

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.07.2017

Date of Reporting : 02.07.2017



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
44804	647	45451	49.95	40491	218	40709	50.01	1007.81	9.23

* 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	36.70	15.33	0.27	52.30	130.39	130.75	0.37	183.05	0.00
Haryana	14.85	0.57	0.00	15.42	117.58	117.78	0.20	133.19	0.03
Rajasthan	69.12	0.21	8.66	78.00	72.75	75.57	2.82	153.57	0.00
Delhi	15.62		0.00	15.62	80.76	81.73	0.97	97.36	0.02
UP	151.85	24.24	0.00	176.09	160.05	160.55	0.50	336.63	0.00
Uttarakhand		16.40	6.97	23.37	12.45	12.31	-0.14	35.68	0.00
HP		18.64	6.22	24.86	-3.96	-0.51	3.44	24.35	0.00
J & K		26.02	0.00	26.02	14.57	12.65	-1.92	38.67	9.18
Chandigarh				0.00	5.73	5.31	-0.42	5.31	0.00
Total	288.14	101.41	22.13	411.67	590.32	596.14	5.82	1007.81	9.23

* Shortage furnished by the respective constituent \$ 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	8431	0	-50	1434	6045	0	-5	2148	8675	17	0
Haryana	6006	200	182	1081	5199	0	-84	1172	6916	21	48
Rajasthan	6360	0	178	188	6521	0	185	229	7523	23	0
Delhi	4127	0	56	723	3837	0	59	689	4831	16	0
UP	15328	0	58	1572	15207	0	-191	1615	16170	21	190
Uttarakhand	1541	0	-190	-195	1426	0	54	-317	1728	16	0
HP	985	0	186	-1745	843	0	159	-1709	1151	12	0
J&K	1787	447	13	-1014	1235	218	-148	-1280	1944	21	486
Chandigarh	240	0	10	-50	179	0	-34	0	263	16	0
Total	44804	647	444	1994	40491	218	-5	2547	47949	21	724

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

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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 [OG(+ve), UG: (-ve)]	
								Net MU	
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1780	1929	1654	39.40	1642	38.47	0.93
	Rihand I STPS (2*500)	1000	923	994	808	20.41	850	20.39	0.02
	Rihand II STPS (2*500)	1000	943	1006	761	21.45	894	21.09	0.37
	Rihand III STPS (2*500)	1000	943	1018	811	20.90	871	20.59	0.31
	Dadri I STPS (4*210)	840	769	178	119	3.26	136	3.27	-0.01
	Dadri II STPS (2*490)	980	929	414	280	7.96	332	8.14	-0.18
	Unchahar I TPS (2*210)	420	350	249	231	5.62	234	5.91	-0.29
	Unchahar II TPS (2*210)	420	383	209	218	4.86	203	5.74	-0.88
	Unchahar III TPS (1*210)	210	192	138	115	2.78	116	2.87	-0.10
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjar) (3*500)	1500	1000	858	836	19.80	825	19.72	0.08
	Dadri GPS (4*130, 19+2*154.51)	830	770	370	227	5.89	246	6.11	-0.22
	Anta GPS (3*88.71+1*153.2)	419	389	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	608	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	0.03	1	0.05	-0.02
	Singrauli Solar(15)	15	2	0	0	0.00	0	0.04	-0.03
	KHEP(4*200)	800	814	870	870	20.97	874	19.53	1.44
	Sub Total (A)	12612	10795	8233	6930	173	7223	172	1.43
B. NPC	NAPS (2*220)	440	383	417	420	9.11	380	9.19	-0.08
	RAPS- B (2*220)	440	369	404	408	8.76	365	8.80	-0.04
	RAPS- C (2*220)	440	430	446	447	9.58	399	10.32	-0.74
	Sub Total (B)	1320	1182	1267	1275	27.45	1144	28.31	-0.85
C. NHPC	Chamera I HPS (3*180)	540	535	550	544	13.13	547	12.84	0.29
	Chamera II HPS (3*100)	300	301	307	308	7.27	303	7.22	0.06
	Chamera III HPS (3*77)	231	229	234	230	5.53	231	5.50	0.03
	Bairasuli HPS(3*60)	180	179	184	184	4.35	181	4.28	0.07
	Salal-HPS (6*115)	690	676	683	684	16.30	679	16.23	0.07
	Tanakpur-HPS (3*31.4)	94	81	94	92	1.96	82	1.93	0.03
	Uri-I HPS (4*120)	480	467	482	481	11.39	475	11.20	0.19
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	281	290	290	0.63	26	6.60	-5.96
	Dulhasti-HPS (3*130)	390	386	398	397	9.33	389	9.26	0.07
	Sewa-II HPS (3*40)	120	126	133	131	3.14	131	3.02	0.11
	Parbati 3 (4*130)	520	514	524	0	5.65	235	5.71	-0.06
	Sub Total (C)	4065	3774	3880	3340	79	3278	84	-5.10
	D.SJVNL	1500	1482	1563	1626	37.32	1555	35.53	1.80
	Rampur HEP (6*68.67)	412	408	431	443	10.34	431	9.79	0.55
	Sub Total (D)	1912	1890	1994	2069	47.66	1986	45.32	2.35
E. THDC	Tehri HPS (4*250)	1000	548	560	0	5.04	210	4.96	0.08
	Koteshwar HPS (4*100)	400	118	301	92	2.88	120	2.84	0.04
	Sub Total (E)	1400	666	861	92	7.91	330	7.80	0.12
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	673	1300	533	16.70	696	16.15	0.55
	Dehar HPS (6*165)	990	595	655	600	14.47	603	14.29	0.18
	Pong HPS (6*66)	396	35	162	0	0.88	37	0.83	0.05
	Sub Total (F)	2765	1303	2117	1133	32.04	1335	31.27	0.78
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	230	5.40	225	4.61	0.79
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.13	1089	26.08	0.05
	Malana Stg-II HPS (2*50)	100	0	112	113	2.58	107	2.50	0.08
	Shree Cement TPS (2*150)	300	0	0	0	0.00	0	0.00	0.00
	Budhli HPS(IPP) (2*35)	70	0	74	74	1.75	73	1.73	0.03
	Sub Total (G)	1662	0	1518	1517	35.86	1494	34.92	0.94
H. Total Regional Entities (A-G)		25737	19610	19869	16356	402.96	16790	403.32	-0.35

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	0.00	0
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0
	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	1320	660	25.33	1055
	Talwandi Saboo (3*660)	1980	600	308	11.37	474

	Thermal (Total)		6560	1920	968	36.70	1529	
	Total Hydro		1000	637	647	15.33	639	
	Wind Power		0	0	0	0.00	0	
	Biomass		288	0	0	0.22	9	
	Solar		560	0	0	0.05	2	
	Renewable(Total)		848	0	0	0.27	11	
	Total Punjab		8408	2557	1615	52.30	2179	
	Haryana	Panipat TPS (2*210+2*250)		920	218	199	4.98	208
		DCRTPP (Yamuna nagar) (2*300)		600	263	235	5.76	240
		Faridabad GPS (NTPC)(2*137.75+1*156)		432	181	161	4.11	171
		RGTPP (khedar) (IPP) (2*600)		1200	0	0	0.00	0
		Magnum Diesel (IPP)		25	0	0	0.00	0
		Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4497	662	595	14.85	619		
Total Hydro		62	23	18	0.57	24		
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	685	613	15.42	642		
Rajasthan	kota TPS (2*110+2*195+3*210)		1240	0	153	2.79	116	
	suratgarh TPS (6*250)		1500	182	179	4.45	185	
	Chabra TPS (4*250)		1000	601	548	13.77	574	
	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	179	199	4.59	191	
	RAPS A (NPC) (1*100+1*200)		300	160	161	3.95	165	
	Barsingsar (NLC) (2*125)		250	108	8	1.98	82	
	Giral LTPS (2*125)		250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)		1080	604	554	12.69	529	
	VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
	Kalisindh Thermal(2*600)		1200	0	0	0.00	0	
	Kawai(Adani) (2*660)		1320	991	1161	24.91	1038	
	Thermal (Total)		9536	2825	2963	69.12	2880	
	Total Hydro		550	30	0	0.21	9	
	Wind power		4017	103	132	5.97	249	
	Biomass		99	25	25	0.59	25	
	Solar		1295	0	0	2.10	87	
	Renewable/Others (Total)		5411	128	157	8.66	361	
	Total Rajasthan		15497	2983	3120	78.00	3250	
	UP	Anpara TPS (3*210+2*500)		1630	457	479	11.30	471
		Obra TPS (2*50+2*94+5*200)		1194	432	254	7.30	304
		Paricha TPS (2*110+2*220+2*250)		1160	848	655	17.80	742
Panki TPS (2*105)		210	72	140	2.10	88		
Harduaganj TPS (1*60+1*105+2*250)		665	491	379	10.10	421		
Tanda TPS (NTPC) (4*110)		440	389	374	8.45	352		
Roza TPS (IPP) (4*300)		1200	1061	915	22.50	938		
Anpara-C (IPP) (2*600)		1200	1131	1027	24.40	1017		
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	204	169	4.30	179		
Anpara-D(2*500)		1000	673	907	18.30	763		
Lalitpur TPS(3*660)		1980	756	1139	22.90	954		
Bara(2*660)		1320	0	0	0.00	0		
Thermal (Total)		12449	6514	6438	149.45	6227		
Vishnuparyag HPS (IPP)(4*110)		440	435	435	9.94	414		
Alaknanada(4*82.5)		330	341	344	8.20	342		
Other Hydro		527	310	260	6.10	254		
Cogeneration		981	100	100	2.40	100		
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	7700	7577	176.09	7337		
Uttarakhand		Other Hydro		1250	839	716	16.40	683
	Total Gas		225	286	280	6.62	276	
	Wind Power		0	0	0	0.00	0	
	Biomass		127	0	0	0.00	0	
	Solar		20	0	0	0.35	15	
	Small Hydro (< 25 MW)		180	0	0	0.00	0	
	Renewable(Total)		327	0	0	0.35	15	
	Total Uttarakhand		1802	1125	996	23.37	974	
Delhi	Rajghat TPS (2*67.5)		135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)		282	69	69	1.74	72	
	Pragati Gas Turbine (2x104+ 1x122)		330	152	153	3.70	154	
	Rithala GPS (3*36)		95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)		1370	281	250	6.56	273	
	Badarpur TPS (NTPC) (3*95+2*210)		705	168	171	3.62	151	
	Thermal (Total)		2917	670	642	15.62	651	
	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	670	642	15.62	651		
HP	Baspa HPS (IPP) (3*100)		300	330	330	7.55	315	
	Malana HPS (IPP) (2*43)		86	105	105	2.52	105	
	Other Hydro (>25MW)		372	377	383	8.57	357	
	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	288	251	6.22	259	
	Renewable(Total)		486	288	251	6.22	259	
	Total HP		1244	1101	1069	24.86	1036	
	J & K	Baglihar HPS (IPP) (3*150+3*150)		900	883	885	21.21	884
		Other Hydro/IPP(including 98 MW Small Hydro)		308	202	200	4.81	201
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	1085	1085	26	1084		
Total State Control Area Generation			50738	17906	16717	411.67	17153	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]				9246	8449	200.88	8370	
Total Regional Availability(Gross)			76475	47021	41522	1015.52	42313	

IV. Total Hydro Generation:					
Regional Entities Hydro	12234	11165	8947	221.37	9224
State Control Area Hydro	7163	5087	4854	107.63	4775
Total Regional Hydro	19397	16252	13801	329.01	13999

V. Total Renewable Generation:					
Regional Entities Renewable	30	0	0	0.06	2
State Control Area Renewable	7356	416	408	15.51	646
Total Regional Renewable	7386	416	408	15.56	648

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	-500	0	500	0.00	11.88	-11.88
765 KV Gwalior-Agra (D/C)	2408	1836	2477	0	46.23	0.00	46.23
400 KV Zerda-Kankroli	-15	-52	93	166	0.00	1.51	-1.51
400 KV Zerda-Bhinmal	-77	-5	156	153	0.00	0.99	-0.99
220 KV Auraiya-Malanpur	33	12	0	32	0.31	0.00	0.31
220 KV Badod-Kota/Morak	106	98	181	0	2.46	0.00	2.46
Mundra-Mohindergarh(HVDC Bipole)	1498	1402	2007	0	34.01	0.00	34.01
400 KV RAPPC-Sujalpur	345	247	368	0	4.95	0.00	4.95
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1116	998	1571	0	28.16	0.00	28.16
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	1500	0	28.91	0	28.91
Sub Total WR	5914	5536			145.02	14.38	130.64
400 kV Sasaram - Varanasi	-137	-90	154	91	0.00	2.05	-2.05
400 kV Sasaram - Allahabad	-54	-99	115	120	0.00	0.20	-0.20
400 KV MZP- GKP (D/C)	451	440	557	0	10.77	0.00	10.77
400 KV Patna-Balia(D/C) X 2	663	437	728	0	12.80	0.00	12.80
400 KV B'Sharif-Balia (D/C)	294	187	300	0	4.95	0.00	4.95
765 KV Gaya-Balia	359	276	367	0	6.16	0.00	6.16
765 KV Gaya-Varanasi (D/C)	568	309	568	0	8.59	0.00	8.59
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-23	-36	0	38	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	86	159	152	178	0.48	0.00	0.48
400 KV Barh -GKP (D/C)	476	336	490	0	8.44	0.00	8.44
400 kV B'Sharif - Varanasi (D/C)	182	28	22	196	1.83	0.00	1.83
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2865	1947			54.03	2.79	51.24
+/- 800 KV HVDC BiswanathChariali-I-Agra	467	966	983	0.00	19.00	0.00	19.00
Sub Total NER	467	966			19.00	0.00	19.00
Total IR Exch	9246	8449			218.05	17.17	200.88

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
37.51	3.65	41.16	23.05	16.39	-7.32	-3.30	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
56.89	153.58	210.47	70.24	130.64	200.88	13.36	-22.95	-9.59

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	-9	-10	0	31	0	0	-0.44

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	3.19	50.33	84.88	11.46	1.10	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)	
50.16	13.04	49.83	18.05	50.00	0.024	0.049	50.09	49.90	15.12

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviate
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	403	0:00	403	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	15:48	392	20:17	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	17:05	384	11:54	0.0	0.0	0.0	0.0	0.0
Kanpur	400	422	6:30	400	20:12	0.0	0.0	3.1	0.0	3.1
Dadri	400	417	6:30	394	14:44	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	421	7:42	396	14:54	0.0	0.0	0.5	0.0	0.5
Bawana	400	416	7:39	394	14:28	0.0	0.0	0.0	0.0	0.0
Bassi	400	423	8:03	399	20:11	0.0	0.0	2.4	0.0	2.4
Hissar	400	415	7:43	391	20:13	0.0	0.0	0.0	0.0	0.0
Moga	400	414	2:02	395	13:41	2.5	2.5	0.0	0.0	2.5
Abdullapur	400	414	7:39	393	20:38	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	412	1:31	394	12:50	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	416	1:57	400	20:40	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	3:34	383	20:40	0.0	12.2	0.0	0.0	0.0
Amritsar	400	416	2:01	395	12:08	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	410	1:32	391	12:37	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	415	18:02	396	12:14	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)				Voltage Deviate
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	780	18:01	737	20:13	0.0	2.4	0.0	0.0	0.0
Balia	765	795	6:44	752	20:18	0.0	0.0	0.0	0.0	0.0
Moga	765	794	3:59	770	10:33	0.0	0.0	0.0	0.0	0.0
Agra	765	792	8:00	750	20:16	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	4:00	764	20:09	0.0	0.0	11.4	0.0	11.4
Unnao	765	781	6:30	739	20:12	0.0	3.4	0.0	0.0	0.0

Lucknow	765	795	6:30	752	20:18	0.0	0.0	0.0	0.0	0.0
Meerut	765	803	7:43	760	20:12	0.0	0.0	2.7	0.0	2.7
Jhatikara	765	791	6:48	758	12:50	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	801	16:00	757	20:13	0.0	0.0	0.1	0.0	0.1
Anta	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	802	8:02	763	20:09	0.0	0.0	1.5	0.0	1.5

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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	478.21	420.92	480.02	461.24	964.73	576.84
Pong	426.72	384.05	395.74	136.17	392.40	84.61	673.83	66.52
Tehri	829.79	740.04	749.35	46.40	756.20	91.11	353.67	173.00
Koteshwar	612.50	598.50	610.26	4.69	609.65	4.44	173.00	190.31
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	602.90	600.00
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	514.97	7.70	502.74	5.78	550.29	284.21

* 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	2131	18	0	1423	11	0	48.34	0.64	48.99
Delhi	999	-310	0	923	-201	0	23.07	-3.17	19.90
Haryana	995	177	0	995	86	0	19.75	2.89	22.64
HP	-1469	-240	0	-1291	-454	0	-30.21	-7.29	-37.50
J&K	-787	-493	0	-787	-227	0	-18.88	-6.63	-25.52
CHD	0	0	0	0	-50	0	0.00	-0.25	-0.25
Rajasthan	-207	436	0	-207	396	0	-4.97	10.17	5.20
UP	1615	0	0	1177	395	0	14.93	2.95	17.89
Uttarakhand	-268	-49	0	-268	73	0	-6.44	0.95	-5.49
Total	3009	-462	0	1965	29	0	45.59	0.25	45.84

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2212	1423	56	5	0	0
Delhi	1199	836	36	-482	0	0
Haryana	995	737	178	-141	0	0
HP	-1099	-1469	-207	-456	0	0
J&K	-787	-787	0	-493	0	0
CHD	0	0	0	-50	0	0
Rajasthan	-207	-207	436	394	0	0
UP	1615	82	487	-82	0	0
Uttarakhand	-268	-268	126	-149	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	5.21%

(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	15
Haryana	2	25
Rajasthan	2	18
Delhi	2	23
UP	0	11
Uttarakhand	3	42
HP	2	18
J & K	5	53
Chandigarh	5	31

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.07.2017 :

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 : 01.07.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER