:50	0.0	0.0	0.9	0.0	0.9
Meerut	765	808	13:06	757	19:15	0.0	0.0	5.0	0.0	5.0
Jhatikara	765	803	13:05	759	19:18	0.0	0.0	1.1	0.0	1.1
Bareilly 765 kV	765	800	11:35	744	19:16	0.0	0.0	0.0	0.0	0.0
Anta	765	793	13:00	770	19:19	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	465.59	204.14	479.10	441.00	300.89	234.72
Pong	426.72	384.05	396.96	157.28	395.83	141.12	79.20	42.56
Tehri	829.79	740.04	757.70	103.43	747.75	37.98	86.60	170.00
Koteshwar	612.50	598.50	610.94	5.20	610.87	4.95	170.00	169.58
Chamera-I	760.00	748.75	753.52	0.00	0.00	0.00	289.94	309.30
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	511.85	0.69	496.10	2.22	173.68	27.05

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 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	0	0	-101	0	0	-2.42	0.74	-1.67
Delhi	-294	-102	0	-153	-159	0	-4.25	-1.26	-5.51
Haryana	33	282	0	33	189	0	-1.63	1.25	-0.38
HP	71	-161	0	70	-1078	0	1.33	-7.80	-6.47
J&K	-46	-101	0	-46	-216	0	-1.10	-2.31	-3.41
CHD	0	-40	0	0	-40	0	0.00	-0.51	-0.51
Rajasthan	23	420	0	26	390	0	0.60	9.54	10.14
UP	66	537	0	102	1546	0	1.65	9.57	11.22
Uttarakhand	219	7	0	245	47	0	5.93	0.36	6.29
Total	-28	843	0	177	679	0	0.11	9.59	9.70

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-101	298	0	0	0
Delhi	-102	-304	253	-400	0	0
Haryana	33	-169	289	-338	0	0
HP	77	-203	-71	-1212	0	0
J&K	-46	-46	-25	-316	0	0
CHD	0	0	0	-50	0	0
Rajasthan	34	17	452	-273	0	0
UP	102	19	1792	-56	0	0
Uttarakhand	284	216	132	-129	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	2	18
Haryana	0	11
Rajasthan	6	55
Delhi	6	64
UP	3	20
Uttarakhand	3	32
HP	1	21
J & K	4	34
Chandigarh	4	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 13.04.2017 :

XVI. Synchronisation of new generating units :

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

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 : 13.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER