

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.06.2018

Date of Reporting : 27.06.2018



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
55021	1133	56154	50.02	57455	403	57858	50.05	1342.67	9.70

* 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	109.99	13.76	0.00	3.19	0.00	2.66	129.59	140.60	139.78	-0.82	269.37	0.00
Haryana	65.59	0.45	0.00	0.09	0.00	0.54	66.67	137.17	138.76	1.59	205.43	0.00
Rajasthan	114.70	0.00	3.46	11.92	24.36	4.28	158.72	45.52	45.91	0.39	204.63	0.00
Delhi	6.69	0.00	23.23	0.00	0.00	1.04	30.95	101.90	99.41	-2.49	130.36	0.02
UP	198.07	17.00	0.00	2.80	0.00	6.00	223.87	185.71	185.71	0.00	409.57	0.00
Uttarakhand	0.00	17.96	6.60	0.39	0.00	0.00	24.95	21.50	22.56	1.06	47.51	0.00
HP	0.00	15.66	0.00	0.00	0.00	2.83	18.48	8.60	9.81	1.21	28.29	0.00
J & K	0.00	25.40	0.00	0.00	0.00	0.00	25.40	19.67	15.53	-4.14	40.92	9.68
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	6.58	-0.02	6.58	0.00
Total	495.03	90.23	33.29	18.39	24.36	17.35	678.63	667.27	664.04	-3.23	1342.67	9.70

* 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	10908	0	-47	1975	10957	0	-100	2322	12137	16	0
Haryana	8603	0	113	1645	9473	0	224	1913	9750	1	0
Rajasthan	7683	0	-265	-1473	8413	0	134	-1524	9475	1	0
Delhi	4965	0	27	537	6042	0	-7	834	6512	1	0
UP	17678	710	144	2320	17794	140	0	2840	18399	1	80
Uttarakhand	2008	0	-51	177	1929	0	101	324	2109	12	0
HP	1215	0	-40	-1341	1124	0	2	-1157	1421	11	0
J&K	1693	423	-76	-628	1488	263	-136	-813	2050	13	512
Chandigarh	269	0	-45	0	236	0	-20	24	341	15	0
Total	55021	1133	-240	3211	57455	403	199	4763	60391	1	351

* 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
A. NTPC	Singrauli STPS (6*200+2*500)	2000	1200	1334	1301	29.47	1228	28.78	0.69	
	Rihand I STPS (2*500)	1000	907	998	900	21.56	898	21.60	-0.04	
	Rihand II STPS (2*500)	1000	943	994	501	22.30	929	22.59	-0.29	
	Rihand III STPS (2*500)	1000	943	1004	1005	22.05	919	21.96	0.08	
	Dadri I STPS (4*210)	840	769	708	636	14.08	587	14.11	-0.03	
	Dadri II STPS (2*490)	980	929	852	846	18.05	752	18.78	-0.73	
	Unchahar I TPS (2*210)	420	382	397	373	7.58	316	7.93	-0.35	
	Unchahar II TPS (2*210)	420	382	412	361	7.57	315	7.66	-0.09	
	Unchahar III TPS (1*210)	210	191	181	178	3.37	141	3.76	-0.39	
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
	ISTPP (Jhajjar) (3*500)	1500	600	630	589	13.47	561	13.31	0.16	
	Dadri GPS (4*130.19+2*154.51)	830	0	227	226	5.51	230	5.31	0.20	
	Anta GPS (3*88.71+1*153.2)	419	0	225	225	6.43	268	5.73	0.70	
	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	0.01	0	0.02	-0.01	
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.05	-0.01	
	Singrauli Solar(15)	15	1	0	0	0.04	1	0.05	-0.01	
KHEP(4*200)	800	872	855	444	12.07	503	12.00	0.07		
Sub Total (A)	12612	8120	8817	7586	184	7649	184	-0.06		
B. NPC	NAPS (2*220)	440	180	202	203	4.18	174	4.32	-0.14	
	RAPS- B (2*220)	440	355	400	402	8.57	357	8.52	0.05	
	RAPS- C (2*220)	440	405	451	453	9.70	404	9.78	-0.08	
	Sub Total (B)	1320	940	1053	1058	22.45	935	22.62	-0.17	
C. NHPC	Chamera I HPS (3*180)	540	534	537	0	5.63	235	5.50	0.13	
	Chamera II HPS (3*100)	300	296	302	201	5.50	229	5.41	0.09	
	Chamera III HPS (3*77)	231	169	231	157	3.99	166	3.90	0.09	
	Bairasul HPS(3*60)	180	56	120	59	1.41	59	1.33	0.08	
	Salaj-HPS (6*115)	690	626	614	690	15.76	657	15.02	0.74	
	Tanakpur-HPS (3*31.4)	94	67	86	52	1.71	71	1.60	0.11	
	Uri-I HPS (4*120)	480	359	455	370	8.77	366	8.60	0.17	
	Uri-II HPS (4*60)	240	195	242	194	4.77	199	4.68	0.09	
	Dhauliganga-HPS (4*70)	280	252	275	269	5.65	236	5.60	0.05	
	Dulhasti-HPS (3*130)	390	387	395	383	9.31	388	9.25	0.06	
	Sewa-II HPS (3*40)	120	125	127	0	0.42	18	0.40	0.02	
	Parbati 3 (4*130)	520	69	507	0	1.65	69	1.64	0.01	
	Kishanganga(3*110)	330	128	220	134	3.02	126	3.08	-0.06	
	Sub Total (C)	4395	3263	4110	2509	68	2818	66	1.62	
	D.SJVNL	NJPC (6*250)	1500	1605	1614	1470	37.05	1544	36.90	0.15
Rampur HEP (6*68.67)		412	442	451	451	10.48	437	10.18	0.30	
Sub Total (D)		1912	2047	2065	1921	47.53	1980	47.08	0.45	
E. THDC	Tehri HPS (4*250)	1000	514	519	124	3.96	165	4.00	-0.04	
	Koteswar HPS (4*100)	400	87	105	72	2.12	88	2.09	0.03	
	Sub Total (E)	1400	601	624	196	6.08	253	6.09	-0.01	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	957	1097	815	23.03	960	22.97	0.06	
	Dehar HPS (6*165)	990	492	825	330	11.94	497	11.81	0.13	
	Pong HPS (6*68)	396	105	141	47	2.58	108	2.53	0.05	
	Sub Total (F)	2765	1555	2063	1192	37.56	1565	37.31	0.25	
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	54	72	1.66	69	1.59	0.06	
	Karcharm Wangtoo HPS(IPP) (4*250)	1000	0	1000	810	22.49	937	22.57	-0.08	
	Malana Sta-II HPS (2*50)	100	0	100	90	1.18	49	1.11	0.07	
	Shree Cement TPS (2*150)	300	0	93	111	2.38	99	2.53	-0.15	
	Budhil HPS(IPP) (2*35)	70	0	35	44	1.12	47	1.65	-0.53	
	Sani HPS (IPP) (2*50)	100	0	0	0	0.00	0	1.31		
	Sub Total (G)	1762	0	1282	1127	28.83	1201	29.45	-0.62	
H. Total Regional Entities (A-G)	26167	16526	20015	15589	393.64	16402	392.20	1.44		

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	840	720	17.28	720	
	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	786	909	19.01	792	
	Goindwal(GVK) (2*270)	540	246	246	5.86	244	
	Rajpura (2*700)	1400	1320	1320	31.26	1303	
	Talwandi Saboo (3*660)	1980	1300	1700	36.56	1523	
	Thermal (Total)	6560	4492	4895	109.99	4583	
	Total Hydro	1000	518	581	13.76	573	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	2.66	111	
	Solar	859	0	0	3.19	133	
	Renewable(Total)	1162	0	0	5.85	244	
	Total Punjab	8722	5010	5476	129.59	5400	
	Haryana	Panipat TPS (2*210+2*250)	920	570	743	15.52	647
		DCRTPP (Yamuna nagar) (2*300)	600	470	473	11.45	477
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (khedan) (IPP) (2*600)		1200	748	745	17.95	748	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	744	876	20.67	861	
Thermal (Total)		4497	2532	2837	65.59	2733	
Total Hydro		62	18	15	0.45	19	
Wind Power		0	0	0	0.00	0	
Biomass		106	0	0	0.54	23	
Solar		50	0	0	0.09	4	
Renewable(Total)		156	0	0	0.63	26	
Total Haryana		4715	2550	2852	66.67	2778	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	938	805	19.49	812
		suratgarh TPS (6*250)	1500	809	1036	23.26	969
	Chabra TPS (4*250)	1000	860	764	18.07	753	
	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	144	151	3.46	144	
	RAPS A (NPC) (1*100+1*200)	300	164	172	3.86	161	
	Barsingsar (NLC) (2*125)	250	222	218	5.58	233	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	710	391	13.22	551	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	481	402	10.22	426	
	Kawai(Adani) (2*660)	1320	1148	1148	24.86	1036	
	Thermal (Total)	9536	5476	5087	122.01	5084	
	Total Hydro	550	0	0	0.00	0	
	Wind power	4292	601	1721	24.36	1015	
	Biomass	102	18	18	0.42	18	
	Solar	1995	0	0	11.92	497	
	Renewable/Others (Total)	6389	619	1739	36.70	1529	
	Total Rajasthan	16475	6095	6826	158.72	6613	
	UP	Anpara TPS (3*210+2*500)	1630	1296	1307	33.30	1388
		Obra TPS (2*50+2*94+5*200)	1194	549	488	12.50	521
		Paricha TPS (2*110+2*220+2*250)	1160	720	824	18.00	750
		Panki TPS (2*105)	210	0	0	0.00	0
		Harduaganj TPS (1*60+1*105+2*250)	665	481	505	11.90	496
Tanda TPS (NTPC) (4*110)		440	310	399	7.57	315	
Roza TPS (IPP) (4*300)		1200	669	737	16.90	704	
Anpara-C (IPP) (2*600)		1200	994	1087	22.30	929	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	223	401	6.60	275	
Anpara-D(2*500)		1000	935	919	21.80	908	
Lalitpur TPS(3*660)		1980	1583	990	27.10	1129	
Bara(3*660)		1980	828	794	20.10	838	
Thermal (Total)		13109	8588	8451	198.07	8253	
Vishnupurag HPS (IPP)(4*110)		440	435	436	10.50	438	
Alaknanda(4*82.5)		330	156	247	5.60	233	
Other Hydro		527	40	43	0.90	38	
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	2.80	117	
Renewable(Total)	498	0	0	2.80	117		
Total UP	16264	9469	9427	223.87	9328		
Uttarakhand	Other Hydro	1250	780	608	17.96	748	
	Total Gas	450	280	272	6.60	275	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.39	16	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.39	16	
	Total Uttarakhand	2107	1060	880	24.95	1040	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	132	122	3.29	137	
	Pragati Gas Turbine (2x104+ 1x122)	330	257	274	6.42	267	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	561	695	13.52	564	
	Badarpur TPS (NTPC) (3*95+2*210)	705	306	377	6.69	279	
	Thermal (Total)	2917	1256	1467	29.92	1246	
	Wind Power	0	0	0	0.00	0	
	Biomass	16	35	39	1.04	43	
	Solar	2	0	0	0.00	0	
	Renewable(Total)	18	35	39	1.04	43	
Total Delhi	2935	1291	1506	30.95	1290		

HP	Baspa HPS (IPP) (3*100)	300	331	331	7.92	330	
	Malana HPS (IPP) (2*43)	86	74	62	0.98	41	
	Other Hydro (>25MW)	372	308	306	6.76	282	
	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	118	125	2.83	118	
	Renewable(Total)	486	118	125	2.83	118	
	Total HP	1244	832	824	18.48	770	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	881	881	21.16	882
		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	1057	1059	25.40	1058	
Total State Control Area Generation		53860	27363	28850	678.63	28276	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		11296	13879.03	302.31	12596		
Total Regional Availability(Gross)		80027	58674	58319	1374.58	57274	

IV. Total Hydro Generation:

Regional Entities Hydro	12564	10871	7235	197.30	8174
State Control Area Hydro	7468	4116	4085	90.23	4168
Total Regional Hydro	20032	14986	11320	287.53	12343

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.09	4
State Control Area Renewable	9214	772	1903	50.23	2093
Total Regional Renewable	9244	772	1903	50.32	2096

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

Element	Peak(20:00 Hrs)	Diff Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	250	-250	250	250	2.38	2.85	-0.47
765 KV Gwalior-Agra (D/C)	2245	2661	2955	0	59.04	0.00	59.04
400 KV Zerda-Kankroli	-256	-245	0	399	0.00	6.04	-6.04
400 KV Zerda-Bhinmal	-251	-221	0	324	0.00	5.03	-5.03
220 KV Auraiya-Malanpur	58	80	7	0	1.59	0.00	1.59
220 KV Badod-Kota/Morak	-40	-8	63	73	0.00	0.14	-0.14
Mundra-Mohindergarh(HVDC Bipole)	2497	2197	2506	0	54.73	0.00	54.73
400 KV RAPPCC-Sujalpur	-19	164	233	-33	3.26	0.00	3.26
400 KV Vindhychal-Rihand	-958	-962	0	962	0.00	22.17	-22.17
765 KV Phagt-Gwalior (D/C)	774	1176	678	0	27.53	0.00	27.53
+/- 800 KV HVDC Champa-Kurushetra	1500	1500	1500	0	25.04	0	25.04
765KV Orai-Jabalpur	849	1272	773	0	25.47	0	25.47
765KV Orai-Satna	1798	1843	1860	0	43.35	0	43.35
765KV Orai-Gwalior	-307	-357	0	385	0.00	8	-8.36
Sub Total WR	8139	8850			242.39	44.59	197.80
400 kV Sasaram - Varanasi	261	224	263	0	5.62	0.00	5.62
400 kV Sasaram - Allahabad	108	152	160	0	3.13	0.00	3.13
400 kV MZP- GKP (D/C)	176	584	750	0	11.93	0.00	11.93
400 KV Patna-Balia(D/C) X 2	594	893	0	1071	17.78	0.00	17.78
400 KV B'Sharif-Balia (D/C)	301	578	0	615	12.14	0.00	12.14
765 KV Gaya-Balia	470	638	0	645	16.58	0.00	16.58
765 KV Gaya-Varanasi (D/C)	210	608	609	0	10.56	0.00	10.56
220 KV Pusaui-Sahupuri	151	170	177	0	3.87	0.00	3.87
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-15	-6	0	19	0.00	0.22	-0.22
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-282	-69	40	282	0.00	2.75	-2.75
400 KV Mothari -GKP (D/C)	45	113	148	0	1.66	0.00	1.66
400 kV B'Sharif - Varanasi (D/C)	138	144	216	152	1.04	0.00	1.04
+/- 800 KV HVDC Alipurduar-Agra	300	300	300	0	6.98	0.00	6.98
Sub Total ER	2457	4329			91.29	2.97	88.32
+/- 800 KV HVDC Biswanath-Charialli-Agra	700	700	700	0.00	16.18	0.00	16.18
Sub Total NER	700	700			16.18	0.00	16.18
Total IR Exch	11296	13879			349.87	47.56	302.31

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
60.24	1.51	61.75	44.78	44.96	-0.72	9.69	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
104.30	196.57	300.87	104.51	197.80	302.31	0.21	1.23	1.44

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

Element	Peak(20:00 Hrs)	Diff Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-16	-26	0	28	0	0	-0.45

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	3.80	44.30	79.40	16.90	0.70	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)	
50.13	13.00	49.81	21.10	50.00	0.026	0.051	50.10	49.86	20.60

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	3:35	399	0:12	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	5:23	399	21:42	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	412	17:02	395	0:17	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	17:00	403	14:43	0.0	0.0	0.0	0.0	0.0
Dadri	400	412	7:01	396	14:38	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	413	7:04	393	14:43	0.0	0.0	0.0	0.0	0.0
Bawana	400	410	6:59	394	0:09	0.0	0.0	0.0	0.0	0.0
Bassi	400	417	17:01	398	0:04	0.0	0.0	0.0	0.0	0.0
Hissar	400	408	7:01	390	14:44	0.0	0.0	0.0	0.0	0.0
Moga	400	406	7:01	391	14:30	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	409	6:57	395	11:20	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	409	7:01	396	14:32	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	404	2:56	396	11:30	0.0	0.0	0.0	0.0	0.0
Wagooora	400	402	2:59	391	10:58	0.0	0.0	0.0	0.0	0.0
Amritsar	400	404	6:55	390	14:22	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	400	20:46	396	16:15	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	404	6:56	386	0:16	0.0	11.4	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	8:00	752	14:43	0.0	0.0	0.0	0.0	0.0
Balia	765	786	5:23	763	14:44	0.0	0.0	0.0	0.0	0.0
Moga	765	792	7:04	759	14:43	0.0	0.0	0.0	0.0	0.0
Agra	765	791	7:02	761	14:42	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	793	7:04	754	14:40	0.0	0.0	0.0	0.0	0.0
Unnao	765	774	18:13	747	14:43	0.0	0.0	0.0	0.0	0.0
Lucknow	765	788	17:04	760	14:44	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	789	7:01	750	14:42	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	794	17:00	762	14:43	0.0	0.0	0.0	0.0	0.0
Anta	765	788	8:05	764	14:47	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	7:04	765	14:47	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	454.90	77.59	476.70	387.82	666.21	1015.98
Pong	426.72	384.05	390.00	55.55	393.12	97.37	27.33	224.55
Tehri	829.79	740.04	742.85	13.45	743.65	17.34	228.80	144.00
Koteswar	612.50	598.50	610.63	4.88	611.01	4.95	144.00	139.65
Chamera-I	760.00	748.75	752.02	0.00	0.00	0.00	164.77	153.33
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	501.54	5.24	513.39	9.87	138.36	233.60

* 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	1925	397	0	1578	397	0	44.66	9.53	54.19
Delhi	1149	-314	0	1055	-518	0	28.13	-7.32	20.81
Haryana	1911	1	0	1644	0	0	34.28	-0.28	34.00
HP	-1481	324	0	-1380	39	0	-30.75	1.95	-28.80
J&K	-1092	280	0	-1092	464	0	-26.22	11.45	-14.77
CHD	0	24	0	0	0	0	0.00	0.64	0.64
Rajasthan	-52	-1472	0	-52	-1421	0	-1.22	-17.94	-19.16
UP	2224	616	0	1830	490	0	47.02	5.14	52.16
Uttarakhand	-143	467	0	-143	320	0	-3.44	8.43	4.99
Total	4440	322	0	3439	-228	0	92.46	11.60	104.06

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1925	1578	397	397	0	0
Delhi	1258	1048	168	-845	0	0
Haryana	1911	1166	199	-199	0	0
HP	-1151	-1482	324	-225	0	0
J&K	-1092	-1092	559	280	0	0
CHD	0	0	73	0	0	0
Rajasthan	-44	-52	40	-1802	0	0
UP	2257	1792	792	-176	0	0
Uttarakhand	-143	-143	477	9	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	4.17%
ER	0.00%
Simultaneous	16.32%

(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	9
Haryana	2	23
Rajasthan	1	15
Delhi	6	46
UP	0	7
Uttarakhand	2	15
HP	2	35
J & K	2	20
Chandigarh	5	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.06.2018 :

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 : 26.06.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER