

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO118682

Power Supply Position in Northern Region for 23.06.2018

Date of Reporting : 24.06.2018



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
57496	1994	59490	49.96	58386	923	59310	49.99	1382.93	17.05

* 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/Naptha/Diesel	Solar	Wind	Other (Biomass/Small hydro/Co-Generation etc.)	Total					
Punjab	101.95	13.07	0.00	4.16	0.00	2.66	121.83	131.78	130.57	-1.21	252.40	0.00
Haryana	66.49	0.40	3.90	0.16	0.00	0.75	71.70	138.94	141.78	2.84	213.48	0.20
Rajasthan	124.07	0.11	3.60	7.41	15.88	4.33	155.40	66.85	70.50	3.65	225.90	4.99
Delhi	6.83	0.00	23.28	0.00	0.00	0.00	30.11	103.23	102.89	-0.34	133.00	0.09
UP	227.34	17.39	0.00	2.90	0.00	6.00	253.63	184.53	184.28	-0.25	437.91	0.00
Uttarakhand	0.00	16.58	6.53	0.72	0.00	0.00	23.83	19.76	20.46	0.70	44.29	2.10
HP	0.00	15.04	0.00	0.00	0.00	3.32	18.36	9.54	10.91	1.37	29.26	0.00
J & K	0.00	25.43	0.00	0.00	0.00	0.00	25.43	18.59	15.37	-3.22	40.80	9.67
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.79	5.89	0.10	5.89	0.00
Total	526.67	88.01	37.32	15.34	15.88	17.06	700.28	679.01	682.65	3.64	1382.93	17.05

* Storage 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	10555	0	-45	1922	10110	0	2220	11219	16	0	
Haryana	8895	0	21	1612	9440	324	178	1845	15	113	
Rajasthan	8405	321	-239	-125	9721	0	-16	-112	10339	1	0
Delhi	5166	0	-148	435	6062	0	159	758	6462	1	0
UP	19292	1160	125	1801	18835	0	-139	3096	19356	24	0
Uttarakhand	1989	75	69	-127	1547	370	119	-138	2055	16	0
HP	1203	0	-25	-1596	1134	0	42	-1487	1432	10	0
J&K	1751	438	-265	-925	1302	230	-207	-795	2022	22	505
Chandigarh	240	0	-46	0	236	0	20	0	292	15	0
Total	57496	1994	-554	2998	58386	923	7	5386	60715	24	520

* 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
A. NTPC	Singrauli STPS (6*200+2*500)	2000	1181	1335	1321	29.52	1230	28.34	1.18	
	Rihand I STPS (2*500)	1000	923	1004	1007	22.19	925	22.14	0.05	
	Rihand II STPS (2*500)	1000	746	1006	510	18.18	757	17.89	0.29	
	Rihand III STPS (2*500)	1000	943	990	994	22.61	942	22.62	-0.01	
	Dadri I STPS (4*210)	840	769	826	816	16.02	667	16.50	-0.48	
	Dadri II STPS (2*490)	980	929	959	954	21.79	908	21.97	-0.18	
	Unchahar I TPS (2*210)	420	382	412	393	8.71	363	9.13	-0.42	
	Unchahar II TPS (2*210)	420	382	414	392	8.81	367	9.14	-0.33	
	Unchahar III TPS (1*210)	210	191	209	200	4.39	183	4.55	-0.17	
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
	ISTPP (Jhajjar) (3*500)	1500	850	909	905	20.16	840	20.18	-0.02	
	Dadri GPS (4*130.19+2*154.51)	830	0	332	341	7.61	317	7.98	-0.37	
	Anta GPS (3*88.71+1*153.2)	419	0	309	382	7.77	324	7.78	-0.01	
	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	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	844	609	11.34	473	11.00	0.34		
Sub Total (A)	12612	8172	9549	8824	199	8302	199	-0.10		
B. NPC	NAPS (2*220)	440	311	205	210	4.34	181	7.46	-3.12	
	RAPS- B (2*220)	440	355	392	399	8.45	352	8.52	-0.07	
	RAPS- C (2*220)	440	405	449	454	9.30	388	9.78	-0.48	
	Sub Total (B)	1320	1071	1046	1063	22.09	921	25.76	-3.67	
C. NHPC	Chamera I HPS (3*180)	540	534	541	18	5.64	235	5.50	0.14	
	Chamera II HPS (3*100)	300	297	297	201	5.70	237	5.63	0.07	
	Chamera III HPS (3*77)	231	169	233	155	4.12	172	4.03	0.09	
	Bairasul HPS(3*60)	180	54	103	52	1.30	54	1.29	0.01	
	Salaj-HPS (6*115)	690	648	690	684	15.89	662	15.54	0.35	
	Tanakpur-HPS (3*31.4)	94	55	62	57	1.43	60	1.33	0.10	
	Uri-I HPS (4*120)	480	403	383	418	10.12	422	9.67	0.45	
	Uri-II HPS (4*60)	240	227	242	203	5.53	230	5.46	0.07	
	Dhauliganga-HPS (4*70)	280	278	281	140	4.19	175	4.07	0.12	
	Dulhasti-HPS (3*130)	390	385	399	399	9.39	391	9.25	0.14	
	Sewa-II HPS (3*40)	120	125	123	0	0.60	25	0.60	0.00	
	Parbati 3 (4*130)	520	56	498	0	1.33	55	1.34	-0.01	
	Kishanganga(3*110)	330	167	220	163	3.96	165	4.00	-0.04	
	Sub Total (C)	4395	3398	4072	2491	69	2883	68	1.49	
D.SJVNL	NJPC (6*250)	1500	1605	1622	1215	33.72	1405	33.30	0.42	
	Rampur HEP (6*68.67)	412	442	444	341	9.55	398	9.22	0.33	
Sub Total (D)	1912	2047	2066	1556	43.27	1803	42.52	0.75		
E. THDC	Tehri HPS (4*250)	1000	488	486	0	3.30	138	3.25	0.05	
	Koteswar HPS (4*100)	400	75	100	71	1.83	76	1.81	0.02	
Sub Total (E)	1400	563	586	71	5.13	214	5.06	0.07		
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	983	1129	841	23.56	982	23.60	-0.04	
	Dehar HPS (6*165)	990	422	825	330	10.33	430	10.13	0.20	
	Pong HPS (6*68)	396	108	144	48	2.63	109	2.60	0.03	
	Sub Total (F)	2765	1513	2098	1219	36.52	1522	36.33	0.19	
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	117	53	1.72	72	1.82	-0.10	
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	675	20.26	844	19.70	0.56	
	Malana Sta-II HPS (2*50)	100	0	80	0	0.93	39	0.88	0.05	
	Shree Cement TPS (2*150)	300	0	204	204	4.89	204	4.95	-0.06	
	Budhil HPS(IPP) (2*35)	70	0	44	35	1.03	43	1.65	-0.62	
	Sani HPS (IPP) (2*50)	100	0	0	0	0.00	0.00	0.00	0.00	
Sub Total (G)	1762	0	1444	967	28.84	1202	29.00	-0.16		
H. Total Regional Entities (A-G)	26167	16764	20861	16191	404.30	16846	405.72	-1.42		

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	640	690	16.34	681	
	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	832	881	19.45	811	
	Goidwal(GVK) (2*270)	540	0	0	0.00	0	
	Rajpura (2*700)	1400	1320	1320	31.08	1295	
	Talwandi Saboo (3*660)	1980	1550	1700	35.09	1462	
	Thermal (Total)	6560	4342	4591	101.95	4248	
	Total Hydro	1000	622	449	13.07	545	
	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	4964	5040	121.83	5076	
	Haryana	Panipat TPS (2*210+2*250)	920	739	810	18.25	760
DCRTPP (Yamuna nagar) (2*300)		600	471	546	11.56	482	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	166	176	3.90	163	
RGTPP (khedan) (IPP) (2*600)		1200	738	915	18.68	774	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	735	550	18.11	755	
Thermal (Total)		4497	2849	2997	70.40	2933	
Total Hydro		62	18	15	0.40	16	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	0.75	31	
Solar		50	0	0	0.16	7	
Renewable(Total)		156	0	0	0.91	38	
Total Haryana		4715	2867	3012	71.70	2988	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	818	990	23.48	978
	suratgarh TPS (6*250)	1500	1102	1287	30.14	1256	
	Chabra TPS (4*250)	1000	760	909	21.46	894	
	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	153	154	3.60	150	
	RAPS A (NPC) (1*100+1*200)	300	164	165	3.87	161	
	Barsingsar (NLC) (2*125)	250	217	223	4.94	206	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	627	696	16.66	694	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	497	558	13.19	549	
	Kawai(Adani) (2*660)	1320	599	603	14.22	593	
	Thermal (Total)	9536	4937	5585	131.54	5481	
	Total Hydro	550	0	0	0.11	5	
	Wind power	4292	701	1369	15.88	662	
	Biomass	102	19	19	0.46	19	
	Solar	1995	25	0	7.41	309	
	Renewable/Others (Total)	6389	745	1388	23.75	990	
	Total Rajasthan	16475	5682	6973	155.40	6475	
	UP	Anpara TPS (3*210+2*500)	1630	1299	1336	33.49	1395
		Obra TPS (2*50+2*94+5*200)	1194	346	525	11.42	476
		Paricha TPS (2*110+2*220+2*250)	1160	889	877	21.11	880
		Panki TPS (2*105)	210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	535	542	12.55	523	
Tanda TPS (NTPC) (4*110)		440	369	392	8.86	369	
Roza TPS (IPP) (4*300)		1200	1024	791	19.79	825	
Anpara-C (IPP) (2*600)		1200	1082	1092	25.99	1083	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	401	401	8.51	355	
Anpara-D(2*500)		1000	956	924	21.82	909	
Lalitpur TPS(3*660)		1980	1391	1484	34.08	1420	
Bara(3*660)		1980	1351	1138	29.72	1238	
Thermal (Total)		13109	9643	9502	227.34	9472	
Vishnupurayag HPS (IPP)(4*110)		440	435	435	10.47	436	
Alaknanda(4*82.5)		330	168	154	4.27	178	
Other Hydro		527	216	196	2.65	110	
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	2.90	121		
Renewable(Total)	498	0	0	2.90	121		
Total UP	16264	10712	10537	253.63	10568		
Uttarakhand	Other Hydro	1250	715	666	16.58	691	
	Total Gas	450	268	278	6.53	272	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.72	30	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.72	30	
	Total Uttarakhand	2107	983	944	23.83	993	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	129	130	3.23	135	
	Pragati Gas Turbine (2x104+ 1x122)	330	260	263	6.46	269	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	558	559	13.59	566	
	Badarpur TPS (NTPC) (3*95+2*210)	705	309	310	6.83	284	
	Thermal (Total)	2917	1256	1261	30.11	1254	
	Wind Power	0	0	0	0.00	0	
	Biomass	16	35	38	0.00	0	
	Solar	2	0	0	0.00	0	
	Renewable(Total)	18	35	38	0.00	0	
Total Delhi	2935	1291	1299	30.11	1254		

HP	Baspa HPS (IPP) (3*100)	300	332	332	7.53	314	
	Malana HPS (IPP) (2*43)	86	21	0	0.79	33	
	Other Hydro (>25MW)	372	305	288	6.71	280	
	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	145	137	3.32	138	
	Renewable(Total)	486	145	137	3.32	138	
	Total HP	1244	803	758	18.36	765	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883
		Other Hydro/IPP(Including 98 MW Small Hydro)	308	176	178	4.24	177
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	1059	1061	25.43	1060	
Total State Control Area Generation		53860	28362	29624	700.28	29178	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		12418	15668.82	302.33	12597		
Total Regional Availability(Gross)		80027	61641	61484	1406.91	58621	

IV. Total Hydro Generation:

Regional Entities Hydro	12564	10863	6674	189.42	7849
State Control Area Hydro	7468	4304	4012	88.01	4107
Total Regional Hydro	20032	15167	10686	277.43	11957

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.15	6
State Control Area Renewable	9214	925	1563	38.41	1600
Total Regional Renewable	9244	925	1563	38.56	1607

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	250	250	250	4.70	0.64	4.07
765 KV Gwalior-Agra (D/C)	2514	2896	2896	0	59.48	0.00	59.48
400 KV Zerda-Kankroli	-210	-326	0	448	0.00	7.61	-7.61
400 KV Zerda-Bhinmal	-154	-310	0	408	0.00	6.19	-6.19
220 KV Auraiya-Malanpur	23	42	42	0	0.57	0.00	0.57
220 KV Badod-Kota/Morak	-92	-2	44	0	0.00	0.34	-0.34
Mundra-Mohindergarh(HVDC Bipole)	1600	2500	2506	0	55.12	0.00	55.12
400 KV RAPPC-Sujalpur	206	260	352	0	5.85	0.00	5.85
400 KV Vindhychal-Rihand	942	946	0	483	0.00	22.85	-22.85
765 KV Phagt-Gwalior (D/C)	1163	1415	1489	0	32.35	0.00	32.35
+/- 800 KV HVDC Champa-Kurushetra	1500	1500	1500	0	29.81	0	29.81
765KV Orai-Jabalpur	1108	1434	733	0	27.63	0	27.63
765KV Orai-Satna	1859	1957	1957	0	44.46	0	44.46
765KV Orai-Gwalior	-466	-439	0	491	0.00	11	-10.93
Sub Total WR	9743	12123			259.97	48.57	211.40
400 kV Sasaram - Varanasi	66	-13	238	0	1.89	0.00	1.89
400 kV Sasaram - Allahabad	-19	143	146	0	0.54	0.00	0.54
400 KV MZP- GKP (D/C)	444	658	900	0	16.69	0.00	16.69
400 KV Patna-Balia(D/C) X 2	723	975	1149	0	20.82	0.00	20.82
400 KV B Sharif-Balia (D/C)	500	597	712	0	14.85	0.00	14.85
765 KV Gaya-Balia	579	654	673	0	14.57	0.00	14.57
765 KV Gaya-Varanasi (D/C)	278	372	444	0	8.47	0.00	8.47
220 KV Pusaui-Sahupuri	186	165	191	0	4.28	0.00	4.28
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-18	-25	0	30	0.00	0.36	-0.36
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-61	-65	149	148	0.72	0.00	0.72
400 KV Mothari -GKP (D/C)	80	251	251	0	3.06	0.00	3.06
400 kV B Sharif - Varanasi (D/C)	-83	-166	389	0	5.39	0.00	5.39
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2675	3546			91.29	0.36	90.93
+/- 800 KV HVDC Biswanath Chariali-Agra	0	0	0	0.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	12418	15669			351.26	48.93	302.33

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
60.89	1.67	62.56	46.01	40.10	2.40	10.83	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
109.30	189.59	298.89	90.93	211.40	302.33	-18.38	21.81	3.44

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	-27	-11	0	29	0	0	-0.39

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	0.20	12.00	62.70	80.00	7.10	0.90	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	18.01	49.79	19.39	49.98	0.042	0.060	50.07	49.85	20.00

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	17:16	399	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	6:02	399	0:04	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	409	18:15	393	11:42	0.0	0.0	0.0	0.0	0.0
Kanpur	400	412	6:03	400	0:03	0.0	0.0	0.0	0.0	0.0
Dadri	400	408	6:01	395	11:53	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	408	6:02	393	0:08	0.0	0.0	0.0	0.0	0.0
Bawana	400	406	6:01	393	0:11	0.0	0.0	0.0	0.0	0.0
Bassi	400	413	19:01	387	0:12	0.0	1.8	0.0	0.0	0.0
Hissar	400	406	18:31	390	0:08	0.0	0.0	0.0	0.0	0.0
Moga	400	404	6:02	395	11:53	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	408	6:02	396	0:07	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	409	6:07	398	11:17	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	404	0:00	398	14:42	0.0	0.0	0.0	0.0	0.0
Wagoora	400	402	1:54	387	9:39	0.0	1.2	0.0	0.0	0.0
Amritsar	400	405	0:00	392	14:44	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	18:25	393	11:14	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	404	18:06	384	11:14	0.0	14.2	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	18:20	743	0:06	0.0	0.0	0.0	0.0	0.0
Balia	765	778	6:04	754	0:03	0.0	0.0	0.0	0.0	0.0
Moga	765	787	6:03	766	11:43	0.0	0.0	0.0	0.0	0.0
Agra	765	786	18:19	754	0:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	788	18:21	759	0:06	0.0	0.0	0.0	0.0	0.0
Unnao	765	763	18:20	740	0:04	0.0	0.9	0.0	0.0	0.0
Lucknow	765	785	18:21	754	0:05	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	784	18:20	753	0:06	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	790	18:11	758	11:53	0.0	0.0	0.0	0.0	0.0
Anta	765	787	19:07	759	0:08	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	19:04	760	0:05	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	457.30	101.39	476.73	387.82	552.46	1020.37
Pong	426.72	384.05	390.61	63.75	393.04	97.37	26.56	226.85
Tehri	829.79	740.04	741.35	6.30	743.05	14.41	181.25	121.00
Koteswar	612.50	598.50	610.65	4.69	610.91	5.05	121.00	120.70
Chamera-I	760.00	748.75	752.01	0.00	0.00	0.00	154.29	153.41
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	502.18	3.65	513.77	9.00	148.67	262.08

* 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	1724	495	0	1427	495	0	39.30	11.89	51.19
Delhi	1166	-408	0	1073	-638	0	28.56	-12.27	16.29
Haryana	1844	0	0	1612	0	0	33.23	0.02	33.25
HP	-1485	-2	0	-1385	-210	0	-30.43	0.65	-29.78
J&K	-1094	299	0	-1094	169	0	-26.25	11.74	-14.51
CHD	0	0	0	0	0	0	0.00	0.06	0.06
Rajasthan	-52	-60	0	-52	-73	0	-1.25	-0.71	-1.96
UP	2691	406	0	1801	0	0	48.28	1.44	49.72
Uttarakhand	-144	6	0	-144	17	0	-3.45	6.19	2.74
Total	4650	736	0	3238	-240	0	87.99	19.01	107.00

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1724	1427	495	0	0	0
Delhi	1375	963	-55	-1167	0	0
Haryana	1844	1048	1	0	0	0
HP	-1102	-1488	357	-227	0	0
J&K	-1094	-1094	621	169	0	0
CHD	0	0	29	-20	0	0
Rajasthan	-52	-52	353	-73	0	0
UP	2721	1766	489	0	0	0
Uttarakhand	-143	-144	535	6	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	14.24%
ER	0.00%
Simultaneous	4.51%

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

WR	29.17%
ER	0.00%
Simultaneous	28.13%

(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	14
Haryana	2	24
Rajasthan	2	19
Delhi	4	27
UP	0	9
Uttarakhand	1	15
HP	2	33
J & K	3	16
Chandigarh	6	37

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 23.06.2018 :

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 : 23.06.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER