

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 15.04.2017

Date of Reporting : 16.04.2017



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
45056	461	45517	50.02	41179	371	41550	49.96	942.96	10.02

* 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	56.12	3.11	0.31	59.54	61.11	60.96	-0.14	120.50	0.00
Haryana	26.72	0.62	0.00	27.34	94.35	94.12	-0.22	121.46	0.00
Rajasthan	97.43	0.55	18.23	116.21	69.10	71.84	2.74	188.06	0.00
Delhi	14.12		0.00	14.12	76.18	75.55	-0.63	89.67	0.16
UP	179.26	8.09	0.00	187.35	132.18	135.92	3.75	323.27	0.00
Uttarakhand		9.77	0.00	16.30	19.79	20.08	0.29	36.38	0.00
HP		14.60	5.48	14.60	8.53	8.16	-0.37	22.77	0.00
J & K		17.21	0.00	17.21	22.63	19.34	-3.29	36.54	9.85
Chandigarh				0.00	4.53	4.31	-0.21	4.31	0.00
Total	373.65	53.94	24.02	452.66	488.39	490.30	1.92	942.96	10.02

* 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 (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	5735	0	18	-101	5225	0	16	-101	6075	22:00	0
Haryana	6527	0	22	214	5741	0	-76	272	6714	22:00	0
Rajasthan	8128	0	113	338	7930	0	-49	434	8904	23:00	0
Delhi	3891	0	-184	-402	3632	0	43	-360	4246	17:00	0
UP	15861	0	203	1117	14770	0	258	978	15939	21:00	0
Uttarakhand	1917	0	87	219	1405	0	107	75	1917	20:00	0
HP	944	0	-25	-1114	853	0	63	-309	1120	8:00	0
J&K	1844	461	-101	-262	1484	371	-122	-197	1893	21:00	473
Chandigarh	209	0	-14	-20	140	0	-8	-10	209	20:00	0
Total	45056	461	118	-10	41179	371	232	782	45508	21:00	473

* 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
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1441	1772	1242	31.12	1297	33.53	-2.41
Rihand I STPS (2*500)	1000	930	891	996	19.93	830	20.03	-0.10
Rihand II STPS (2*500)	1000	479	515	518	10.44	435	10.38	0.06
Rihand III STPS (2*500)	1000	970	1010	1015	20.77	865	21.11	-0.34
Dadri I STPS (4*210)	840	815	524	472	11.39	475	12.28	-0.89
Dadri II STPS (2*490)	980	980	788	715	17.08	712	17.94	-0.85
Unchahar I TPS (2*210)	420	405	414	390	7.58	316	8.30	-0.72
Unchahar II TPS (2*210)	420	405	349	404	7.16	299	7.84	-0.68
Unchahar III TPS (1*210)	210	203	174	197	3.57	149	3.90	-0.33
Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
ISTPP (Jhajjar) (3*500)	1500	1440	993	849	17.30	721	17.55	-0.25
Dadri GPS (4*130.19+2*154.51)	830	767	149	163	3.65	152	4.09	-0.44
Anta GPS (3*88.71+1*153.2)	419	379	0	0	0.00	0	0.01	-0.01
Auraiya GPS (4*111.19+2*109.30)	663	639	143	144	3.33	139	3.42	-0.09
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	-0.01
Singrauli Solar(15)	15	2	0	0	0.00	0	0.05	-0.05
KHEP(4*200)	800	872	653	0	6.29	262	6.00	0.29
Sub Total (A)	12772	10729	8375	7105	160	6653	166	-6.81
B. NPC								
NAPS (2*220)	440	393	424	439	9.32	388	9.43	-0.11
RAPS- B (2*220)	440	364	404	412	8.69	362	8.74	-0.05
RAPS- C (2*220)	440	210	230	232	4.80	200	5.04	-0.24
Sub Total (B)	1320	967	1058	1083	22.81	950	23.21	-0.40
C. NHPC								
Chamera I HPS (3*180)	540	535	544	546	13.05	544	12.83	0.22
Chamera II HPS (3*100)	300	301	312	310	7.38	307	7.22	0.16
Chamera III HPS (3*77)	231	231	235	236	5.66	236	5.55	0.11
Bairasuli HPS(3*60)	180	179	183	181	4.34	181	4.29	0.05
Salal-HPS (6*115)	690	579	655	653	14.88	620	13.90	0.98
Tanakpur-HPS (3*31.4)	94	30	58	32	0.80	33	0.71	0.08
Uri-I HPS (4*120)	480	475	479	479	11.61	484	11.40	0.21
Uri-II HPS (4*60)	240	237	241	240	5.72	239	5.69	0.03
Dhauliganga-HPS (4*70)	280	280	279	0	2.12	88	2.03	0.09
Dulhasti-HPS (3*130)	390	387	396	404	9.44	393	9.30	0.14
Sewa-II HPS (3*40)	120	126	132	133	3.10	129	3.02	0.08
Parbati 3 (4*130)	520	260	263	0	1.65	69	1.63	0.02
Sub Total (C)	4065	3621	3776	3215	80	3323	78	2.19
D.SJVNL								
NJPC (6*250)	1500	1605	1606	523	20.61	859	20.40	0.21
Rampur HEP (6*68.67)	412	442	438	148	5.90	246	5.69	0.21
Sub Total (D)	1912	2047	2044	671	26.51	1105	26.09	0.42
E. THDC								
Tehri HPS (4*250)	1000	474	457	0	5.23	218	5.30	-0.07
Koteshwar HPS (4*100)	400	104	202	92	2.53	105	2.50	0.03
Sub Total (E)	1400	578	659	92	7.75	323	7.80	-0.05
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	267	286	267	6.42	267	6.41	0.00
Dehar HPS (6*165)	990	487	495	330	11.91	496	11.68	0.23
Pong HPS (6*66)	396	23	165	0	0.57	24	0.56	0.01
Sub Total (F)	2765	777	946	597	18.90	787	18.66	0.24
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	163	96	2.22	93	2.14	0.08
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	350	11.06	461	10.91	0.15
Malana Stg-II HPS (2*50)	100	0	112	45	0.94	39	0.88	0.06
Shree Cement TPS (2*150)	300	0	143	145	3.37	140	3.44	-0.07
Budhil HPS(IPP) (2*35)	70	0	0	36	1.31	55	1.31	0.00
Sub Total (G)	1662	0	1517	672	18.90	788	18.67	0.23
H. Total Regional Entities (A-G)	25897	18720	18375	13436	334.31	13930	338.49	-4.18

I. State Entities

Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab					
Guru Gobind Singh TPS (Ropar) (6*210)	1260	340	340	7.63	318
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	592	622	14.23	593

	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1
	Rajpura (2*700)	1400	660	660	13.34	556
	Talwandi Saboo (3*660)	1980	1116	980	20.96	873
	Thermal (Total)	6560	2708	2602	56.12	2338
	Total Hydro	1000	230	110	3.11	130
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.23	10
	Solar	560	0	0	0.07	3
	Renewable(Total)	848	0	0	0.31	13
	Total Punjab	8408	2938	2712	59.54	2481
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	275	224	5.63	234
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	525	422	10.35	431
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar (CLP) (2*660)	1320	570	540	10.74	448
	Thermal (Total)	4497	1370	1186	26.72	1113
	Total Hydro	62	11	29	0.62	26
	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	1381	1215	27.34	1139
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	567	467	11.75	490
	suratgarh TPS (6*250)	1500	216	183	4.72	196
	Chabra TPS (4*250)	1000	856	766	19.70	821
	Chabra TPS (1*660)	660	286	283	6.89	287
	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	170	183	4.34	181
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.21	175
	Barsingsar (NLC) (2*125)	250	162	228	4.86	203
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	740	563	18.74	781
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	469	414	10.84	452
	Kawai(Adani) (2*660)	1320	595	447	11.39	475
	Thermal (Total)	9536	4251	3724	97.43	4060
	Total Hydro	550	51	21	0.55	23
	Wind power	4017	343	1390	17.68	737
	Biomass	99	23	23	0.55	23
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	366	1413	18.23	760
	Total Rajasthan	15497	4668	5158	116.21	4842
UP	Anpara TPS (3*210+2*500)	1630	1400	1391	33.18	1383
	Obra TPS (2*50+2*94+5*200)	1194	680	677	15.48	645
	Paricha TPS (2*110+2*220+2*250)	1160	815	803	17.28	720
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	221	221	4.79	199
	Tanda TPS (NTPC) (4*110)	440	295	280	6.16	257
	Roza TPS (IPP) (4*300)	1200	833	838	17.46	727
	Anpara-C (IPP) (2*600)	1200	635	630	15.08	628
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	832	829	19.88	828
	Lalitpur TPS(3*660)	1980	1184	1172	23.90	996
	Bara(2*660)	1320	582	584	13.46	561
	Thermal (Total)	12449	7477	7425	166.66	6944
	Vishnuparyag HPS (IPP)(4*110)	440	177	152	3.82	159
	Alakanada(4*82.5)	330	85	84	2.21	92
	Other Hydro	527	99	149	2.06	86
	Cogeneration	981	600	600	12.60	525
	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	8438	8410	187.35	7806	
Uttarakhand	Other Hydro	1250	463	351	9.77	407
	Total Gas	225	251	250	5.97	249
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.56	23
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.56	23
Total Uttarakhand	1802	714	601	16.30	679	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	31	34	0.83	35
	Pragati Gas Turbine (2x104+ 1x122)	330	144	152	3.60	150
	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	166	167	3.65	152
	Thermal (Total)	2917	591	604	14.12	588
	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	591	604	14.12	588	
HP	Baspa HPS (IPP) (3*100)	300	223	61	2.27	95
	Malana HPS (IPP) (2*43)	86	81	64	0.95	40
	Other Hydro (>25MW)	372	271	252	5.90	246
	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	251	224	5.48	228
	Renewable(Total)	486	251	224	5.48	228
Total HP	1244	826	602	14.60	608	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	891	598	17.21	717
	Other Hydro/IPP(including 98 MW Small Hydro)	308	136	120	0.00	0
	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	1027	718	17	717
Total State Control Area Generation	50738	20583	20019	452.66	18861
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8383	9964	175.20	7300
Total Regional Availability(Gross)	76635	47342	43419	962.16	40090

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9452	5067	153.43	6393
State Control Area Hydro	7163	3220	2466	53.94	2520
Total Regional Hydro	19397	12672	7533	207.37	8912

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	617	1637	24.58	1024
Total Regional Renewable	7386	617	1637	24.65	1027

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)	-500	-200	0	-500	0.00	9.32	-9.32
765 KV Gwalior-Agra (D/C)	2376	2308	3358	0	47.63	0.00	47.63
400 KV Zerda-Kankroli	-36	-206	15	284	0.00	4.86	-4.86
400 KV Zerda-Bhinmal	32	-164	78	244	3.43	0.00	3.43
220 KV Auraiya-Malanpur	-52	-42	0	77	0.00	1.02	-1.02
220 KV Badod-Kota/Morak	58	37	106	-47	0.53	0.00	0.53
Mundra-Mohinderghar(HVDC Bipole)	1499	2299	2305	0	46.48	0.00	46.48
400 KV RAPP-C-Sujalpur	364	230	366	0	5.69	0.00	5.69
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1058	1117	1434	0	22.18	0.00	22.18
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	1500	0	28.52	0	28.52
Sub Total WR	5799	6879			154.44	15.20	139.24
400 kV Sasaram - Varanasi	127	129	144	0	3.25	0.00	3.25
400 kV Sasaram - Allahabad	14	13	31	0	0.33	0.00	0.33
400 KV MZP- GKP (D/C)	260	213	392	0	5.12	0.00	5.12
400 KV Patna-Balia(D/C) X 2	617	714	719	0	14.26	0.00	14.26
400 KV B'Sharif-Balia (D/C)	14	114	166	0	1.78	0.00	1.78
765 KV Gaya-Balia	191	310	328	0	5.61	0.00	5.61
765 KV Gaya-Varanasi (D/C)	299	397	458	0	6.63	0.00	6.63
220 KV Pusaui-Sahupuri	183	184	222	0	4.49	0.00	4.49
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	25	20	0	30	0.00	0.55	-0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-190	-137	0	261	0.00	3.10	-3.10
400 KV Barh -GKP (D/C)	494	558	558	0	10.42	0.00	10.42
400 kV B'Sharif - Varanasi (D/C)	50	70	0	111	0.00	0.79	-0.79
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2084	2585			52.84	4.44	48.40
+/- 800 KV HVDC BiswanathCharialli-Agra	500	500	0	500.00	0.00	12.45	-12.45
Sub Total NER	500	500			0.00	12.45	-12.45
Total IR Exch	8383	9964			207.29	32.09	175.20

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
44.13	0.53	44.67	-2.79	-1.51	-10.15	1.42	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
31.73	137.56	169.29	35.95	139.24	175.20	4.22	1.68	5.91

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	-24	0	29	0	1	-0.64

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	2.72	44.26	74.83	16.90	6.34	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)		
50.17	10.00	49.80	10.07	50.01	0.032	0.056	50.10	49.84	25.17

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	410	8:03	402	22:30	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	10:00	392	19:13	0.0	0.0	0.9	0.0	0.9
Bareilly(PG)400kV	400	418	5:15	386	19:19	0.0	1.6	0.0	0.0	0.0
Kanpur	400	417	5:03	395	19:16	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	8:02	401	19:17	0.1	0.1	0.4	0.0	0.5
Ballabgarh	400	421	8:01	398	19:18	0.0	0.0	0.6	0.0	0.6
Bawana	400	420	8:03	398	19:12	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	8:03	395	22:34	0.0	0.0	0.0	0.0	0.0
Hissar	400	416	8:00	396	19:17	0.0	0.0	0.0	0.0	0.0
Moga	400	417	8:04	401	19:14	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	422	14:03	399	19:17	0.0	0.0	0.9	0.0	0.9
Nalagarh	400	422	13:11	404	19:23	0.0	0.0	3.7	0.0	3.7
Kishenpur	400	412	13:02	399	19:44	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	18:00	374	6:55	4.3	54.0	0.0	0.0	4.3
Amritsar	400	422	13:03	405	19:21	0.0	0.0	2.5	0.0	2.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	415	15:03	405	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	4:14	389	19:20	0.0	0.2	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum	Minimum	Voltage (in % of Time)	Voltage
---------	--------------------	---------	---------	------------------------	---------

Station	Voltage Level (kV)	Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	% Deviat
Fatehpur	765	789	5:01	750	19:21	0.0	0.0	0.0	0.0	0.0
Balia	765	793	5:16	746	21:11	0.0	0.0	0.0	0.0	0.0
Moga	765	798	8:02	764	19:20	0.0	0.0	0.0	0.0	0.0
Agra	765	797	8:03	758	22:21	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	8:01	770	19:11	0.0	0.0	29.6	0.0	29.6
Unnao	765	780	5:15	729	21:09	0.0	21.2	0.0	0.0	0.0
Lucknow	765	802	5:16	740	19:21	0.0	0.7	0.2	0.0	0.2
Meerut	765	808	8:03	763	19:21	0.0	0.0	27.0	0.0	27.0
Jhatikara	765	805	8:03	763	19:21	0.0	0.0	5.1	0.0	5.1
Bareilly 765 kV	765	806	5:15	780	6:23	0.0	0.0	12.2	0.0	12.2
Anta	765	795	5:02	771	20:40	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	465.97	208.49	478.83	434.29	354.72	218.21
Pong	426.72	384.05	397.01	162.91	395.76	136.17	75.12	42.56
Tehri	829.79	740.04	757.05	98.67	746.55	31.75	75.95	168.00
Koteshwar	612.50	598.50	611.16	5.20	611.09	5.10	168.00	166.12
Chamera-I	760.00	748.75	753.46	0.00	0.00	0.00	324.98	354.01
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	512.64	0.58	496.02	2.88	276.70	48.28

* 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	-1.06	-3.48
Delhi	-294	-66	0	-279	-123	0	-6.17	-0.89	-7.06
Haryana	33	239	0	33	181	0	-1.63	0.87	-0.76
HP	69	-379	0	69	-1184	0	1.69	-12.22	-10.53
J&K	-46	-151	0	-46	-216	0	-1.10	-2.78	-3.88
CHD	0	-10	0	0	-20	0	0.00	0.01	0.01
Rajasthan	22	412	0	28	310	0	0.57	8.58	9.16
UP	61	917	0	98	1019	0	1.56	8.46	10.02
Uttarakhand	252	-177	0	155	64	0	5.77	-1.53	4.24
Total	-2	785	0	-41	31	0	-1.72	-0.55	-2.27

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-101	0	-554	0	0
Delhi	-228	-302	185	-257	0	0
Haryana	33	-169	281	-668	0	0
HP	74	69	-189	-1247	0	0
J&K	-46	-46	-25	-316	0	0
CHD	0	0	35	-20	0	0
Rajasthan	33	16	417	-288	0	0
UP	98	15	1394	-56	0	0
Uttarakhand	285	155	111	-217	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%
----------------	-------

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	3	25
Delhi	3	27
UP	2	22
Uttarakhand	3	17
HP	5	10
J & K	5	38
Chandigarh	4	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 15.04.2017 :

XVI. Synchronisation of new generating units :

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

First time charging

(a) 400 kV Bus I (along with synchronization of Mathura-Fatehabad at Mathura) & II at 400 kV Mathura(UPPTCL) charged at 20.19(I) Hrs & 20.49(II) Hrs respectively on 15-04-2017

(b) 400 kV Bikaner-Badhala- I charged on no load at 20.42 Hrs.

(d)400 kV Bus-II at Securandabad charged at 21.00 Hrs

(c) 400 kV Bikaner-Badhala- II charged on no load at 21.22 Hrs

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 : 15.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER