

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO118682

Power Supply Position in Northern Region for 26.07.2018

Date of Reporting : 27.07.2018



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
46394	962	47357	49.80	43697	187	43883	50.05	1015.96	8.81

* 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	Gas/Naphtha/Diesel	Solar	Wind	Other (Biomass/Small hydro/Co-Generation etc.)	Total					
Punjab	51.92	12.95	0.00	4.49	0.00	1.75	71.12	123.50	122.07	-1.43	193.19	0.00
Haryana	19.83	0.19	0.00	0.04	0.00	0.44	20.50	130.05	127.83	-2.22	148.33	0.00
Rajasthan	71.41	0.00	3.22	4.97	51.50	0.30	131.39	40.17	40.30	0.13	171.69	0.00
Delhi	6.56	0.00	15.01	0.00	0.00	0.00	21.57	86.47	83.32	-3.15	104.88	0.00
UP	130.47	12.20	0.00	0.70	0.00	2.40	145.77	150.30	145.14	-5.16	290.91	0.00
Uttarakhand	0.00	10.09	0.00	0.26	0.00	0.00	10.35	29.64	30.06	0.42	40.40	0.00
HP	0.00	17.70	0.00	0.00	0.00	7.43	25.13	-3.30	-1.10	2.20	24.03	0.00
J & K	0.00	25.59	0.00	0.00	0.00	0.00	25.59	18.12	11.38	-6.74	36.97	8.81
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.15	5.56	-0.60	5.56	0.00
Total	280.18	78.72	18.23	10.47	51.50	12.31	451.41	581.10	564.55	-16.55	1015.96	8.81

* 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	8403	0	69	2150	7057	0	-287	2202	8769	17	0
Haryana	7171	0	-77	2253	7127	0	16	2496	7542	1	0
Rajasthan	7327	0	56	522	7081	0	-97	-495	7925	23	0
Delhi	4492	0	-100	-542	4716	0	-22	939	5307	1	0
UP	13913	480	233	1552	14008	0	-275	2174	15309	1	0
Uttarakhand	1885	0	121	540	1582	0	-56	429	1885	20	0
HP	1039	3	175	-1995	849	0	79	-1908	1133	21	0
J&K	1920	480	-60	-677	1057	187	-365	-815	2046	21	511
Chandigarh	244	0	-58	-20	220	0	-20	-35	257	16	0
Total	46394	962	359	3823	43697	187	-1028	4987	47567	21	511

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

III. Regional Entities :

Entity	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 (6*200+2*500)	2000	1217	1341	863	23.63	985	22.52	1.11
	Rihand I STPS (2*500)	1000	923	983	598	17.43	726	16.66	0.77
	Rihand II STPS (2*500)	1000	943	969	644	17.47	728	16.40	1.07
	Rihand III STPS (2*500)	1000	943	988	713	17.25	719	16.03	1.22
	Dadri I STPS (4*210)	840	576	595	337	8.39	349	8.52	-0.13
	Dadri II STPS (2*490)	980	929	798	606	14.14	589	13.07	1.07
	Unchahar I TPS (2*210)	420	382	343	248	5.78	241	5.54	0.24
	Unchahar II TPS (2*210)	420	191	107	138	2.57	107	2.82	-0.25
	Unchahar III TPS (1*210)	210	191	162	116	2.76	115	2.90	-0.14
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjar) (3*500)	1500	1421	955	869	17.11	713	15.85	1.26
	Dadri GPS (4*130.19+2*154.51)	830	0	0	0	0.00	0	0.00	0.00
	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	92	75	2.09	87	2.32	-0.23
	Dadri Solar(5)	5	0	0	0	0.00	0	0.01	-0.01
	Unchahar Solar(10)	10	1	0	0	0.01	0	0.02	-0.01
	Singrauli Solar(15)	15	1	0	0	0.03	1	0.02	0.01
KHEP(4*200)	800	872	868	850	20.87	870	20.93	-0.06	
Sub Total (A)	12612	8589	8201	6057	150	6230	144	5.91	
B. NPC	NAPS (2*220)	440	374	420	416	9.20	383	8.98	0.22
	RAPS- B (2*220)	440	355	400	402	8.59	358	8.52	0.07
	RAPS- C (2*220)	440	410	450	450	9.68	403	9.78	-0.10
	Sub Total (B)	1320	1139	1270	1268	27.47	1145	27.28	0.19
C. NHPC	Chamera I HPS (3*180)	540	534	542	542	13.02	542	12.80	0.22
	Chamera II HPS (3*100)	300	62	293	0	1.51	63	1.49	0.02
	Chamera III HPS (3*77)	231	51	229	0	1.35	56	1.22	0.13
	Bairasul HPS(3*60)	180	46	61	52	0.11	5	1.10	-0.99
	Salaj-HPS (6*115)	690	683	696	700	16.75	698	16.39	0.36
	Tanakpur-HPS (3*31.4)	94	63	69	94	1.63	68	1.51	0.12
	Uri-I HPS (4*120)	480	475	478	477	11.50	479	11.39	0.11
	Uri-II HPS (4*60)	240	240	242	242	5.77	241	5.77	0.00
	Dhauliganga-HPS (4*70)	280	85	0	271	2.02	84	2.04	-0.02
	Dulhasti-HPS (3*130)	390	260	267	263	6.14	256	6.17	-0.03
	Sewa-II HPS (3*40)	120	120	121	112	1.65	69	1.62	0.03
	Parbati 3 (4*130)	520	373	512	320	9.03	376	8.94	0.09
	Kishanganga(3*110)	330	116	138	142	2.94	123	2.78	0.16
	Sub Total (C)	4395	3107	3649	3215	73	3059	73	0.20
D.SJVNL	NJPC (6*250)	1500	1605	1619	1589	38.28	1595	38.52	-0.24
	Rampur HEP (6*68.67)	412	434	448	446	10.53	439	10.41	0.12
	Sub Total (D)	1912	2039	2067	2035	48.81	2034	48.93	-0.12
E. THDC	Tehri HPS (4*250)	1000	826	831	876	8.21	342	8.17	0.04
	Koteswar HPS (4*100)	400	138	401	205	3.36	140	3.32	0.04
	Sub Total (E)	1400	965	1232	781	11.57	482	11.49	0.08
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	556	927	500	13.56	565	13.34	0.22
	Dehar HPS (6*165)	990	603	825	495	14.61	609	14.47	0.14
	Pong HPS (6*68)	396	57	106	106	1.49	62	1.36	0.13
	Sub Total (F)	2765	1216	1858	1101	29.66	1236	29.17	0.49
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	230	230	5.50	229	5.02	0.48
	Karoram Wangtoo HPS(IPP) (4*250)	1000	0	1000	1100	26.17	1090	26.08	0.09
	Malana Sta-II HPS (2*50)	100	0	113	113	2.68	112	2.34	0.34
	Shree Cement TPS (2*150)	300	0	0	0	3.45	144	2.71	0.74
	Budhil HPS(IPP) (2*35)	70	0	74	74	1.73	72	1.65	0.08
	Sani HPS (IPP) (2*50)	100	0	0	0	0.00	0	2.61	0.00
	Sub Total (G)	1762	0	1417	1517	39.52	1647	37.80	1.72
H. Total Regional Entities (A-G)	26167	17054	19694	15974	379.97	15832	371.50	8.47	

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	160	3.58	149
	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	172	170	3.66	152
	Goidwal(GVK) (2*270)	540	145	145	4.38	183
	Rajpura (2*700)	1400	660	660	17.74	739
	Talwandi Saboo (3*660)	1980	924	924	22.59	941
	Thermal (Total)	6560	2061	2059	51.92	2164
	Total Hydro	1000	447	583	12.95	540
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	1.75	73
	Solar	859	0	0	4.49	187
	Renewable(Total)	1162	0	0	6.24	260
	Total Punjab	8722	2508	2642	71.12	2963
	Haryana	Panipat TPS (2*210+2*250)	920	0	399	3.38
DCRTPP (Yamuna nagar) (2*300)		600	231	469	7.46	311
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (kharda) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	400	373	8.99	375
Thermal (Total)		4497	631	1241	19.83	826
Total Hydro		62	0	23	0.19	8
Wind Power		0	0	0	0.00	0
Biomass		106	0	0	0.44	18
Solar		50	0	0	0.04	2
Renewable(Total)		156	0	0	0.48	20
Total Haryana		4715	631	1264	20.50	854
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	143	218	4.48
	suratgarh TPS (6*250)	1500	181	178	4.13	172
	Chabra TPS (4*250)	1000	792	806	18.39	766
	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	131	131	3.22	134
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	98	101	2.24	93
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	730	425	12.02	501
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	413	9.77	407
	Kawai(Adani) (2*660)	1320	906	824	20.38	849
	Thermal (Total)	9536	3390	3096	74.62	3109
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	1983	2177	51.50	2146
	Biomass	102	12	12	0.30	12
	Solar	1995	17	0	4.97	207
	Renewable/Others (Total)	6389	2012	2189	56.77	2365
	Total Rajasthan	16475	5402	5285	131.39	5475
	UP	Anpara TPS (3*210+2*500)	1630	1144	818	23.40
Obra TPS (2*50+2*94+5*200)		1194	303	302	7.40	308
Paricha TPS (2*110+2*220+2*250)		1160	480	457	11.40	475
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	258	309	6.70	279
Tanda TPS (NTPC) (4*110)		440	155	160	3.87	161
Roza TPS (IPP) (4*300)		1200	0	419	4.70	196
Anpara-C (IPP) (2*600)		1200	1082	606	17.20	717
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	223	2.10	88
Anpara-D(2*500)		1000	943	798	16.70	696
Lalitpur TPS(3*660)		1980	702	1024	20.60	858
Bara(3*660)		1980	675	686	16.40	683
Thermal (Total)		13109	5742	5802	130.47	5436
Vishnupurayag HPS (IPP)(4*110)		440	395	395	6.40	267
Alakananda(4*82.5)		330	248	346	5.40	225
Other Hydro		527	24	47	0.40	17
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	0.70	29	
Renewable(Total)	498	0	0	0.70	29	
Total UP	16264	6509	6690	145.77	6074	
Uttarakhand	Other Hydro	1250	366	659	10.09	420
	Total Gas	450	0	0	0.00	0
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.26	11
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.26	11
Total Uttarakhand	2107	366	659	10.35	431	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	69	138	2.52	105
	Pragati Gas Turbine (2x104+ 1x122)	330	260	261	6.37	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	263	280	6.12	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	298	307	6.56	273
	Thermal (Total)	2917	890	986	21.57	899
	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	890	986	21.57	899	

HP	Baspa HPS (IPP) (3*100)	300	331	331	7.92	330	
	Malana HPS (IPP) (2*43)	86	106	107	2.55	106	
	Other Hydro (>25MW)	372	237	321	7.22	301	
	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	160	297	7.43	309	
	Renewable(Total)	486	160	297	7.43	309	
	Total HP	1244	834	1055	25.13	1047	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	883	882	21.17	882
		Other Hydro/IPP(Including 98 MW Small Hydro)	308	191	190	4.42	184
Gas/Diesel/Others		0	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		1208	1074	1072	25.59	1066	
Total State Control Area Generation		53670	18214	19653	451.41	18809	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		14133	10907.63	210.66	8777		
Total Regional Availability(Gross)	79837	52042	46535	1042.04	43418		

IV. Total Hydro Generation:

Regional Entities Hydro	12564	11017	9425	220.41	9112
State Control Area Hydro	7468	3388	4180	78.72	3600
Total Regional Hydro	20032	14405	13605	299.13	12712

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.04	2
State Control Area Renewable	9214	2172	2486	71.88	2995
Total Regional Renewable	9244	2172	2486	71.92	2997

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

Element	Peak(20:00 Hrs) MW	Diff Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-250	-150	0	250	0.00	5.70	-5.70
765 KV Gwalior-Agra (D/C)	2481	1764	2481	0	45.26	0.00	45.26
400 KV Zerdha-Kankroli	83	-99	83	164	0.00	0.58	-0.58
400 KV Zerdha-Bhinmal	15	-155	70	212	0.00	1.50	-1.50
220 KV Auraiya-Malanpur	49	42	0	19	0.90	0.00	0.90
220 KV Badod-Kota/Morak	122	115	184	0	3.10	0.00	3.10
Mundra-Mohindergarhi(HVDC Bipole)	1201	1201	1603	0	19.76	0.00	19.76
400 KV RAPPCC-Sujalpur	153	40	235	-114	1.83	0.00	1.83
400 KV Vindhychal-Rihand	942	673	0	955	0.00	17.49	-17.49
765 KV Phagt-Gwalior (D/C)	1224	814	1224	0	22.06	0.00	22.06
+/- 800 KV HVDC Champa-Kurushetra	2500	1000	2000	0	22.08	0	22.08
765KV Orai-Jabalpur	816	799	1057	0	18.70	0	18.70
765KV Orai-Satna	1564	1342	1663	0	32.21	0	32.21
765KV Orai-Gwalior	566	235	0	566	0.00	9	-8.52
Sub Total WR	11465	7622			165.91	33.78	132.12
400 kV Sasaram - Varanasi	136	97	136	0	3.93	0.00	3.93
400 kV Sasaram - Allahabad	8	45	55	0	0.84	0.00	0.84
400 KV MZP- GKP (D/C)	532	605	764	0	13.52	0.00	13.52
400 KV Patna-Balia(D/C) X 2	570	572	0	761	15.49	0.00	15.49
400 KV B Sharif-Balia (D/C)	224	330	0	382	7.54	0.00	7.54
765 KV Gaya-Balia	305	290	0	343	6.61	0.00	6.61
765 KV Gaya-Varanasi (D/C)	163	305	427	0	6.63	0.00	6.63
220 KV Pusaui-Sahupuri	144	131	144	0	3.22	0.00	3.22
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.00	0.00
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-178	-79	43	187	0.00	1.34	-1.34
400 KV Mothari -GKP (D/C)	-205	-75	0	241	0.00	3.40	-3.40
400 kV B Sharif - Varanasi (D/C)	19	165	240	19	3.52	0.00	3.52
+/- 800 KV HVDC Alipurduar-Agra	500	400	600	0	9.80	0.00	9.80
Sub Total ER	2218	2786			72.06	4.74	67.32
+/- 800 KV HVDC Biswanath Chariali-Agra	450	500	500	0.00	11.21	0.00	11.21
Sub Total NER	450	500			11.21	0.00	11.21
Total IR Exch	14133	10908			249.17	38.52	210.66

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
33.10	3.75	36.85	31.22	59.90	-3.56	1.84	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
60.76	175.80	236.56	78.53	132.12	210.66	17.77	-43.68	-25.90

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

Element	Peak(20:00 Hrs) MW	Diff Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-19	0	0	23	0	0	-0.28

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	0.80	4.80	44.70	74.60	19.50	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)	
50.14	13.07	49.75	14.53	50.00	0.033	0.057	0.00	0.00	25.40

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	404	4:01	400	0:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	16:01	394	19:19	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	412	16:02	382	5:43	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	16:03	402	0:38	0.0	0.0	0.0	0.0	0.0
Dadri	400	411	7:01	398	22:29	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	411	7:04	396	22:14	0.0	0.0	0.0	0.0	0.0
Bawana	400	409	16:02	397	0:17	0.0	0.0	0.0	0.0	0.0
Bassi	400	417	16:02	399	22:17	0.0	0.0	0.0	0.0	0.0
Hissar	400	407	16:04	394	0:07	0.0	0.0	0.0	0.0	0.0
Moga	400	403	9:41	393	0:17	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	408	8:01	398	0:12	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	408	8:06	402	0:14	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	407	13:06	400	21:16	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	4:44	388	20:28	0.0	0.0	0.0	0.0	0.0
Amritsar	400	405	8:01	396	0:03	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	405	8:30	398	0:03	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	404	4:06	391	23:15	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	778	16:04	751	0:38	0.0	0.0	0.0	0.0	0.0
Balia	765	790	16:02	756	19:19	0.0	0.0	0.0	0.0	0.0
Moga	765	784	10:01	756	0:17	0.0	0.0	0.0	0.0	0.0
Agra	765	791	16:02	760	22:32	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	792	16:00	767	0:11	0.0	0.0	0.0	0.0	0.0
Unnao	765	771	16:04	741	22:30	0.0	0.7	0.0	0.0	0.0
Lucknow	765	794	16:02	758	23:07	0.0	0.0	0.0	0.0	0.0
Meerut	765	798	16:02	767	23:38	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	792	16:02	759	22:21	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	789	16:02	754	23:08	0.0	0.0	0.0	0.0	0.0
Anta	765	795	4:12	775	22:20	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	15:57	770	21:47	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	471.60	293.05	492.65	817.99	1886.95	456.16
Pong	426.72	384.05	396.97	157.28	407.93	425.81	1937.61	115.93
Tehri	829.79	740.04	785.90	397.20	791.30	472.56	902.79	220.00
Koteswar	612.50	598.50	610.72	4.93	610.05	4.59	220.00	221.64
Chamera-I	760.00	748.75	757.49	0.00	0.00	0.00	568.26	353.12
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	508.64	4.80	521.32	10.82	354.33	260.29

* 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	2202	0	0	2200	-50	0	52.83	-0.10	52.73
Delhi	1080	-141	0	952	-411	0	22.96	-3.35	19.61
Haryana	2336	160	0	2250	3	0	47.36	2.13	49.49
HP	-1635	-272	0	-1666	-329	0	-36.97	-6.33	-43.30
J&K	-1150	336	0	-1151	474	0	-27.61	11.48	-16.13
CHD	0	-35	0	0	-20	0	0.00	0.04	0.04
Rajasthan	-37	-458	0	-139	-383	0	-1.85	-13.79	-15.64
UP	2135	39	0	1772	-220	0	44.24	-0.45	43.79
Uttarakhand	-121	550	0	-255	795	0	-3.70	15.36	11.66
Total	4808	179	0	3963	-141	0	97.26	4.99	102.25

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2202	2194	0	-50	0	0
Delhi	1247	605	30	-499	0	0
Haryana	2380	1592	160	-308	0	0
HP	-1432	-1869	-213	-329	0	0
J&K	-1150	-1152	790	109	0	0
CHD	0	0	49	-35	0	0
Rajasthan	-37	-344	36	-1340	0	0
UP	2170	1705	39	-344	0	0
Uttarakhand	-121	-255	818	536	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	25
Haryana	3	14
Rajasthan	1	13
Delhi	7	96
UP	3	44
Uttarakhand	2	27
HP	3	16
J & K	4	45
Chandigarh	2	19

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.07.2018 :

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 : 26.07.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER