

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.07.2018

Date of Reporting : 25.07.2018



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
54053	685	54738	49.80	49224	198	49421	50.05	1213.14	9.92

* 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	73.79	17.81	0.00	4.49	0.00	1.75	97.83	139.92	140.22	0.30	238.05	0.00
Haryana	29.27	0.79	0.00	0.13	0.00	0.48	30.68	149.73	152.29	2.56	182.97	0.33
Rajasthan	75.59	0.16	3.13	4.34	20.62	0.18	104.02	64.55	66.33	1.78	170.35	0.00
Delhi	6.79	0.00	16.92	0.00	0.00	0.00	23.72	97.73	96.48	-1.25	120.20	0.00
UP	178.96	19.89	0.00	0.98	0.00	2.40	202.23	181.59	182.15	0.56	384.38	0.00
Uttarakhand	0.00	14.49	0.00	0.60	0.00	0.00	15.09	28.19	29.75	1.56	44.84	0.19
HP	0.00	19.05	0.00	0.00	0.00	7.47	26.53	-2.06	0.67	2.73	27.19	0.00
J & K	0.00	25.59	0.00	0.00	0.00	0.00	25.59	16.72	13.70	-3.02	39.28	9.40
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.45	5.88	-0.57	5.88	0.00
Total	364.40	97.78	20.05	10.55	20.62	12.28	525.67	682.82	687.47	4.65	1213.14	9.92

* 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	10382	0	-25	2200	8710	0	-52	2201	10719	22	0
Haryana	8359	0	257	2257	7418	0	179	2496	8793	22	0
Rajasthan	7330	0	-13	-377	6856	0	177	-48	7829	21	0
Delhi	5172	0	-67	762	4782	0	-4	833	5990	24	0
UP	17620	210	8	1945	17355	0	-88	2310	18544	1	100
Uttarakhand	1883	0	10	499	1820	0	127	401	2001	22	0
HP	1130	0	146	-2011	968	0	92	-1909	1268	10	0
J&K	1900	475	64	-677	1120	198	-285	-1052	2089	11	522
Chandigarh	278	0	-28	0	195	0	-29	-20	303	15	0
Total	54053	685	352	4598	49224	198	116	5212	55622	21	966

* 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 (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI (Net MU)	
									Net MU	Net MU
A. NTPC	Singrauli STPS (6*200+2*500)	2000	1218	1344	1332	29.68	1236	29.13	0.55	
	Rihand I STPS (2*500)	1000	923	1020	967	21.69	904	21.88	-0.20	
	Rihand II STPS (2*500)	1000	887	997	791	20.39	850	21.07	-0.68	
	Rihand III STPS (2*500)	1000	943	991	983	21.68	903	21.48	0.20	
	Dadri I STPS (4*210)	840	576	545	315	9.84	410	10.04	-0.20	
	Dadri II STPS (2*490)	980	929	939	564	16.94	706	16.42	0.52	
	Unchahar I TPS (2*210)	420	382	352	318	7.12	297	7.47	-0.35	
	Unchahar II TPS (2*210)	420	191	123	106	2.70	112	3.42	-0.73	
	Unchahar III TPS (1*210)	210	191	190	119	3.40	142	3.40	0.00	
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
	ISTPP (Jhajjar) (3*500)	1500	1421	953	673	16.61	692	16.18	0.43	
	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	113	13	2.37	99	2.45	-0.08	
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00	
	Unchahar Solar(10)	10	1	0	0	0.00	0	0.03	-0.03	
	Singrauli Solar(15)	15	1	0	0	0.02	1	0.03	-0.01	
	KHEP(4*200)	800	872	866	866	20.90	871	20.93	-0.03	
	Sub Total (A)	12612	8535	8433	7047	173	7222	174	-0.61	
	B. NPC	NAPS (2*220)	440	374	417	421	9.13	381	8.98	0.15
RAPS- B (2*220)		440	354	399	400	8.54	356	8.50	0.04	
RAPS- C (2*220)		440	420	450	452	9.68	403	9.78	-0.10	
Sub Total (B)		1320	1148	1266	1273	27.35	1140	27.26	0.09	
C. NHPC	Chamera I HPS (3*180)	540	534	541	540	12.94	539	12.80	0.14	
	Chamera II HPS (3*100)	300	297	308	301	7.23	301	7.12	0.11	
	Chamera III HPS (3*77)	231	229	237	237	5.63	235	5.50	0.13	
	Bairasul HPS(3*60)	180	10	60	0	2.54	106	0.22	2.32	
	Salaj-HPS (6*115)	690	683	700	698	16.80	700	16.39	0.41	
	Tanakpur-HPS (3*31.4)	94	86	94	89	2.22	92	2.07	0.15	
	Uri-I HPS (4*120)	480	474	477	474	11.43	476	11.38	0.05	
	Uri-II HPS (4*60)	240	239	242	242	5.76	240	5.74	0.02	
	Dhauliganga-HPS (4*70)	280	278	291	285	6.79	283	6.64	0.15	
	Dulhasti-HPS (3*130)	390	256	253	268	6.18	257	6.13	0.05	
	Sewa-II HPS (3*40)	120	124	125	119	2.45	102	2.40	0.05	
	Parbati 3 (4*130)	520	295	516	117	7.16	298	7.09	0.07	
	Kishanganga(3*110)	330	146	192	147	3.71	154	3.50	0.21	
	Sub Total (C)	4395	3652	4036	3516	91	3784	87	3.85	
	D.SJVNL	NJPC (6*250)	1500	1605	1634	1619	38.63	1609	38.52	0.11
Rampur HEP (6*68.67)		412	442	444	445	10.79	450	10.61	0.18	
Sub Total (D)		1912	2047	2078	2064	49.42	2059	49.13	0.29	
E. THDC	Tehri HPS (4*250)	1000	586	600	176	6.15	256	6.18	-0.03	
	Koteswar HPS (4*100)	400	98	203	91	2.36	98	2.34	0.02	
	Sub Total (E)	1400	683	803	267	8.51	354	8.52	-0.01	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	657	1042	487	15.91	663	15.76	0.15	
	Dehar HPS (6*165)	990	598	825	420	14.50	604	14.35	0.15	
	Pong HPS (6*68)	396	141	204	102	3.47	145	3.30	0.08	
	Sub Total (F)	2765	1396	2071	1009	33.88	1412	33.50	0.38	
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	230	161	5.18	216	3.84	1.34	
	Karcharm Wangtoo HPS(IPP) (4*250)	1000	0	1100	1100	26.01	1084	25.53	0.48	
	Malana Sta-II HPS (2*50)	100	0	113	113	2.68	112	2.34	0.34	
	Shree Cement TPS (2*150)	300	0	239	138	3.45	144	4.63	-1.18	
	Budhil HPS(IPP) (2*35)	70	0	76	76	1.80	75	1.65	0.15	
	Sani HPS (IPP) (2*50)	100	0					2.61		
	Sub Total (G)	1762	0	1758	1588	39.12	1630	37.99	1.13	
H. Total Regional Entities (A-G)	26167	17461	20445	16764	422.44	17601	417.33	5.11		

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	210	160	4.02	168	
	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	173	172	3.92	163	
	Goindwal(GVK) (2*270)	540	246	246	5.50	229	
	Rajpura (2*700)	1400	1320	720	27.48	1145	
	Talwandi Saboo (3*660)	1980	1670	924	32.89	1370	
	Thermal (Total)	6560	3619	2222	73.79	3074	
	Total Hydro	1000	728	708	17.81	742	
	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	4347	2930	97.83	4076	
	Haryana	Panipat TPS (2*210+2*250)	920	227	200	5.79	241
DCRTPP (Yamuna nagar) (2*300)		600	535	474	11.77	491	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (kherda) (IPP) (2*600)		1200	0	0	0.00	0	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	585	373	11.71	488	
Thermal (Total)		4497	1347	1047	29.27	1220	
Total Hydro		62	12	27	0.79	33	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	0.48	20	
Solar		50	0	0	0.13	6	
Renewable(Total)		156	0	0	0.62	26	
Total Haryana		4715	1359	1074	30.68	1278	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	259	79	2.70	112
	suratgarh TPS (6*250)	1500	196	179	4.22	176	
	Chabra TPS (4*250)	1000	913	803	19.15	798	
	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	128	130	3.13	130	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	102	101	2.29	95	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	839	811	16.06	669	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	473	403	9.94	414	
	Kawai(Adani) (2*660)	1320	1152	863	21.23	885	
	Thermal (Total)	9536	4062	3369	78.71	3280	
	Total Hydro	550	33	0	0.16	7	
	Wind power	4292	862	486	20.62	859	
	Biomass	102	7	7	0.18	7	
	Solar	1995	15	0	4.34	181	
	Renewable/Others (Total)	6389	884	493	25.14	1047	
	Total Rajasthan	16475	4979	3862	104.02	4334	
	UP	Anpara TPS (3*210+2*500)	1630	1292	1292	29.75	1240
		Obra TPS (2*50+2*94+5*200)	1194	535	497	10.15	423
		Panicha TPS (2*110+2*220+2*250)	1160	796	811	15.28	637
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	505	508	10.10	421	
Tanda TPS (NTPC) (4*110)		440	254	260	5.21	217	
Roza TPS (IPP) (4*300)		1200	460	441	11.51	479	
Anpara-C (IPP) (2*600)		1200	1105	1087	23.14	964	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	223	223	5.38	224	
Anpara-D(2*500)		1000	946	946	21.81	909	
Lalitpur TPS(3*660)		1980	1855	1562	31.52	1313	
Bara(3*660)		1980	944	487	15.13	630	
Thermal (Total)		13109	8915	8114	178.96	7457	
Vishnupurayag HPS (IPP)(4*110)		440	395	395	9.35	389	
Alakananda(4*82.5)		330	347	346	8.25	344	
Other Hydro		527	35	305	2.29	95	
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	0.98	41		
Renewable(Total)	498	0	0	0.98	41		
Total UP	16264	9792	9260	202.23	8426		
Uttarakhand	Other Hydro	1250	525	637	14.49	604	
	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	0.60	25	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.60	25	
	Total Uttarakhand	2107	525	637	15.09	629	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	130	105	2.83	118	
	Pragati Gas Turbine (2x104+ 1x122)	330	263	261	6.29	262	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	477	263	7.80	325	
	Badarpur TPS (NTPC) (3*95+2*210)	705	313	310	6.79	283	
	Thermal (Total)	2917	1183	939	23.72	988	
	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	1183	939	23.72	988		

HP	Baspa HPS (IPP) (3*100)	300	330	330	7.92	330	
	Malana HPS (IPP) (2*43)	86	105	107	2.51	105	
	Other Hydro (>25MW)	372	326	411	8.62	359	
	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	297	311	7.47	311	
	Renewable(Total)	486	297	311	7.47	311	
	Total HP	1244	1058	1159	26.53	1105	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	882	882	21.17	882
		Other Hydro/IPP(Including 98 MW Small Hydro)	308	191	191	4.42	184
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	1073	1073	25.59	1066	
Total State Control Area Generation		53860	24316	20934	525.67	21903	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		13949	13739.01	289.90	12079		
Total Regional Availability(Gross)		80027	58709	51437	1238.01	51584	

IV. Total Hydro Generation:

Regional Entities Hydro	12564	11297	9096	239.20	9892
State Control Area Hydro	7468	4206	4650	97.78	4410
Total Regional Hydro	20032	15503	13746	336.97	14302

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.04	1
State Control Area Renewable	9214	1181	804	41.05	1710
Total Regional Renewable	9244	1181	804	41.08	1712

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)	-45	0	45	0	0.54	0.00	0.54
765 KV Gwalior-Agra (D/C)	2198	2071	2378	0	48.76	0.00	48.76
400 KV Zerdha-Kankroli	126	10	155	66	1.32	0.00	1.32
400 KV Zerdha-Bhinmal	106	26	141	105	1.19	0.00	1.19
220 KV Auraiya-Malanpur	24	34	0	40	0.54	0.00	0.54
220 KV Badod-Kota/Morak	132	139	172	0	1.83	0.00	1.83
Mundra-Mohindergarh(HVDC Bipole)	1199	1198	1204	0	29.05	0.00	29.05
400 KV RAPPK-Sujalpur	190	210	350	0	4.88	0.00	4.88
400 KV Vindhychal-Rihand	940	938	0	485	0.00	21.83	-21.83
765 kv Phagt-Gwalior (D/C)	992	1215	1361	0	27.66	0.00	27.66
+/- 800 KV HVDC Champa-Kurushetra	2500	2000	2000	0	46.14	0	46.14
765KV Orai-Jabalpur	1043	1072	1222	0	25.01	0	25.01
765KV Orai-Satna	1649	1550	1681	0	37.41	0	37.41
765KV Orai-Gwalior	308	348	0	369	0.00	8	-7.69
Sub Total WR	11363	10812			224.34	29.51	194.83
400 kV Sasaram - Varanasi	122	97	122	0	2.28	0.00	2.28
400 kV Sasaram - Allahabad	21	49	72	0	1.24	0.00	1.24
400 KV MZP- GKP (D/C)	622	690	842	0	16.48	0.00	16.48
400 KV Patna-Balia(D/C) X 2	693	882	0	962	20.08	0.00	20.08
400 KV B Sharif-Balia (D/C)	263	341	0	391	7.97	0.00	7.97
765 KV Gaya-Balia	351	339	0	371	7.44	0.00	7.44
765 KV Gaya-Varanasi (D/C)	-314	-409	532	0	9.60	0.00	9.60
220 KV Pusaui-Sahupuri	145	128	145	0	3.18	0.00	3.18
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	0.46	-0.46
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-132	-26	86	133	0.00	0.19	-0.19
400 KV Mothari -GKP (D/C)	-240	-186	0	269	0.00	4.72	-4.72
400 kV B Sharif - Varanasi (D/C)	-45	-178	272	0	4.24	0.00	4.24
+/- 800 KV HVDC Alipurduar-Agra	600	600	600	0	14.13	0.00	14.13
Sub Total ER	2086	2327			87.60	5.36	82.24
+/- 800 KV HVDC Biswanath Chariali-Agra	500	600	600	0.00	12.84	0.00	12.84
Sub Total NER	500	600			12.84	0.00	12.84
Total IR Exch	13949	13739			324.78	34.88	289.90

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
44.50	3.71	48.21	34.19	62.63	0.75	5.16	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
79.44	210.36	289.80	95.07	194.83	289.90	15.63	-15.53	0.10

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	-17	-19	0	25	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	5.60	55.10	81.50	11.80	1.50	0.20	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	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	Std. Dev.	(Hz)	(Hz)	(%)
50.24	18.01	49.83	19.25	49.99	0.031	0.055	0.00	0.00	18.50

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	468.02	234.83	491.18	768.41	1303.82	567.58
Pong	426.72	384.05	395.00	126.34	406.93	397.88	1276.32	278.58
Tehri	829.79	740.04	781.20	335.67	788.50	432.44	919.09	168.00
Koteswar	612.50	598.50	610.79	4.95	609.88	4.44	168.00	155.27
Chamera-I	760.00	748.75	755.95	0.00	0.00	0.00	544.92	351.41
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	507.78	6.18	521.33	10.54	328.42	260.46

* 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	2201	0	0	2200	0	0	52.82	0.00	52.82
Delhi	1080	-246	0	952	-191	0	24.47	-4.78	19.69
Haryana	2341	154	0	2255	3	0	47.70	1.71	49.41
HP	-1635	-274	0	-1666	-345	0	-36.97	-6.66	-43.63
J&K	-1150	99	0	-1151	474	0	-27.61	10.18	-17.43
CHD	0	-20	0	0	0	0	0.00	0.05	0.05
Rajasthan	-37	-11	0	-37	-340	0	-0.90	-2.68	-3.58
UP	2270	39	0	1917	28	0	47.53	0.62	48.15
Uttarakhand	-121	523	0	-255	754	0	-3.70	14.56	10.86
Total	4948	264	0	4214	384	0	103.34	13.00	116.34

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2201	2194	0	0	0	0
Delhi	1247	856	0	-692	0	0
Haryana	2385	1612	155	-489	0	0
HP	-1432	-1869	-234	-345	0	0
J&K	-1150	-1152	613	59	0	0
CHD	0	0	39	-30	0	0
Rajasthan	-37	-38	57	-1649	0	0
UP	2301	1863	39	0	0	0
Uttarakhand	-121	-255	785	499	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	10
Haryana	2	13
Rajasthan	0	12
Delhi	1	24
UP	1	13
Uttarakhand	3	16
HP	4	25
J & K	4	31
Chandigarh	4	36

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 24.07.2018 :

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 : 24.07.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER