

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO188682

Power Supply Position in Northern Region for 18.06.2018

Date of Reporting : 19.06.2018



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
48379	514	48893	49.89	48971	226	49197	49.96	1149.76	11.63

* 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	31.82	11.47	0.00	2.31	0.00	2.66	48.26	105.74	105.47	-0.27	153.73	0.00
Haryana	26.29	0.56	0.00	0.12	0.00	1.03	27.99	137.25	138.86	1.61	166.85	0.02
Rajasthan	103.18	0.34	3.68	5.64	24.10	4.27	141.21	71.72	77.70	5.98	218.91	1.78
Delhi	6.66	0.00	18.42	0.00	0.00	0.78	25.86	93.82	91.93	-1.89	117.79	0.08
UP	194.35	15.39	0.00	0.00	0.00	6.00	215.75	166.04	165.92	-0.12	381.67	0.00
Uttarakhand	0.00	16.32	6.73	0.63	0.00	0.00	23.68	14.75	16.89	2.14	40.57	0.05
HP	0.00	13.56	0.00	0.00	0.00	4.23	17.79	4.17	8.15	3.98	25.93	0.33
J & K	0.00	24.75	0.00	0.00	0.00	0.00	24.75	16.87	14.71	-2.16	39.46	9.37
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.35	4.85	-0.50	4.85	0.00
Total	362.30	82.40	28.83	8.70	24.10	18.96	525.29	615.71	624.47	8.76	1149.76	11.63

* 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	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction			
Punjab	5942	0	-51	1427	5977	0	-191	1427	7055	24	0
Haryana	7173	0	-122	1276	7229	0	44	1806	7476	21	0
Rajasthan	8314	29	511	-70	9542	0	-94	3	10438	1	0
Delhi	4676	0	-266	378	5051	0	84	724	5694	16	0
UP	17151	30	44	2109	17330	0	-27	2191	17637	1	70
Uttarakhand	1920	0	79	-34	1492	0	27	-77	1962	21	0
HP	1165	0	-28	-1610	907	0	38	-1623	1303	9	0
J&K	1819	455	-111	-305	1282	226	-42	-975	1976	21	494
Chandigarh	219	0	-45	-55	161	0	-52	0	236	15	0
Total	48379	514	10	3116	48971	226	-213	3476	50970	24	265

* STOAPX 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	1660	1835	1835	40.23	1676	39.71	0.52		
	Rihand I STPS (2*500)	1000	895	880	988	21.48	895	21.39	0.09		
	Rihand II STPS (2*500)	1000	471	492	506	11.34	473	11.27	0.07		
	Rihand III STPS (2*500)	1000	943	990	1012	22.68	945	22.54	0.14		
	Dadri I STPS (4*210)	840	769	765	422	13.29	554	13.57	-0.28		
	Dadri II STPS (2*490)	980	929	588	717	18.81	784	19.78	-0.97		
	Unchahar I TPS (2*210)	420	382	377	382	8.39	349	8.70	-0.31		
	Unchahar II TPS (2*210)	420	382	352	369	8.18	341	8.37	-0.19		
	Unchahar III TPS (1*210)	210	191	202	161	4.14	173	4.25	-0.11		
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00		
	ISTPP (Jhajjar) (3*500)	1500	1387	1322	576	20.74	864	21.23	-0.49		
	Dadri GPS (4*130.19+2*154.51)	830	0	166	126	3.08	128	3.07	0.01		
	Anta GPS (3*88.71+1*153.2)	419	0	241	0	1.83	76	1.70	0.13		
	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	0.00	0	0.01	-0.01		
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00		
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.05	0.02		
	KHEP(4*200)	800	872	867	838	10.71	446	10.00	0.71		
	Sub Total (A)	12612	8886	9077	7932	185	7710	186	-0.66		
	B. NPC	NAPS (2*220)	440	375	413	415	9.03	376	9.00	0.03	
RAPS- B (2*220)		440	353	394	397	8.46	352	8.47	-0.01		
RAPS- C (2*220)		440	405	445	450	9.69	404	9.78	-0.09		
Sub Total (B)		1320	1133	1252	1262	27.17	1132	27.25	-0.08		
C. NHPC	Chamera I HPS (3*180)	540	534	537	183	7.69	320	7.47	0.22		
	Chamera II HPS (3*100)	300	285	304	301	5.97	249	5.80	0.17		
	Chamera III HPS (3*77)	231	229	229	229	4.39	183	4.30	0.09		
	Bairasul HPS(3*60)	180	56	119	61	1.41	59	1.33	0.08		
	Salaj-HPS (6*115)	690	685	687	683	16.50	687	16.44	0.05		
	Tanakpur-HPS (3*31.4)	94	66	64	64	1.64	68	1.58	0.06		
	Uri-I HPS (4*120)	480	357	360	356	8.71	363	8.56	0.15		
	Uri-II HPS (4*60)	240	238	244	243	5.80	242	5.71	0.09		
	Dhauliganga-HPS (4*70)	280	271	277	69	3.65	152	3.66	-0.01		
	Dulhasti-HPS (3*130)	390	385	398	396	9.31	388	9.25	0.06		
	Sewa-II HPS (3*40)	120	125	128	0	0.41	17	0.37	0.04		
	Parbati 3 (4*130)	520	68	504	0	1.52	63	1.63	-0.11		
	Kishanganga(3*110)	330	72	112	107	1.80	75	1.72	0.08		
	Sub Total (C)	4395	3369	3963	2693	69	2866	68	0.97		
	D.SJVNL	NJPC (6*250)	1500	1538	1568	1480	28.46	1186	28.20	0.26	
		Rampur HEP (6*68.67)	412	442	444	387	8.25	344	7.84	0.41	
Sub Total (D)		1912	1980	2012	1867	36.71	1530	36.04	0.67		
E. THDC	Tehri HPS (4*250)	1000	492	491	114	6.23	259	6.23	0.00		
	Koteswar HPS (4*100)	400	137	303	184	3.36	140	3.29	0.07		
	Sub Total (E)	1400	629	794	298	9.59	399	9.52	0.07		
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	842	1179	869	20.26	844	20.20	0.06		
	Dehar HPS (6*165)	990	606	660	645	14.62	609	14.54	0.08		
	Pong HPS (6*68)	396	108	147	98	2.62	109	2.59	0.03		
	Sub Total (F)	2765	1555	1986	1412	37.50	1562	37.33	0.16		
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	116	80	1.92	80	2.69	-0.77		
	Karcharm Wangtoo HPS(IPP) (4*250)	1000	0	1000	0	16.71	696	16.81	-0.10		
	Malana Sta-II HPS (2*50)	100	0	55	0	1.12	47	1.05	0.07		
	Shree Cement TPS (2*150)	300	0	108	69	2.16	90	2.16	0.00		
	Budhil HPS(IPP) (2*35)	70	0	46	45	1.09	46	1.78	-0.69		
	Sani HPS (IPP) (2*50)	100	0	0	0	0.00	0	1.29			
	Sub Total (G)	1762	0	1325	195	23.01	959	24.49	-1.48		
H. Total Regional Entities (A-G)	26167	17553	20408	15658	387.80	16158	388.14	-0.34			

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	0.12	5	
	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	0	0	0.11	5	
	Goidwal(GVK) (2*270)	540	145	145	3.63	151	
	Rajpura (2*700)	1400	660	660	16.18	674	
	Talwandi Saboo (3*660)	1980	616	308	11.77	490	
	Thermal (Total)	6560	1421	1113	31.82	1326	
	Total Hydro	1000	503	491	11.47	478	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	2.66	111	
	Solar	859	0	0	2.31	96	
	Renewable(Total)	1162	0	0	4.97	207	
	Total Punjab	8722	1924	1604	48.26	2011	
	Haryana	Panipat TPS (2*210+2*250)	920	402	418	10.02	417
		DCRTPP (Yamuna nagar) (2*300)	600	242	238	5.83	243
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	425	379	10.44	435	
Thermal (Total)		4497	1069	1035	26.29	1095	
Total Hydro		62	11	18	0.56	23	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	1.03	43	
Solar		50	0	0	0.12	5	
Renewable(Total)		156	0	0	1.14	48	
Total Haryana		4715	1080	1053	27.99	1166	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	857	1003	22.92	955
		suratgarh TPS (6*250)	1500	732	796	19.69	820
	Chabra TPS (4*250)	1000	853	925	21.29	887	
	Chabra TPS (1*660)	660	0	0	0.00	0	
	Dholpur GPS (3*110)	330	19	0	0.13	5	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	149	122	3.55	148	
	RAPS A (NPC) (1*100+1*200)	300	166	163	3.84	160	
	Barsingsar (NLC) (2*125)	250	213	220	4.73	197	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	646	942	21.87	911	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	440	558	12.69	529	
	Kawaii(Adani) (2*660)	1320	0	0	0.01	0	
	Thermal (Total)	9536	4075	4729	110.70	4612	
	Total Hydro	550	31	0	0.34	14	
	Wind power	4292	559	1992	24.10	1004	
	Biomass	102	18	18	0.43	18	
	Solar	1995	19	0	5.64	235	
	Renewable/Others (Total)	6389	596	2010	30.18	1257	
	Total Rajasthan	16475	4702	6739	141.21	5884	
UP	Anpara TPS (3*210+2*500)	1630	1337	1337	33.54	1398	
	Obra TPS (2*50+2*94+5*200)	1194	497	526	12.23	510	
	Paricha TPS (2*110+2*220+2*250)	1160	838	863	16.33	680	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaganj TPS (1*60+1*105+2*250)	665	498	504	10.95	456	
	Tanda TPS (NTPC) (4*110)	440	390	380	7.07	295	
	Roza TPS (IPP) (4*300)	1200	810	1042	18.33	764	
	Anpara-C (IPP) (2*600)	1200	1082	1110	24.83	1034	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	223	224	5.82	242	
	Anpara-D(2*500)	1000	920	893	21.60	900	
	Lalitpur TPS(3*660)	1980	959	959	22.96	957	
	Bara(3*660)	1980	738	1120	20.70	862	
	Thermal (Total)	13109	8292	8958	194.35	8098	
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436	
	Alakananda(4*82.5)	330	163	164	4.17	174	
	Other Hydro	527	47	32	0.75	31	
	Cogeneration	1360	250	250	6.00	250	
	Wind Power	0	0	0	0.00	0	
Biomass	26	0	0	0.00	0		
Solar	472	0	0	0.00	0		
Renewable(Total)	498	0	0	0.00	0		
Total UP	16264	9187	9639	215.75	8989		
Uttarakhand	Other Hydro	1250	764	672	16.32	680	
	Total Gas	450	276	287	6.73	281	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.63	26	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.63	26	
	Total Uttarakhand	2107	1040	959	23.68	987	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	68	70	1.74	72	
	Pragati Gas Turbine (2x104+ 1x122)	330	259	260	6.38	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	429	428	10.31	430	
	Badarpur TPS (NTPC) (3*95+2*210)	705	311	313	6.66	277	
	Thermal (Total)	2917	1068	1071	25.08	1045	
	Wind Power	0	0	0	0.00	0	
	Biomass	16	25	29	0.78	33	
	Solar	2	0	0	0.00	0	
	Renewable(Total)	18	25	29	0.78	33	
Total Delhi	2935	1093	1100	25.86	1078		

HP	Baspa HPS (IPP) (3*100)	300	330	264	6.00	250					
	Malana HPS (IPP) (2*43)	86	61	19	1.06	44					
	Other Hydro (>25MW)	372	304	265	6.49	271					
	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	190	169	4.23	176					
	Renewable(Total)	486	190	169	4.23	176					
	Total HP	1244	885	717	17.79	741					
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	883	883	20.75	865				
		Other Hydro/IPP(including 98 MW Small Hydro)	308	170	174	4.00	167				
		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	1053	1057	24.75	1031					
Total State Control Area Generation		53860	20964	23068	525.29	21887					
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		9407		9867.61		253.70		10571			
Total Regional Availability(Gross)		80027		50779		48594		1166.78		48616	

IV. Total Hydro Generation:

Regional Entities Hydro	12564	10793	7188	184.14	7627
State Control Area Hydro	7468	4168	3873	82.40	3916
Total Regional Hydro	20032	14961	11061	266.54	11543

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	9214	811	2208	41.92	1747
Total Regional Renewable	9244	811	2208	42.05	1752

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)	-50	-250	50	250	0.03	5.00	-4.97
765 KV Gwalior-Agra (D/C)	2081	2035	2584	0	49.04	0.00	49.04
400 KV Zerda-Kankroli	-130	-203	0	366	0.00	5.13	-5.13
400 KV Zerda-Bhinmal	-78	-238	0	284	0.00	4.44	-4.44
220 KV Auraiya-Malanpur	30	28	0	54	0.65	0.00	0.65
220 KV Badod-Kota/Morak	-7	27	127	21	1.11	0.00	1.11
Mundra-Mohindergarh(HVDC Bipole)	1201	1197	1502	0	29.61	0.00	29.61
400 KV RAPP-C-Sujalpur	0	0	0	0	3.14	0.00	3.14
400 KV Vindhychal-Rihand	-948	-956	0	970	0.00	22.67	-22.67
765 KV Phagt-Gwalior (D/C)	1132	1276	1585	0	34.55	0.00	34.55
+/- 800 KV HVDC Champa-Kurushetra	2500	2500	2500	0	57.77	0	57.77
765KV Orai-Jabalpur	793	813	1073	0	16.89	0	16.89
765KV Orai-Satna	1818	1781	1866	0	41.60	0	41.60
765KV Orai-Gwalior	-417	-387	0	697	0.00	11	-10.58
Sub Total WR	7926	7623			234.38	47.82	186.56
400 kV Sasaram - Varanasi	191	176	191	0	4.12	0.00	4.12
400 kV Sasaram - Allahabad	48	62	100	0	1.85	0.00	1.85
400 kV MZP- GKP (D/C)	184	452	668	0	11.84	0.00	11.84
400 KV Patna-Balia(D/C) X 2	368	592	0	824	15.39	0.00	15.39
400 KV B Sharif-Balia (D/C)	20	164	0	266	4.60	0.00	4.60
765 KV Gaya-Balia	231	213	0	357	6.07	0.00	6.07
765 KV Gaya-Varanasi (D/C)	26	66	259	0	3.44	0.00	3.44
220 KV Pusaali-Sahupuri	-199	-166	0	199	4.28	0.00	4.28
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.50	-0.50
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.34	-0.34
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-291	-172	0	291	0.00	2.71	-2.71
400 KV Mothari -GKP (D/C)	-276	-169	0	283	0.00	5.00	-5.00
400 kV B Sharif - Varanasi (D/C)	179	27	148	179	0.61	0.00	0.61
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	12.02	0.00	12.02
Sub Total ER	981	1745			64.21	8.55	55.67
+/- 800 KV HVDC Biswanath Chariali-Agra	500	500	500	0.00	11.47	0.00	11.47
Sub Total NER	500	500			11.47	0.00	11.47
Total IR Exch	9407	9868			310.07	56.37	253.70

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
45.79	3.58	49.37	49.57	30.62	2.61	-2.02	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
97.97	161.15	259.12	67.14	186.56	253.70	-30.84	25.41	-5.42

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	-24	-13	0	27	0	0	-0.50

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	0.20	2.50	24.40	76.30	68.70	6.90	0.10	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)	
50.12	19.02	49.68	22.29	49.95	0.080	0.071	50.07	49.75	31.30

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	404	8:00	397	23:23	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	412	6:48	389	19:51	0.0	0.8	0.0	0.0	0.0
Bareilly(PG)400kV	400	412	6:47	396	0:08	0.0	0.0	0.0	0.0	0.0
Kanpur	400	411	16:31	400	0:06	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	6:49	399	11:05	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	411	6:00	394	0:08	0.0	0.0	0.0	0.0	0.0
Bawana	400	411	6:47	396	0:06	0.0	0.0	0.0	0.0	0.0
Bassi	400	414	19:02	388	0:02	0.0	1.4	0.0	0.0	0.0
Hissar	400	410	6:00	390	0:07	0.0	0.0	0.0	0.0	0.0
Moga	400	411	6:00	396	0:08	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	411	6:46	396	11:08	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	414	5:08	399	11:09	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	410	5:03	402	0:08	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	2:49	394	6:39	0.0	0.0	0.0	0.0	0.0
Amritsar	400	413	4:35	401	11:09	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	406	8:40	395	11:11	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	410	6:01	393	13:53	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	780	16:03	747	0:08	0.0	0.0	0.0	0.0	0.0
Balia	765	780	6:49	748	19:59	0.0	0.0	0.0	0.0	0.0
Moga	765	786	6:00	756	0:07	0.0	0.0	0.0	0.0	0.0
Agra	765	785	19:02	748	0:07	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	790	6:01	760	0:04	0.0	0.0	0.0	0.0	0.0
Unnao	765	774	17:01	744	0:09	0.0	0.0	0.0	0.0	0.0
Lucknow	765	784	6:52	752	19:58	0.0	0.0	0.0	0.0	0.0
Meerut	765	794	6:49	760	0:08	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	785	6:48	750	0:07	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	786	6:48	756	19:57	0.0	0.0	0.0	0.0	0.0
Anta	765	790	19:05	760	0:17	0.0	0.0	0.0	0.0	0.0
Phagi	765	793	19:03	754	0:10	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	461.09	145.41	477.01	394.40	887.79	823.59
Pong	426.72	384.05	391.63	76.21	392.26	84.61	65.04	223.33
Tehri	829.79	740.04	742.05	9.61	741.45	6.77	147.15	227.00
Koteswar	612.50	598.50	611.55	5.30	610.38	4.69	227.00	222.47
Chamera-I	760.00	748.75	751.98	0.00	0.00	0.00	179.15	209.05
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	502.98	3.00	513.83	9.24	224.05	117.61

* 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	1427	0	0	1427	0	0	34.25	0.00	34.25
Delhi	1089	-364	0	973	-595	0	26.03	-7.87	18.16
Haryana	1795	11	0	1578	-302	0	33.61	-0.16	33.45
HP	-1440	-183	0	-1318	-292	0	-29.11	-4.36	-33.47
J&K	-1094	118	0	-1094	789	0	-26.25	14.56	-11.69
CHD	0	0	0	0	-55	0	0.00	-0.11	-0.11
Rajasthan	-52	55	0	-52	-18	0	-1.25	1.79	0.54
UP	2191	0	0	2109	0	0	48.56	-1.05	47.51
Uttarakhand	-139	62	0	-139	105	0	-3.33	2.05	-1.28
Total	3777	-301	0	3485	-369	0	82.51	4.85	87.36

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1427	1427	0	0	0	0
Delhi	1175	938	77	-999	0	0
Haryana	1795	1135	179	-501	0	0
HP	-1061	-1442	-33	-297	0	0
J&K	-1094	-1094	789	79	0	0
CHD	0	0	29	-55	0	0
Rajasthan	-52	-52	612	-573	0	0
UP	2232	1876	0	-595	0	0
Uttarakhand	-138	-139	179	3	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	2.43%
ER	0.00%
Simultaneous	0.00%

(ii) %age of times ATC violated on the inter-regional corridors

WR	9.03%
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	15
Rajasthan	3	21
Delhi	4	34
UP	0	11
Uttarakhand	3	22
HP	7	75
J & K	2	17
Chandigarh	4	23

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 18.06.2018 :

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 : 18.06.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER