

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 25.06.2018

Date of Reporting : 26.06.2018



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
57795	485	58279	50.02	57577	872	58449	49.99	1394.09	14.46

* 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	111.87	14.43	0.00	4.16	0.00	2.66	133.12	136.61	135.63	-0.98	268.74	0.00
Haryana	71.76	0.50	0.00	0.15	0.00	0.68	73.08	138.22	140.42	2.20	213.49	0.72
Rajasthan	124.49	0.00	3.63	7.90	23.58	4.45	164.05	57.54	55.89	-1.65	219.94	0.00
Delhi	6.74	0.00	23.47	0.00	0.00	0.00	30.22	106.74	106.04	-0.70	136.26	0.05
UP	211.36	17.79	0.00	2.20	0.00	6.00	237.35	193.86	194.24	0.38	431.59	1.80
Uttarakhand	0.00	17.58	5.11	0.74	0.00	0.00	23.43	19.55	21.78	2.23	45.20	1.58
HP	0.00	15.67	0.00	0.00	0.00	2.89	18.55	7.83	10.20	2.37	28.75	0.00
J & K	0.00	25.41	0.00	0.00	0.00	0.00	25.41	19.38	18.14	-1.84	43.55	10.31
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.26	6.58	0.32	6.58	0.00
Total	526.23	91.37	32.21	15.14	23.58	16.67	705.19	686.59	688.90	2.31	1394.09	14.46

* 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	11124	0	-131	1975	10631	0	-79	2322	11766	14	0
Haryana	8860	0	82	1621	9495	0	83	1798	9783	15	305
Rajasthan	7994	0	207	-792	8825	0	-117	-131	10013	8	0
Delhi	5250	0	-107	548	5953	0	164	665	6750	17	0
UP	19107	0	-467	2091	18068	610	-63	2173	19193	21	0
Uttarakhand	2023	0	88	177	1844	0	161	48	2103	21	0
HP	1228	0	-74	-1531	1040	0	53	-1406	1423	17	0
J&K	1940	485	1	-406	1485	262	-182	-682	2048	7	512
Chandigarh	269	0	-28	0	236	0	21	0	341	15	0
Total	57795	485	-429	3683	57577	872	41	4786	60594	15	1119

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

III. Regional Entities :

A. NTPC	Station/ Constituent	Inst. Capacity	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
		(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
	Singrauli STPS (6*200+2*500)	2000	1200	1327	1337	29.62	1234	28.80	0.81
	Rihand I STPS (2*500)	1000	815	881	1040	19.55	814	19.53	0.01
	Rihand II STPS (2*500)	1000	943	1010	1008	22.33	930	22.62	-0.29
	Rihand III STPS (2*500)	1000	943	1001	1008	22.55	939	22.61	-0.07
	Dadri I STPS (4*210)	840	769	711	707	16.17	674	17.03	-0.86
	Dadri II STPS (2*490)	980	929	866	892	20.43	851	21.46	-1.03
	Unchahar I TPS (2*210)	420	382	383	393	8.56	357	9.05	-0.49
	Unchahar II TPS (2*210)	420	382	395	396	8.43	351	8.70	-0.27
	Unchahar III TPS (1*210)	210	191	202	176	4.12	172	4.33	-0.21
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjar) (3*500)	1500	856	893	954	19.99	833	19.96	0.03
	Dadri GPS (4*130.19+2*154.51)	830	0	281	299	6.75	281	7.03	-0.29
	Anta GPS (3*88.71+1*153.2)	419	0	222	252	5.65	236	5.70	-0.05
	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	0.04	0.01
	Singrauli Solar(15)	15	2	0	0	0.06	2	0.04	0.02
	KHEP(4*200)	800	872	767	604	12.46	519	12.35	0.11
	Sub Total (A)	12612	8286	8939	9066	197	8196	199	-2.56
B. NPC	NAPS (2*220)	440	181	207	208	4.30	179	4.34	-0.04
	RAPS- B (2*220)	440	352	400	397	8.53	356	8.45	0.08
	RAPS- C (2*220)	440	405	452	450	9.62	401	9.78	-0.16
	Sub Total (B)	1320	938	1059	1055	22.45	935	22.57	-0.12
C. NHPC	Chamera I HPS (3*180)	540	534	541	10	5.66	236	5.50	0.16
	Chamera II HPS (3*100)	300	296	299	204	5.38	224	5.31	0.07
	Chamera III HPS (3*77)	231	169	231	154	4.05	169	3.95	0.10
	Bairasul HPS(3*60)	180	52	120	51	1.22	51	1.19	0.03
	Salaj-HPS (6*115)	690	589	670	610	14.92	622	14.14	0.78
	Tanakpur-HPS (3*31.4)	94	63	77	53	1.62	68	1.51	0.11
	Uri-I HPS (4*120)	480	382	350	407	9.51	396	9.16	0.35
	Uri-II HPS (4*60)	240	216	244	224	5.24	218	5.17	0.07
	Dhauliganga-HPS (4*70)	280	278	281	216	4.78	199	4.66	0.12
	Dulhasti-HPS (3*130)	390	385	399	397	9.35	390	9.25	0.10
	Sewa-II HPS (3*40)	120	125	117	0	0.39	16	0.40	-0.01
	Parbati 3 (4*130)	520	62	503	0	1.50	62	1.48	0.02
	Kishanganga(3*110)	330	31	160	0	0.72	30	0.71	0.01
	Sub Total (C)	4395	3181	3992	2327	64	2681	62	1.91
D.SJVNL	NJPC (6*250)	1500	1605	1502	1278	33.74	1406	33.66	0.08
	Rampur HEP (6*68.67)	412	442	428	372	9.66	402	9.31	0.35
	Sub Total (D)	1912	2047	1930	1650	43.40	1808	42.97	0.43
E. THDC	Tehri HPS (4*250)	1000	506	510	0	3.30	137	3.30	0.00
	Koteswar HPS (4*100)	400	75	100	70	1.83	76	1.81	0.02
	Sub Total (E)	1400	581	610	70	5.12	214	5.11	0.01
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	968	1106	823	23.27	970	23.24	0.03
	Dehar HPS (6*165)	990	474	825	330	11.48	478	11.39	0.09
	Pong HPS (6*68)	396	110	141	48	2.70	112	2.64	0.05
	Sub Total (F)	2765	1553	2072	1201	37.45	1560	37.27	0.17
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	96	73	1.59	66	1.92	-0.33
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	810	20.28	845	20.22	0.06
	Malana Sta-II HPS (2*50)	100	0	80	0	1.02	42	0.95	0.07
	Shree Cement TPS (2*150)	300	0	203	205	4.62	192	4.72	-0.10
	Budhil HPS(IPP) (2*35)	70	0	70	45	1.14	48	1.65	-0.51
	Sani HPS (IPP) (2*50)	100	0	0	0	0.00	1.31	0.00	0.00
	Sub Total (G)	1762	0	1449	1133	28.65	1194	29.46	-0.81
H. Total Regional Entities (A-G)		26167	16586	20052	16502	398.12	16588	399.08	-0.96

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	770	740	16.13	672
	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	927	924	19.79	824
	Goindwal(GVK) (2*270)	540	225	60	4.43	185
	Rajpura (2*700)	1400	1320	1320	31.52	1313
	Talwandi Saboo (3*660)	1980	1700	1600	39.98	1666
	Thermal (Total)	6560	4942	4644	111.87	4661
	Total Hydro	1000	634	503	14.43	601
	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	5576	5147	133.12	5547
	Haryana	Panipat TPS (2*210+2*250)	920	743	752	18.08
DCRTPP (Yamuna nagar) (2*300)		600	514	550	12.25	510
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khedan) (IPP) (2*600)		1200	745	735	18.12	755
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	737	1179	23.31	971
Thermal (Total)		4497	2739	3216	71.76	2990
Total Hydro		62	25	32	0.50	21
Wind Power		0	0	0	0.00	0
Biomass		106	0	0	0.68	28
Solar		50	0	0	0.15	6
Renewable(Total)		156	0	0	0.82	34
Total Haryana		4715	2764	3248	73.08	3045
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	819	819	19.38
	suratgarh TPS (6*250)	1500	1052	1062	25.02	1042
	Chabra TPS (4*250)	1000	735	739	19.54	814
	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	152	153	3.63	151
	RAPS A (NPC) (1*100+1*200)	300	164	170	3.93	164
	Barsingsar (NLC) (2*125)	250	220	194	5.55	231
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	526	480	17.20	717
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	403	11.23	468
	Kawai(Adani) (2*660)	1320	1107	970	26.58	1108
	Thermal (Total)	9536	5184	4990	132.05	5502
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	615	1495	23.58	982
	Biomass	102	22	22	0.52	22
	Solar	1995	27	0	7.90	329
	Renewable/Others (Total)	6389	664	1517	32.00	1333
	Total Rajasthan	16475	5848	6507	164.05	6835
	UP	Anpara TPS (3*210+2*500)	1630	1306	1333	33.09
Obra TPS (2*50+2*94+5*200)		1194	520	486	12.24	510
Paricha TPS (2*110+2*220+2*250)		1160	810	891	20.80	867
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	493	413	11.59	483
Tanda TPS (NTPC) (4*110)		440	390	395	9.00	375
Roza TPS (IPP) (4*300)		1200	1000	746	19.60	816
Anpara-C (IPP) (2*600)		1200	911	1092	23.90	996
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	401	401	9.10	379
Anpara-D(2*500)		1000	1032	910	21.78	908
Lalitpur TPS(3*660)		1980	1348	1029	26.39	1100
Bara(3*660)		1980	1161	740	23.88	995
Thermal (Total)		13109	9372	8436	211.36	8807
Vishnupurayag HPS (IPP)(4*110)		440	435	435	10.47	436
Alakananda(4*82.5)		330	230	160	5.06	211
Other Hydro		527	44	216	2.26	94
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	2.20	92
Renewable(Total)		498	0	0	2.20	92
Total UP	16264	10331	9497	237.35	9890	
Uttarakhand	Other Hydro	1250	714	601	17.58	732
	Total Gas	450	182	282	5.11	213
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.74	31
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.74	31
	Total Uttarakhand	2107	896	883	23.43	976
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	127	130	3.22	134
	Pragati Gas Turbine (2x104+ 1x122)	330	261	260	6.46	269
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	558	555	13.80	575
	Badarpur TPS (NTPC) (3*95+2*210)	705	300	306	6.74	281
	Thermal (Total)	2917	1246	1251	30.22	1259
	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	1246	1251	30.22	1259	

HP	Baspa HPS (IPP) (3*100)	300	330	330	7.92	330	
	Malana HPS (IPP) (2*43)	86	80	20	0.94	39	
	Other Hydro (>25MW)	372	301	340	6.81	284	
	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	133	134	2.89	120	
	Renewable(Total)	486	133	134	2.89	120	
	Total HP	1244	844	823	18.55	773	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	881	883	21.17	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	1061	25.41	1059	
Total State Control Area Generation		53860	28562	28417	705.19	29383	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		1105	13192.61	313.18	13049		
Total Regional Availability(Gross)		80027	59718	58111	1416.48	59020	

IV. Total Hydro Generation:

Regional Entities Hydro	12564	10547	6735	186.79	7735
State Control Area Hydro	7468	4165	4113	91.37	4171
Total Regional Hydro	20032	14713	10848	278.16	11906

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	9214	797	1651	45.47	1894
Total Regional Renewable	9244	797	1651	45.60	1900

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	-100	250	250	1.25	2.49	-1.24
765 KV Gwalior-Agra (D/C)	1392	2673	2845	0	59.28	0.00	59.28
400 KV Zerda-Kankroli	-173	-254	0	381	0.00	5.86	-5.86
400 KV Zerda-Bhinmal	-100	-237	0	338	0.00	4.92	-4.92
220 KV Auraiya-Malanpur	102	22	34	0	0.82	0.00	0.82
220 KV Badod-Kota/Morak	-52	9	71	52	0.36	0.00	0.36
Mundra-Mohindergarh(HVDC Bipole)	2200	2304	2505	0	55.16	0.00	55.16
400 KV RAPPC-Sujalpur	148	196	284	9	3.89	0.00	3.89
400 KV Vindhychal-Rihand	-954	-958	0	964	0.00	22.72	-22.72
765 kv Phagt-Gwalior (D/C)	949	1345	1406	0	28.32	0.00	28.32
+/- 800 KV HVDC Champa-Kurushetra	1500	1500	1500	0	32.22	0	32.22
765KV Orai-Jabalpur	1137	1463	747	0	29.07	0	29.07
765KV Orai-Satna	1902	1867	1902	0	43.92	0	43.92
765KV Orai-Gwalior	-348	-480	0	532	0.00	11	-10.87
Sub Total WR	7454	9351			254.29	46.85	207.44
400 kV Sasaram - Varanasi	262	-28	269	0	3.72	0.00	3.72
400 kV Sasaram - Allahabad	113	14	149	5	1.28	0.00	1.28
400 KV MZP- GKP (D/C)	376	630	798	0	13.99	0.00	13.99
400 KV Patna-Balia(D/C) X 2	660	864	1008	0	20.29	0.00	20.29
400 KV B Sharif-Balia (D/C)	419	509	555	0	12.26	0.00	12.26
765 KV Gaya-Balia	582	526	606	0	12.66	0.00	12.66
765 KV Gaya-Varanasi (D/C)	352	637	649	0	12.28	0.00	12.28
220 KV Pusaui-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-10	-14	0	25	0.00	0.32	-0.32
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-258	72	179	281	0.18	0.00	0.18
400 KV Mothari -GKP (D/C)	84	173	173	0	2.52	0.00	2.52
400 kV B Sharif - Varanasi (D/C)	71	-241	323	111	3.70	0.00	3.70
+/- 800 KV HVDC Alipurduar-Agra	300	300	400	0	7.06	0.00	7.06
Sub Total ER	2951	3442			90.90	0.32	90.58
+/- 800 KV HVDC Biswanath Chariali-Agra	700	400	1000	0.00	15.16	0.00	15.16
Sub Total NER	700	400			15.16	0.00	15.16
Total IR Exch	11105	13193			360.34	47.17	313.18

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
63.54	1.45	64.99	45.31	43.78	-0.72	7.69	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
108.13	201.50	309.63	105.74	207.44	313.18	-2.39	5.94	3.55

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	-10	-22	0	29	0	1	-0.53

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	1.50	47.60	84.40	13.20	0.90	0.00	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)	(%)
50.13	8.35	49.86	16.23	50.00	0.022	0.047	50.10	49.91	15.60

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	17:04	399	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	6:05	396	19:34	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	412	6:03	393	20:50	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	17:21	401	0:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	410	6:02	393	11:49	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	410	6:03	391	11:49	0.0	0.0	0.0	0.0	0.0
Bawana	400	408	6:01	392	11:43	0.0	0.0	0.0	0.0	0.0
Bassi	400	413	19:01	392	0:05	0.0	0.0	0.0	0.0	0.0
Hissar	400	404	6:03	389	11:43	0.0	1.3	0.0	0.0	0.0
Moga	400	403	6:02	390	11:42	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	410	6:03	394	11:44	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	409	6:09	395	11:53	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	404	2:58	396	11:43	0.0	0.0	0.0	0.0	0.0
Wagooora	400	403	2:59	390	6:43	0.0	0.0	0.0	0.0	0.0
Amritsar	400	403	7:02	390	11:50	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	402	3:11	395	16:34	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	409	6:02	386	11:48	0.0	16.2	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	778	17:18	747	0:07	0.0	0.0	0.0	0.0	0.0
Balia	765	788	6:09	760	19:54	0.0	0.0	0.0	0.0	0.0
Moga	765	786	6:01	758	11:50	0.0	0.0	0.0	0.0	0.0
Agra	765	792	17:22	752	0:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	786	6:03	759	0:18	0.0	0.0	0.0	0.0	0.0
Unnao	765	767	6:07	742	19:53	0.0	0.0	0.0	0.0	0.0
Lucknow	765	794	6:09	754	19:54	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	786	17:21	752	11:49	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	795	6:09	759	19:53	0.0	0.0	0.0	0.0	0.0
Anta	765	785	17:30	764	0:25	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	17:24	764	0:00	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	455.61	86.44	476.68	387.82	572.28	1017.85
Pong	426.72	384.05	390.23	55.55	393.00	93.10	22.99	232.96
Tehri	829.79	740.04	742.20	10.33	743.10	14.66	213.79	120.00
Koteswar	612.50	598.50	610.48	4.90	610.68	4.95	120.00	120.37
Chamera-I	760.00	748.75	751.89	0.00	0.00	0.00	147.82	153.98
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	501.79	4.99	513.53	9.66	144.53	207.31

* 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	43.77	9.53	53.30
Delhi	1164	-500	0	1071	-524	0	28.44	-10.01	18.43
Haryana	1797	0	0	1621	0	0	33.66	-2.40	31.26
HP	-1480	75	0	-1380	-151	0	-30.64	0.21	-30.43
J&K	-1092	410	0	-1092	687	0	-26.22	15.81	-10.41
CHD	0	0	0	0	0	0	0.00	0.12	0.12
Rajasthan	-52	-79	0	-52	-739	0	-1.25	-6.16	-7.41
UP	2173	0	0	1811	280	0	47.04	1.02	48.06
Uttarakhand	-143	191	0	-143	320	0	-3.44	5.37	1.93
Total	4291	495	0	3413	270	0	91.36	13.49	104.85

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	1266	1057	69	-941	0	0
Haryana	1797	1136	9	-713	0	0
HP	-1143	-1482	294	-254	0	0
J&K	-1092	-1092	790	302	0	0
CHD	0	0	64	-10	0	0
Rajasthan	-52	-52	15	-1399	0	0
UP	2201	1779	593	-500	0	0
Uttarakhand	-143	-143	431	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	3.47%
ER	0.00%
Simultaneous	7.64%

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

WR	35.76%
ER	0.00%
Simultaneous	52.43%

(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	11
Haryana	1	20
Rajasthan	3	18
Delhi	4	26
UP	0	12
Uttarakhand	3	16
HP	5	28
J & K	2	16
Chandigarh	7	77

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.06.2018 :

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 : 25.06.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER