

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 25.04.2017

Date of Reporting : 26.04.2017



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
44878	569	45446	50.02	42711	264	42974	49.98	967.88	9.40

* 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	39.25	11.58	0.31	51.14	71.06	69.90	-1.16	121.04	0.00
Haryana	32.84	0.51	0.00	33.34	104.78	103.21	-1.57	136.56	0.00
Rajasthan	88.81	0.16	22.84	111.80	76.67	74.70	-1.97	186.49	0.00
Delhi	21.51		0.00	21.51	80.26	79.24	-1.02	100.76	0.00
UP	184.77	15.20	0.00	199.97	116.16	115.95	-0.20	315.93	0.00
Uttarakhand		14.57	0.00	19.08	17.99	17.43	-0.56	36.50	0.00
HP		15.92	5.97	15.92	5.75	9.84	4.09	25.76	0.00
J & K		19.62	0.00	19.62	18.95	20.24	1.29	39.86	9.40
Chandigarh				0.00	5.44	4.99	-0.45	4.99	0.00
Total	367.18	77.55	29.11	472.38	497.06	495.50	-1.56	967.88	9.40

* 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	5319	0	-382	-46	5364	0	-64	-46	5835	1	0
Haryana	6536	0	-478	389	7008	0	185	428	7078	1	0
Rajasthan	7458	0	-65	789	7915	0	-23	392	8677	1	0
Delhi	4370	0	-160	-172	4320	0	164	-212	4961	16	0
UP	16125	100	-199	1067	14075	0	-355	748	16318	21	0
Uttarakhand	1818	0	58	266	1500	0	-7	117	1818	20	0
HP	1153	0	234	-1083	862	0	1	-697	1212	8	0
J&K	1874	469	115	-452	1495	264	91	-658	1900	21	475
Chandigarh	225	0	-28	0	172	0	-8	0	253	16	0
Total	44878	569	-905	757	42711	264	-15	70	46097	1	281

* 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	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	1625	1791	1744	38.99	1624	38.40	0.59
Rihand I STPS (2*500)	1000	926	998	1002	21.21	884	21.34	-0.13
Rihand II STPS (2*500)	1000	473	515	508	11.17	465	10.83	0.34
Rihand III STPS (2*500)	1000	878	1006	1004	19.85	827	19.42	0.43
Dadri I STPS (4*210)	840	815	861	628	14.52	605	14.93	-0.41
Dadri II STPS (2*490)	980	980	1009	937	18.33	764	19.02	-0.68
Unchahar I TPS (2*210)	420	360	363	371	6.82	284	6.98	-0.16
Unchahar II TPS (2*210)	420	404	427	414	7.72	322	7.89	-0.17
Unchahar III TPS (1*210)	210	0	0	0	0.00	0	0.00	0.00
Unchahar IV TPS(1*660)	660	0	0	0	0.00	0	0.00	0.00
ISTPP (Jhajjar) (3*500)	1500	1440	997	995	18.47	770	18.70	-0.23
Dadri GPS (4*130.19+2*154.51)	830	740	129	137	3.07	128	3.11	-0.04
Anta GPS (3*88.71+1*153.2)	419	382	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	429	0	0	0.00	0	0.00	0.00
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	0.00
Singrauli Solar(15)	15	2	0	0	0.07	3	0.06	0.01
KHEP(4*200)	800	872	305	217	8.55	356	8.00	0.55
Sub Total (A)	12772	10330	8401	7957	169	7035	169	0.10
B. NPC								
NAPS (2*220)	440	380	423	429	9.29	387	9.12	0.17
RAPS- B (2*220)	440	362	404	412	8.72	363	8.69	0.03
RAPS- C (2*220)	440	223	233	235	4.55	190	5.36	-0.80
Sub Total (B)	1320	965	1060	1076	22.56	940	23.16	-0.60
C. NHPC								
Chamera I HPS (3*180)	540	535	551	549	13.19	549	12.83	0.35
Chamera II HPS (3*100)	300	301	308	311	7.09	296	6.97	0.12
Chamera III HPS (3*77)	231	232	228	228	4.47	186	4.45	0.03
Bairasuli HPS(3*60)	180	179	185	182	4.21	175	4.14	0.07
Salal-HPS (6*115)	690	617	672	670	15.99	666	14.80	1.20
Tanakpur-HPS (3*31.4)	94	39	50	45	1.11	46	0.94	0.17
Uri-I HPS (4*120)	480	465	480	476	11.38	474	11.17	0.21
Uri-II HPS (4*60)	240	237	240	241	5.74	239	5.69	0.04
Dhauliganga-HPS (4*70)	280	280	275	145	3.13	130	3.05	0.08
Dulhasti-HPS (3*130)	390	387	401	405	9.45	394	9.30	0.15
Sewa-II HPS (3*40)	120	126	131	131	3.11	130	3.02	0.09
Parbati 3 (4*130)	520	390	131	0	1.25	52	1.24	0.01
Sub Total (C)	4065	3788	3653	3383	80	3338	78	2.52
D.SJVNL								
NJPC (6*250)	1500	1605	1404	510	21.17	882	20.80	0.37
Rampur HEP (6*68.67)	412	442	443	142	6.03	251	5.89	0.14
Sub Total (D)	1912	2047	1847	652	27.21	1134	26.70	0.51
E. THDC								
Tehri HPS (4*250)	1000	468	460	0	6.33	266	6.27	0.05
Koteshwar HPS (4*100)	400	120	302	91	2.94	122	2.88	0.06
Sub Total (E)	1400	588	762	91	9.26	386	9.15	0.11
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	449	931	358	11.47	478	10.77	0.70
Dehar HPS (6*165)	990	450	330	495	10.94	456	10.80	0.14
Pong HPS (6*66)	396	78	275	0	1.89	79	1.87	0.02
Sub Total (F)	2765	977	1536	853	24.30	1013	23.44	0.86
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	107	57	1.53	64	1.63	-0.10
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	830	450	12.89	537	12.78	0.11
Malana Stg-II HPS (2*50)	100	0	100	30	0.87	36	0.84	0.02
Shree Cement TPS (2*150)	300	0	90	133	2.52	105	2.39	0.13
Budhil HPS(IPP) (2*35)	70	0	36	36	0.85	35	0.90	-0.05
Sub Total (G)	1662	0	1163	706	18.66	778	18.55	0.11
H. Total Regional Entities (A-G)	25897	18694	18422	14718	350.94	14623	347.32	3.62
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	420	420	8.36	348		
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	120	2.36	98		
	Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	718	716	14.66	611		

	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	610	660	13.87	578
	Talwandi Saboo (3*660)	1980	0	0	0.00	0
	Thermal (Total)	6560	1868	1916	39.25	1635
	Total Hydro	1000	385	512	11.58	483
	Wind Power	0	0	0	0.00	0
	Biomass	288	8	8	0.20	8
	Solar	560	0	0	0.11	5
	Renewable(Total)	848	8	8	0.31	13
	Total Punjab	8408	2261	2436	51.14	2131
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	530	553	11.26	469
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	454	572	10.97	457
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	565	603	10.60	442
	Thermal (Total)	4497	1549	1728	32.84	1368
	Total Hydro	62	20	20	0.51	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	1569	1748	33.34	1389
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	620	628	15.95
suratgarh TPS (6*250)		1500	180	188	4.56	190
Chabra TPS (4*250)		1000	767	881	19.82	826
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	192	192	4.65	194
RAPS A (NPC) (1*100+1*200)		300	0	0	0.00	0
Barsingsar (NLC) (2*125)		250	193	226	5.12	214
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	411	697	13.93	580
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	405	420	11.10	463
Kawai(Adani) (2*660)		1320	445	618	13.68	570
Thermal (Total)		9536	3213	3850	88.81	3700
Total Hydro		550	22	0	0.16	6
Wind power		4017	454	1103	19.19	800
Biomass		99	30	30	0.73	30
Solar		1295	0	0	2.92	122
Renewable/Others (Total)		5411	484	1133	22.84	952
Total Rajasthan		15497	3719	4983	111.80	4658
UP		Anpara TPS (3*210+2*500)	1630	1392	1362	29.31
	Obra TPS (2*50+2*94+5*200)	1194	496	448	10.18	424
	Paricha TPS (2*110+2*220+2*250)	1160	893	772	17.59	733
	Panki TPS (2*105)	210	162	135	3.38	141
	Harduaganj TPS (1*60+1*105+2*250)	665	531	516	11.56	482
	Tanda TPS (NTPC) (4*110)	440	280	295	5.91	246
	Roza TPS (IPP) (4*300)	1200	1098	864	21.00	875
	Anpara-C (IPP) (2*600)	1200	770	779	17.16	715
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	282	7.43	309
	Anpara-D(2*500)	1000	818	861	17.77	740
	Lalitpur TPS(3*660)	1980	1175	1180	22.43	935
	Bara(2*660)	1320	580	548	11.46	478
	Thermal (Total)	12449	8600	8042	175.17	7299
	Vishnuparyag HPS (IPP)(4*110)	440	256	296	6.22	259
	Alakanada(4*82.5)	330	152	152	2.77	116
	Other Hydro	527	144	25	6.22	259
	Cogeneration	981	400	400	9.60	400
	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	9552	8915	199.97	8332	
Uttarakhand	Other Hydro	1250	681	595	14.57	607
	Total Gas	225	182	164	4.04	169
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.47	19
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.47	19
Total Uttarakhand	1802	863	759	19.08	795	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	71	1.80	75
	Pragati Gas Turbine (2x104+ 1x122)	330	260	257	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	248	249	6.01	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	331	340	7.33	305
	Thermal (Total)	2917	910	917	21.51	896
	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	910	917	21.51	896	
HP	Baspa HPS (IPP) (3*100)	300	22	97	2.93	122
	Malana HPS (IPP) (2*43)	86	58	40	0.86	36
	Other Hydro (>25MW)	372	246	277	6.16	257
	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	271	242	5.97	249
	Renewable(Total)	486	271	242	5.97	249
	Total HP	1244	597	655	15.92	663
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	742	740	17.79	741
	Other Hydro/IPP(including 98 MW Small Hydro)	308	94	66	1.84	77
	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	836	806	20	818
Total State Control Area Generation	50738	20307	21220	472.38	19683
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7584	7266	149.58	6232
Total Regional Availability(Gross)	76635	46313	43203	972.90	40538

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9140	5733	164.73	6864
State Control Area Hydro	7163	3275	3225	77.55	3419
Total Regional Hydro	19397	12416	8958	242.28	10283

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	7356	763	1383	29.57	1232
Total Regional Renewable	7386	763	1383	29.71	1238

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-300	-300	0	300	0.00	7.32	-7.32
765 KV Gwalior-Agra (D/C)	2063	1854	2385	0	38.68	0.00	38.68
400 KV Zerda-Kankrol	7	-170	7	331	0.00	4.31	-4.31
400 KV Zerda-Bhinmal	56	-145	90	230	0.00	2.85	-2.85
220 KV Auraiya-Malanpur	-52	-55	0	95	0.00	1.37	-1.37
220 KV Badod-Kota/Morak	56	85	75	52	0.26	0.00	0.26
Mundra-Mohinderghar(HVDC Bipole)	1999	2298	2307	0	49.19	0.00	49.19
400 KV RAPP-C-Sujalpur	337	0	337	0	2.57	0.00	2.57
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1062	1129	619	0	23.02	0.00	23.02
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	28.59	0	28.59
Sub Total WR	6728	6196			142.31	15.85	126.46
400 kV Sasaram - Varanasi	142	134	144	0	3.20	0.00	3.20
400 kV Sasaram - Allahabad	3	7	37	0	0.25	0.00	0.25
400 KV MZP- GKP (D/C)	10	354	515	191	3.60	0.00	3.60
400 KV Patna-Balia(D/C) X 2	652	668	762	0	15.26	0.00	15.26
400 KV B'Sharif-Balia (D/C)	32	102	170	62	1.52	0.00	1.52
765 KV Gaya-Balia	222	174	272	0	3.41	0.00	3.41
765 KV Gaya-Varanasi (D/C)	-301	-363	0	467	0.00	5.81	-5.81
220 KV Pusaui-Sahupuri	225	203	225	0	4.74	0.00	4.74
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-33	-30	0	40	0.00	0.75	-0.75
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-201	-109	8	257	0.00	2.21	-2.21
400 KV Barh -GKP (D/C)	534	474	534	0	10.11	0.00	10.11
400 kV B'Sharif - Varanasi (D/C)	71	-44	196	60	0.34	0.00	0.34
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1356	1570			42.90	8.77	34.13
+/- 800 KV HVDC BiswanathChariali-Agra	-500	-500	0	0.00	0.00	11.01	-11.01
Sub Total NER	-500	-500			0.00	11.01	-11.01
Total IR Exch	7584	7266			185.21	35.63	149.58

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
44.29	1.06	45.36	0.65	-1.03	-17.59	-1.73	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
28.41	139.58	167.99	23.12	126.46	149.58	-5.30	-13.12	-18.42

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-30	-30	0	32	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	0.31	15.61	68.77	74.53	7.81	2.08	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	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	18.33	49.77	22.45	49.97	0.053	0.065	50.09	49.81	25.47

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	13:26	403	19:22	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	13:08	394	19:21	0.0	0.0	10.5	0.0	10.5
Bareilly(PG)400kV	400	420	13:03	392	19:21	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	13:03	397	19:19	0.0	0.0	0.0	0.0	0.0
Dadri	400	418	6:01	402	19:17	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	416	6:03	398	0:00	0.0	0.0	0.0	0.0	0.0
Bawana	400	417	13:04	397	0:05	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	18:01	398	0:00	0.0	0.0	0.1	0.0	0.1
Hissar	400	416	13:01	394	0:10	0.0	0.0	0.0	0.0	0.0
Moga	400	417	13:04	403	0:00	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	419	13:01	397	19:18	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	13:01	407	0:00	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	3:39	402	19:18	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	3:37	376	21:12	7.8	65.0	0.0	0.0	7.8
Amritsar	400	421	13:01	409	0:00	0.0	0.0	0.4	0.0	0.4
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	417	0:00	407	20:57	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	422	13:03	391	19:24	0.0	0.0	3.3	0.0	3.3

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	779	7:04	745	19:20	0.0	0.0	0.0	0.0	0.0
Balia	765	788	13:01	748	19:19	0.0	0.0	0.0	0.0	0.0
Moga	765	799	13:03	766	0:04	0.0	0.0	0.0	0.0	0.0
Agra	765	793	13:03	755	0:09	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	13:03	766	0:00	0.0	0.0	1.1	0.0	1.1
Unnao	765	782	13:07	740	19:20	0.0	0.8	0.0	0.0	0.0
Lucknow	765	796	6:04	747	19:19	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	13:03	764	0:10	0.0	0.0	3.8	0.0	3.8
Jhatikara	765	799	13:02	762	0:08	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	802	13:31	749	19:22	0.0	0.0	0.5	0.0	0.5
Anta	765	796	13:05	771	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	797	13:02	760	0:00	6.4	6.4	0.0	0.0	6.4

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	469.83	262.21	477.02	394.40	779.34	399.27
Pong	426.72	384.05	396.69	151.67	394.62	121.45	62.30	139.66
Tehri	829.79	740.04	755.15	84.00	742.60	12.25	95.69	206.00
Koteshwar	612.50	598.50	610.89	4.95	608.18	3.73	206.00	193.27
Chamera-I	760.00	748.75	756.48	0.00	0.00	0.00	325.22	356.88
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	515.83	4.48	498.46	2.33	317.92	163.40

* 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	-46	0	0	-46	0	0	-1.11	-0.60	-1.71
Delhi	-242	30	0	-202	30	0	-4.21	4.94	0.73
Haryana	149	279	0	149	240	0	1.17	0.50	1.67
HP	-87	-610	0	-105	-978	0	-2.22	-18.27	-20.49
J&K	-163	-496	0	-163	-290	0	-3.90	-8.59	-12.49
CHD	0	0	0	0	0	0	0.00	0.51	0.51
Rajasthan	-8	400	0	-8	797	0	-0.19	11.47	11.28
UP	816	-68	0	1135	-68	0	9.28	-0.65	8.63
Uttarakhand	115	1	0	157	109	0	3.15	-0.07	3.08
Total	534	-465	0	917	-160	0	1.96	-10.75	-8.80

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-46	-47	0	-250	0	0
Delhi	-32	-242	724	-183	0	0
Haryana	149	-51	290	-498	0	0
HP	-40	-246	-541	-1065	0	0
J&K	-163	-163	-215	-496	0	0
CHD	0	0	79	0	0	0
Rajasthan	-8	-8	1086	370	0	0
UP	1135	45	421	-68	0	0
Uttarakhand	287	115	114	-243	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	9
Haryana	3	26
Rajasthan	1	13
Delhi	5	61
UP	2	13
Uttarakhand	3	19
HP	4	24
J & K	2	24
Chandigarh	0	12

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.04.2017 :

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 : 25.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER