

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO188682

Power Supply Position in Northern Region for 01.07.2018

Date of Reporting : 02.07.2018



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
50570	702	51273	49.98	50204	189	50393	49.98	1167.36	12.23

* Shortage furnished by the respective constituent & Others include UP Co-generation and JK Diesel

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	Gas/Naptha/ Diesel	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	60.90	17.56	0.00	4.16	0.00	2.66	85.27	141.15	140.69	-0.46	225.96	0.00
Haryana	27.81	0.81	0.00	0.09	0.00	0.65	29.35	148.13	149.18	1.05	178.53	0.61
Rajasthan	88.40	0.00	3.76	5.93	30.16	0.41	128.66	38.34	40.36	2.02	169.02	2.71
Delhi	6.73	0.00	14.53	0.00	0.00	0.00	21.26	92.76	91.94	-0.82	113.20	0.02
UP	172.92	18.26	0.00	1.81	0.00	2.40	195.38	178.57	177.89	-0.68	373.27	0.00
Uttarakhand	0.00	21.06	6.55	0.47	0.00	0.00	28.07	13.47	12.29	-1.19	40.35	0.00
HP	0.00	16.42	0.00	0.00	0.00	4.98	21.40	-0.70	2.63	3.33	24.03	0.00
J & K	0.00	25.11	0.00	0.00	0.00	0.00	25.11	19.57	12.20	-7.37	37.31	8.88
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.13	5.69	-0.44	5.69	0.00
Total	356.75	99.21	24.84	12.45	30.16	11.09	534.51	637.42	632.85	-4.57	1167.36	12.23

* 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				UI/OPX [OD]Import: (+ve), UI/Export: (-ve)		
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)	
Punjab	9605	0	55	2235	8533	0	79	2237	10004	17	0
Haryana	7489	0	-14	1484	7926	0	-44	2196	8212	1	93
Rajasthan	6840	0	-35	-1630	6945	0	10	-1471	8184	24	0
Delhi	4484	0	-110	494	5048	0	84	732	5759	24	0
UP	17260	260	-218	1859	17838	10	-73	2251	17838	3	10
Uttarakhand	1832	0	153	-112	1666	0	15	89	1870	21	0
HP	1044	0	80	-2031	992	0	238	-1822	1207	11	0
J&K	1769	442	-205	-656	1016	179	-516	-953	1909	21	477
Chandigarh	247	0	-29	-10	241	0	-22	0	295	23	0
Total	50570	702	-323	1633	50204	189	-228	3260	53318	24	257

* STOA figures are at sellers boundary & PX figures are at regional boundary.

figures may not be at simultaneous hour.

Diversity is 1.04

III. Regional Entities :

A. NTPC	Station/ Constituent	Inst. Capacity	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
		(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (6*200+2*500)	2000	1202	1318	1325	29.04	1210	28.11	0.93
	Rihand I STPS (2*500)	1000	923	998	1007	21.09	879	20.89	0.20
	Rihand II STPS (2*500)	1000	943	1001	992	21.87	911	21.73	0.14
	Rihand III STPS (2*500)	1000	943	1004	1000	20.60	858	20.05	0.55
	Dadri I STPS (4*210)	840	769	796	730	13.93	581	14.37	-0.44
	Dadri II STPS (2*490)	980	464	446	477	9.41	392	9.66	-0.25
	Unchahar I TPS (2*210)	420	382	343	389	7.10	296	7.33	-0.23
	Unchahar II TPS (2*210)	420	382	259	384	6.41	267	6.62	-0.21
	Unchahar III TPS (1*210)	210	191	156	179	3.32	138	3.41	-0.09
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjar) (3*500)	1500	510	758	253	11.19	466	10.94	0.25
	Dadri GPS (4*130.19+2*154.51)	830	0	113	115	2.91	121	3.02	-0.12
	Anta GPS (3*88.71+1*153.2)	419	0	0	0	0.00	0	0.00	0.00
	Auraya GPS (4*111.19+2*109.30)	663	0	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	1	0	0	0.02	1	0.02	0.00
	Singrauli Solar(15)	15	2	0	0	0.05	2	0.02	0.03
	KHEP(4*200)	800	872	587	808	16.37	682	16.00	0.37
	Sub Total (A)	12612	7584	7779	7659	163	6805	162	1.13
B. NPC	NAPS (2*220)	440	367	411	423	9.05	377	8.81	0.23
	RAPS- B (2*220)	440	357	392	396	8.50	354	8.57	-0.07
	RAPS- C (2*220)	440	410	448	449	9.68	403	9.78	-0.10
	Sub Total (B)	1320	1134	1251	1268	27.23	1134	27.16	0.07
C. NHPC	Chamera I HPS (3*180)	540	534	547	548	13.03	543	12.82	0.21
	Chamera II HPS (3*100)	300	297	306	304	7.23	301	7.12	0.11
	Chamera III HPS (3*77)	231	229	238	161	4.44	185	4.43	0.01
	Bairasul HPS(3*60)	180	120	179	143	3.02	126	2.89	0.13
	Salaj-HPS (6*115)	690	687	712	712	16.82	701	16.48	0.34
	Tanakpur-HPS (3*31.4)	94	88	94	94	2.25	94	2.12	0.13
	Un-I HPS (4*120)	480	457	476	355	11.16	465	10.97	0.19
	Un-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	278	284	280	6.67	278	6.66	0.01
	Dulhasi-HPS (3*130)	390	278	374	270	6.75	281	6.68	0.07
	Sewa-II HPS (3*40)	120	130	129	130	3.10	129	3.12	-0.02
	Parbati 3 (4*130)	520	114	510	0	2.80	117	2.75	0.05
	Kishanganga(3*110)	330	235	276	244	5.96	248	5.65	0.31
	Sub Total (C)	4395	3449	4126	3242	83	3467	82	1.52
D.SJVNL	NUPC (6*250)	1500	1605	1636	1634	38.79	1616	38.52	0.27
	Rampur HEP (6*68.67)	412	442	443	444	10.76	448	10.61	0.15
	Sub Total (D)	1912	2047	2079	2078	49.55	2064	49.13	0.42
E. THDC	Tehri HPS (4*250)	1000	528	529	265	4.80	200	4.70	0.10
	Koteswar HPS (4*100)	400	104	275	105	2.57	107	2.50	0.07
	Sub Total (E)	1400	632	804	370	7.37	307	7.20	0.17
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	692	1101	541	16.84	702	16.62	0.22
	Dehar HPS (6*165)	990	602	825	585	14.50	604	14.44	0.06
	Pong HPS (6*68)	386	124	192	141	3.04	127	2.97	0.07
	Sub Total (F)	2765	1418	2118	1267	34.38	1433	34.03	0.35
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	199	148	3.81	159	4.17	-0.36
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1100	1100	26.36	1098	26.08	0.28
	Malana Stg-II HPS (2*50)	100	0	106	91	2.33	97	2.18	0.15
	Shree Cement TPS (2*150)	300	0	94	73	1.88	78	1.94	-0.06
	Budhil HPS(IPP) (2*35)	70	0	74	74	1.78	74	1.45	0.33
	Sainj HPS (IPP) (2*50)	100	0					2.17	
	Sub Total (G)	1762	0	1574	1486	36.16	1507	35.82	0.34
H. Total Regional Entities (A-G)		26167	16263	19731	17370	401.22	16718	397.22	4.00

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	160	210	4.32	180
	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	367	462	8.14	339
	Goidndwal(GVK) (2*270)	540	246	145	4.76	198
	Rajpura (2*700)	1400	960	660	21.04	877
	Talwandi Saboo (3*660)	1980	924	924	22.65	944
	Thermal (Total)	6560	2657	2401	60.90	2538
	Total Hydro	1000	668	651	17.56	732
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	2.66	111
	Solar	859	0	0	4.16	173
	Renewable(Total)	1162	0	0	6.81	284
	Total Punjab	8722	3325	3052	85.27	3553
Haryana	Panipat TPS (2*210+2*250)	920	214	199	5.05	211
	DCRTPP (Yamuna nagar) (2*300)	600	497	484	11.60	483
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (kheadar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	557	514	11.15	465
	Thermal (Total)	4497	1268	1197	27.81	1159
	Total Hydro	62	25	26	0.81	34
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.65	27
	Solar	50	0	0	0.09	4
	Renewable(Total)	156	0	0	0.73	31
	Total Haryana	4715	1293	1223	29.35	1223
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	534	638	13.94	581
	suratgarh TPS (6*250)	1500	179	222	4.53	189
	Chabra TPS (4*250)	1000	758	892	19.14	798
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	0	0	0.24	10
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	146	140	3.52	147
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	103	109	2.36	98
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	480	839	14.85	619
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	410	580	10.87	453
	Kawai(Adani) (2*660)	1320	883	1054	22.72	947
	Thermal (Total)	9536	3493	4474	92.16	3840
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	1688	637	30.16	1257
	Biomass	102	17	17	0.41	17
	Solar	1995	20	0	5.93	247
	Renewable/Others (Total)	6389	1725	654	36.50	1521
	Total Rajasthan	16475	5218	5128	128.66	5361
UP	Anpara TPS (3*210+2*500)	1630	1429	1312	32.00	1333
	Obra TPS (2*50+2*94+5*200)	1194	358	346	7.36	307
	Paricha TPS (2*110+2*220+2*250)	1160	884	817	16.57	690
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	545	446	9.96	415
	Tanda TPS (NTPC) (4*110)	440	277	297	5.53	230
	Roza TPS (IPP) (4*300)	1200	1056	810	17.76	740
	Anpara-C (IPP) (2*600)	1200	538	546	10.73	447
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	392	61	5.28	220
	Anpara-D(2*500)	1000	956	956	22.03	918
	Lalitpur TPS(3*660)	1980	1013	1492	23.07	961
	Bara(3*660)	1980	1086	1086	22.64	943
	Thermal (Total)	13109	8534	8169	172.92	7205
	Vishnuparyag HPS (IPP)(4*110)	440	395	395	8.52	355
	Alaknanada(4*82.5)	330	346	342	8.21	342
	Other Hydro	527	48	97	1.53	64
	Cogeneration	1360	100	100	2.40	100
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
	Solar	472	0	0	1.81	75
	Renewable(Total)	498	0	0	1.81	75
	Total UP	16264	9423	9103	195.38	8141
Uttarakhand	Other Hydro	1250	866	928	21.06	877
	Total Gas	450	276	286	6.55	273
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.47	19
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.47	19
	Total Uttarakhand	2107	1142	1214	28.07	1170
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	66	67	1.78	74
	Pragati Gas Turbine (2x104+ 1x122)	330	268	260	6.49	270
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	251	6.27	261
	Badarpur TPS (NTPC) (3*95+2*210)	705	309	308	6.73	280
	Thermal (Total)	2917	894	886	21.26	886
	Wind Power	0	0	0	0.00	0
	Biomass	16	14	11	0.00	0
	Solar	2	0	0	0.00	0
	Renewable(Total)	18	14	11	0.00	0
	Total Delhi	2935	908	897	21.26	886

HP	Baspa HPS (IPP) (3*100)	300	330	330	7.92	330
	Malana HPS (IPP) (2*43)	86	89	86	2.05	85
	Other Hydro (>25MW)	372	247	340	6.44	269
	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	218	218	4.98	208
	Renewable(Total)	486	218	218	4.98	208
	Total HP	1244	883	974	21.40	892
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883
	Other Hydro/IPP(including 98 MW Small Hydro)	308	173	158	3.92	163
	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	1056	1041	25.11	1046
Total State Control Area Generation		53860	23248	22631	534.51	22271
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			11850	13127.69	254.97	10624
Total Regional Availability(Gross)		80027	54829	53129	1190.70	49612

IV. Total Hydro Generation:

Regional Entities Hydro	12564	11119	9104	225.16	9308
State Control Area Hydro	7468	4563	4740	99.21	4634
Total Regional Hydro	20032	15683	13844	324.38	13941

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.08	3
State Control Area Renewable	9214	1957	883	51.30	2138
Total Regional Renewable	9244	1957	883	51.39	2141

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)	-200	-200	0	200	0.00	4.83	-4.83
765 KV Gwalior-Agra (D/C)	2216	2260	2392	0	50.80	0.00	50.80
400 KV Zerda-Kankroli	-87	-78	0	265	0.00	3.44	-3.44
400 KV Zerda-Bhinmal	-101	-87	0	255	0.00	3.28	-3.28
220 KV Auraiya-Malanpur	42	55	56	0	0.97	0.00	0.97
220 KV Badod-Kota/Morak	56	97	165	0	2.31	0.00	2.31
Mundra-Mohindergarh(HVDC Bipole)	1199	1201	1703	0	29.82	0.00	29.82
400 KV RAPPC-Sujalpur	201	248	280	0	4.73	0.00	4.73
400 KV Vindhychal-Rihand	895	954	0	956	0.00	20.68	-20.68
765 kv Phagt-Gwalior (D/C)	620	1030	1187	0	20.41	0.00	20.41
+/- 800 KV HVDC Champa-Kurushetra	1650	1650	1650	0	38.07	0	38.07
765KV Orai-Jabalpur	941	1097	1230	0	22.60	0	22.60
765KV Orai-Satna	1642	1646	1847	0	38.54	0	38.54
765KV Orai-Gwalior	-285	-314	0	387	0.00	7	-7.01
Sub Total WR	8788	9560			208.25	39.24	169.00
400 kV Sasaram - Varanasi	254	241	258	0	5.73	0.00	5.73
400 kV Sasaram - Allahabad	117	128	158	0	3.31	0.00	3.31
400 KV MZP- GKP (D/C)	478	608	740	0	14.28	0.00	14.28
400 KV Patna-Balia(D/C) X 2	800	881	1047	0	20.42	0.00	20.42
400 KV B'Shanif-Balia (D/C)	242	295	389	0	7.61	0.00	7.61
765 KV Gaya-Balia	299	332	367	0	7.11	0.00	7.11
765 KV Gaya-Varanasi (D/C)	229	318	489	0	7.93	0.00	7.93
220 KV Pusauli-Sahupuri	151	163	173	0	3.65	0.00	3.65
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.56	-0.56
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.36	-0.36
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-179	-152	25	199	1.94	0.00	1.94
400 KV Mothari -GKP (D/C)	-218	-187	0	251	0.00	3.50	-3.50
400 kV B'Shanif - Varanasi (D/C)	-11	-59	204	35	2.69	0.00	2.69
+/- 800 KV HVDC Alipurduar-Agra	200	300	300	5	0.00	0.00	0.00
Sub Total ER	2362	2868			74.66	4.41	70.25
+/- 800 KV HVDC BiswanathChariaili-Agra	700	700	700	0.00	15.71	0.00	15.71
Sub Total NER	700	700			15.71	0.00	15.71
Total IR Exch	11850	13128			298.63	43.66	254.97

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
54.98	2.55	57.53	33.71	56.39	-24.32	-1.45	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
64.37	197.21	261.58	85.96	169.00	254.97	21.59	-28.21	-6.61

VIC). 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	-20	-15	0	23	0	0	-0.27

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	0.10	0.70	6.90	58.20	81.70	10.50	1.30	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)	
50.14	18.02	49.68	0.09	49.98	0.037	0.058	50.09	49.87	18.30

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	403	7:44	399	0:06	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	7:38	393	20:53	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	7:48	396	0:06	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	8:01	402	0:04	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	8:01	397	0:04	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	416	7:47	395	0:06	0.0	0.0	0.0	0.0	0.0
Bawana	400	412	8:02	394	0:06	0.0	0.0	0.0	0.0	0.0
Bassi	400	416	7:51	396	22:07	0.0	0.0	0.0	0.0	0.0
Hissar	400	408	7:51	390	0:09	0.0	0.0	0.0	0.0	0.0
Moga	400	405	8:01	395	0:05	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	407	8:01	395	0:08	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	404	5:43	398	0:07	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	409	4:00	400	20:16	0.0	0.0	0.0	0.0	0.0
Wagooora	400	401	0:21	388	9:33	0.0	8.5	0.0	0.0	0.0
Amritsar	400	405	4:02	397	14:27	0.0	0.0	0.0	0.0	0.0
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	401	4:05	394	14:53	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	8:03	391	0:06	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 Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	783	8:02	748	0:05	0.0	0.0	0.0	0.0	0.0
Balia	765	788	8:01	753	21:09	0.0	0.0	0.0	0.0	0.0
Moga	765	780	8:01	754	0:05	0.0	0.0	0.0	0.0	0.0
Agra	765	793	7:52	755	0:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	790	7:45	759	0:05	0.0	0.0	0.0	0.0	0.0
Unnao	765	774	8:01	740	21:56	0.0	1.3	0.0	0.0	0.0
Lucknow	765	795	8:01	757	0:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	781	0:00	781	0:00	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	790	8:01	752	0:05	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	802	7:51	764	0:07	0.0	0.0	1.1	0.0	1.1
Anta	765	788	8:03	763	0:07	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	8:03	767	20:42	0.0	0.0	0.0	0.0	0.0

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	455.57	86.44	478.21	420.92	1001.99	696.31
Pong	426.72	384.05	391.23	72.04	395.74	136.17	304.72	262.72
Tehri	829.79	740.04	747.30	35.65	749.45	46.92	320.52	167.00
Koteswar	612.50	598.50	610.10	4.69	610.26	4.69	167.00	169.46
Chamera-I	760.00	748.75	756.15	0.00	0.00	0.00	372.89	353.54
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	504.94	6.36	514.97	7.70	1106.72	206.52

* 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	2237	0	0	2235	0	0	53.67	0.00	53.67
Delhi	1056	-324	0	948	-454	0	24.68	-6.91	17.77
Haryana	2047	149	0	2078	-593	0	40.66	-1.93	38.73
HP	-1623	-199	0	-1768	-263	0	-38.37	-2.46	-40.83
J&K	-1145	193	0	-1146	490	0	-27.49	10.74	-16.75
CHD	0	0	0	0	-10	0	0.00	-0.13	-0.13
Rajasthan	-56	-1415	0	-56	-1574	0	-1.35	-23.19	-24.54
UP	2251	0	0	1859	0	0	46.61	0.00	46.61
Uttarakhand	-122	211	0	-256	143	0	-3.88	3.85	-0.03
Total	4645	-1385	0	3895	-2262	0	94.53	-20.03	74.50

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2237	2229	0	0	0	0
Delhi	1322	859	-65	-560	0	0
Haryana	2208	1421	150	-1096	0	0
HP	-1443	-1946	175	-263	0	0
J&K	-1145	-1147	691	158	0	0
CHD	0	0	0	-35	0	0
Rajasthan	-56	-57	15	-2033	0	0
UP	2259	1844	0	0	0	0
Uttarakhand	-122	-256	279	51	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	13
Haryana	1	14
Rajasthan	3	16
Delhi	6	50
UP	0	11
Uttarakhand	2	15
HP	3	24
J & K	3	16
Chandigarh	4	35

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.07.2018 :

XVI. Synchronisation of new generating units :

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

0.00

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 : 01.07.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER