

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.06.2017
Date of Reporting : 27.06.2017



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
51751	2025	53775	49.94	53582	330	53912	50.02	1234.35	17.94

* Half hourly (two 15 minutes block-one block each before and after the designated time) average frequency

UI (OD:(+ve), UD: (-ve))

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	Renewable/others \$	Total					
Punjab	78.98	18.69	0.29	97.95	138.67	138.80	0.13	236.76	0.00
Haryana	49.56	0.67	0.00	50.23	128.79	130.80	2.01	181.03	2.71
Rajasthan	104.67	0.00	8.53	113.21	80.81	84.34	3.53	197.55	1.50
Delhi	17.96	0.00	0.00	17.96	100.88	100.22	-0.66	118.18	0.00
UP	189.91	21.36	0.00	211.27	168.65	173.26	4.61	384.53	3.17
Uttarakhand		19.31	7.01	26.32	13.64	12.83	-0.81	39.15	0.15
HP		18.76	5.45	24.21	-0.48	2.75	3.23	26.96	0.00
J & K		26.03	0.00	26.03	18.20	18.12	-0.08	44.15	10.41
Chandigarh				0.00	6.37	6.05	-0.33	6.05	0.00
Total	441.08	104.82	21.28	567.18	655.54	667.17	11.63	1234.35	17.94

* Shortage furnished by the respective constituent. Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve))

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	10476	0	-268	2091	9801	0	59	1922	10696	21	0
Haryana	7958	182	173	787	7756	30	42	915	8773	24	21
Rajasthan	7593	0	-117	280	8749	0	136	227	9093	1	97
Delhi	4737	0	-115	866	5156	0	135	972	5929	24	0
UP	16012	1385	562	1037	17690	0	193	1652	17690	3	0
Uttarakhand	1835	0	58	-287	1538	0	-184	-81	1866	21	0
HP	1045	0	61	-1473	944	0	129	-1528	1287	12	0
J&K	1832	458	40	-863	1700	300	-61	-783	2133	6	533
Chandigarh	262	0	-15	-20	249	0	-14	0	294	22	0
Total	51751	2025	379	2417	53582	330	435	3296	54710	1	947

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

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III. Regional Entities :

UI (OG:(+ve), UG: (-ve))

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 (5*200+2*500)	2000	1780	1935	1920	42.99	1791	42.61		0.38
Rihand I STPS (2*500)	1000	923	1006	1010	21.96	915	22.08		-0.12
Rihand II STPS (2*500)	1000	943	1019	995	22.81	950	22.48		0.33
Rihand III STPS (2*500)	1000	943	1017	933	22.53	939	22.38		0.15
Dadri I STPS (4*210)	840	769	194	211	4.40	184	4.52		-0.12
Dadri II STPS (2*490)	980	929	805	810	18.62	776	19.56		-0.94
Unchahar I TPS (2*210)	420	350	296	291	6.51	271	7.24		-0.73
Unchahar II TPS (2*210)	420	383	413	306	8.03	335	8.59		-0.56
Unchahar III TPS (1*210)	210	192	209	164	4.09	170	4.39		-0.30
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajjhar) (3*500)	1500	948	996	943	20.48	853	20.86		-0.39
Dadri GPS (4*130.19+2*154.51)	830	690	159	243	6.04	252	6.32		-0.28
Anta GPS (3*88.71+1*153.2)	419	386	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	608	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	0.06		0.00
KHEP(4*200)	800	792	864	717	20.56	857	19.01		1.55
Sub Total (A)	12612	10639	8913	8543	199	8298	200		-1.04
B. NPC									
NAPS (2*220)	440	378	402	413	8.89	371	9.07		-0.18
RAPS- B (2*220)	440	369	396	401	8.53	355	8.80		-0.27
RAPS- C (2*220)	440	430	331	260	9.55	398	10.32		-0.77
Sub Total (B)	1320	1177	1129	1074	26.97	1124	28.19		-1.22
C. NHPC									
Chamera I HPS (3*180)	540	534	555	541	13.23	551	12.82		0.41
Chamera II HPS (3*100)	300	301	308	303	7.24	302	7.22		0.02
Chamera III HPS (3*77)	231	232	238	237	5.63	235	5.56		0.07
Bairasuli HPS(3*60)	180	179	184	184	3.25	135	3.19		0.05
Salal-HPS (6*115)	690	668	662	677	16.19	674	16.04		0.15
Tanakpur-HPS (3*31.4)	94	57	50	68	1.63	68	1.36		0.27
Uri-I HPS (4*120)	480	474	481	481	11.60	483	11.38		0.22
Uri-II HPS (4*60)	240	239	244	245	5.82	243	5.72		0.10
Dhauliganga-HPS (4*70)	280	280	293	290	6.91	288	6.74		0.17
Dulhasti-HPS (3*130)	390	386	400	395	9.29	387	9.26		0.03
Sewa-II HPS (3*40)	120	126	131	121	3.07	128	3.02		0.04
Parbati 3 (4*130)	520	514	515	0	4.40	183	4.29		0.11
Sub Total (C)	4065	3989	4060	3542	88	3677	87		1.64
D. SJVNL									
NJPC (6*250)	1500	1482	1558	1523	37.12	1547	35.57		1.55
Rampur HEP (6*68.67)	412	408	430	424	10.30	429	9.79		0.50
Sub Total (D)	1912	1890	1988	1947	47.41	1976	45.36		2.05
E. THDC									
Tehri HPS (4*250)	1000	504	519	0	4.76	198	4.60		0.16
Koteshwar HPS (4*100)	400	104	203	91	2.54	106	2.49		0.05
Sub Total (E)	1400	608	722	91	7.29	304	7.09		0.20
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	928	1279	818	22.30	929	22.27		0.03
Dehar HPS (6*165)	990	595	660	560	14.50	604	14.28		0.21
Pong HPS (6*66)	396	60	300	0	1.49	62	1.45		0.04
Sub Total (F)	2765	1583	2239	1378	38.28	1595	38.00		0.28
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	230	230	5.25	219	4.80		0.45
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.37	1099	26.08		0.28
Malana Stg-II HPS (2*50)	100	0	112	106	2.47	103	2.29		0.18
Shree Cement TPS (2*150)	300	0	85	91	2.12	88	2.16		-0.03
Budhil HPS(IPP) (2*35)	70	0	74	74	1.76	73	1.67		0.09
Sub Total (G)	1662	0	1602	1601	37.96	1582	36.99		0.97
H. Total Regional Entities (A-G)	25737	19886	20653	18176	445.30	18554	442.41		2.89

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	420	320	8.17	340
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.03	-1
	Guru Har Gobind Singh TPS(L.mbl) (2*210+2*250)	920	0	0	-0.15	-6

	Goindwal(GVK) (2*270)	540	246	180	4.80	200	
	Rajpura (2*700)	1400	1320	1320	31.53	1314	
	Talwandi Saboo (3*660)	1980	1750	1750	34.66	1444	
	Thermal (Total)	6560	3736	3570	78.98	3291	
	Total Hydro	1000	749	788	18.69	779	
	Wind Power	0	0	0	0.00	0	
	Biomass	288	0	0	0.22	9	
	Solar	560	0	0	0.07	3	
	Renewable(Total)	848	0	0	0.29	12	
	Total Punjab	8408	4485	4358	97.95	4081	
Haryana	Panipat TPS (2*210+2*250)	920	225	210	4.25	177	
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	-0.07	-3	
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	180	0	2.47	103	
	RGTPP (khedar) (IPP) (2*600)	1200	727	799	19.20	800	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	871	1163	23.72	988	
	Thermal (Total)	4497	2003	2172	49.56	2065	
	Total Hydro	62	16	29	0.67	28	
	Wind Power	0	0	0	0.00	0	
	Biomass	40	0	0	0.00	0	
	Solar	0	0	0	0.00	0	
	Renewable(Total)	40	0	0	0.00	0	
	Total Haryana	4599	2019	2201	50.23	2093	
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	154	188	4.17	174	
	suratgarh TPS (6*250)	1500	190	217	5.20	216	
	Chabra TPS (4*250)	1000	885	887	21.09	879	
	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	193	192	4.72	197	
	RAPS A (NPC) (1*100+1*200)	300	163	163	4.03	168	
	Barsingar (NLC) (2*125)	250	221	220	4.91	205	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	673	841	19.74	823	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	416	565	12.81	534	
	Kawai(Adani) (2*660)	1320	887	1201	28.02	1168	
	Thermal (Total)	9536	3782	4474	104.67	4361	
	Total Hydro	550	0	0	0.00	0	
	Wind power	4017	464	917	7.97	332	
	Biomass	99	23	23	0.56	24	
	Solar	1295	0	0	0.00	0	
	Renewable/Others (Total)	5411	487	940	8.53	356	
	Total Rajasthan	15497	4269	5414	113.21	4717	
UP	Anpara TPS (3*210+2*500)	1630	935	915	22.87	953	
	Obra TPS (2*50+2*94+5*200)	1194	459	370	9.56	398	
	Paricha TPS (2*110+2*220+2*250)	1160	898	901	21.12	880	
	Panki TPS (2*105)	210	62	68	1.61	67	
	Harduaganj TPS (1*60+1*105+2*250)	665	524	525	12.49	521	
	Tanda TPS (NTPC) (4*110)	440	295	282	7.08	295	
	Roza TPS (IPP) (4*300)	1200	1069	1054	25.53	1064	
	Anpara-C (IPP) (2*600)	1200	566	1122	16.40	683	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	123	231	5.13	214	
	Anpara-D(2*500)	1000	930	940	21.48	895	
	Lalitpur TPS(3*660)	1980	1131	1583	34.12	1422	
	Bara(2*660)	1320	0	608	10.12	422	
	Thermal (Total)	12449	6992	8599	187.51	7813	
	Vishnuparyag HPS (IPP)(4*110)	440	0	435	8.53	355	
	Alakanada(4*82.5)	330	339	247	7.74	322	
	Other Hydro	527	248	201	5.10	212	
	Cogeneration	981	100	100	2.40	100	
	Wind Power	0	0	0	0.00	0	
	Biomass	26	0	0	0.00	0	
	Solar	102	0	0	0.00	0	
	Renewable(Total)	128	0	0	0.00	0	
	Total UP	14855	7679	9582	211.27	8803	
	Uttarakhand	Other Hydro	1250	860	663	19.31	805
		Total Gas	225	271	277	6.49	270
Wind Power		0	0	0	0.00	0	
Biomass		127	0	0	0.00	0	
Solar		20	0	0	0.52	22	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		327	0	0	0.52	22	
Total Uttarakhand	1802	1131	940	26.32	1097		
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	43	36	0.94	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	146	151	3.66	152	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	284	296	7.08	295	
	Badarpur TPS (NTPC) (3*95+2*210)	705	333	171	6.29	262	
	Thermal (Total)	2917	806	654	17.96	748	
	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	806	654	17.96	748		
HP	Baspa HPS (IPP) (3*100)	300	331	321	7.80	325	
	Malana HPS (IPP) (2*43)	86	96	93	2.12	88	
	Other Hydro (>25MW)	372	432	333	8.84	368	
	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	228	237	5.45	227	
	Renewable(Total)	486	228	237	5.45	227	
	Total HP	1244	1086	985	24.21	1009	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	884	884	21.22	884
Other Hydro/IPP(including 98 MW Small Hydro)		308	202	200	4.81	201	
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	1086	1084	26	1085
Total State Control Area Generation	50738	22560	25218	567.18	23633
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		9494	10788	241.28	10053
Total Regional Availability(Gross)	76475	52707	54182	1253.76	52240

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11316	9111	235.87	9828
State Control Area Hydro	7163	4655	4709	110.27	4886
Total Regional Hydro	19397	15971	13820	346.14	14714

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	6
State Control Area Renewable	7356	715	1177	14.79	616
Total Regional Renewable	7386	715	1177	14.93	622

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-300	-50	0	300	0.00	7.55	-7.55
765 KV Gwalior-Agra (D/C)	2698	2515	2698	0	55.12	0.00	55.12
400 KV Zerda-Kankroli	-51	-73	0	162	0.00	2.13	-2.13
400 KV Zerda-Bhinmal	-44	-45	51	199	0.00	1.03	-1.03
220 KV Auraiya-Malanpur	50	36	0	21	0.65	0.00	0.65
220 KV Badod-Kota/Morak	84	72	24	0	2.38	0.00	2.38
Mundra-Mohindergarh(HVDC Bipole)	1600	1501	2506	0	38.65	0.00	38.65
400 KV RAPPC-Sujalpur	331	260	0	0	7.44	0.00	7.44
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1115	1120	258	0	25.70	0.00	25.70
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	34.30	0	34.30
Sub Total WR	6983	6836			164.24	10.71	153.53
400 kV Sasaram - Varanasi	182	163	190	0	4.11	0.00	4.11
400 kV Sasaram - Allahabad	11	25	39	0	0.56	0.00	0.56
400 KV MZP- GKP (D/C)	277	643	675	0	13.67	0.00	13.67
400 KV Patna-Balia(D/C) X 2	267	427	516	0	10.07	0.00	10.07
400 KV B'Sharif-Balia (D/C)	396	598	614	0	12.85	0.00	12.85
765 KV Gaya-Balia	467	589	589	0	11.93	0.00	11.93
765 KV Gaya-Varanasi (D/C)	414	533	0	618	10.73	0.00	10.73
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-22	-30	0	33	0.00	0.67	-0.67
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-197	-64	0	197	0.00	2.01	-2.01
400 KV Barh -GKP (D/C)	204	258	318	0	5.24	0.00	5.24
400 kV B'Sharif - Varanasi (D/C)	37	125	0	201	6.10	0.00	6.10
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2036	3267			75.24	2.68	72.56
+/- 800 KV HVDC BiswanathCharialli-Agra	475	685	700	0.00	15.19	0.00	15.19
Sub Total NER	475	685			15.19	0.00	15.19
Total IR Exch	9494	10788			254.67	13.39	241.28

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
43.81	2.80	46.62	13.74	10.74	10.57	5.88	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
70.92	168.01	238.93	87.75	153.53	241.28	16.82	-14.48	2.35

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-26	-21	0	-28	0	-1	0.55

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	3.39	45.08	78.87	14.50	3.74	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)		
50.21	7.54	49.83	11.41	50.00	0.029	0.054	50.08	49.84	21.13

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	403	5:02	397	16:44	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	6:46	389	23:03	0.0	0.3	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	6:02	391	21:17	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	6:33	398	23:02	0.0	0.0	0.0	0.0	0.0
Dadri	400	410	6:00	392	14:22	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	415	5:59	391	14:38	0.0	0.0	0.0	0.0	0.0
Bawana	400	412	6:00	394	14:35	0.0	0.0	0.0	0.0	0.0
Bassi	400	415	4:00	393	23:07	0.0	0.0	0.0	0.0	0.0
Hissar	400	410	6:00	394	19:35	0.0	0.0	0.0	0.0	0.0
Moga	400	412	5:31	396	19:31	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	411	5:59	392	19:36	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	418	5:36	402	19:13	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	5:50	397	19:25	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	6:00	376	19:45	9.1	48.1	0.0	0.0	9.1
Amritsar	400	416	5:06	401	19:35	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	407	0:00	407	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	417	5:32	393	19:13	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
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Station	Voltage Level (kV)	Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	% Deviat
Fatehpur	765	778	5:10	741	23:04	0.0	0.2	0.0	0.0	0.0
Balia	765	786	6:30	744	21:17	0.0	0.0	0.0	0.0	0.0
Moga	765	789	6:00	758	19:37	0.0	0.0	0.0	0.0	0.0
Agra	765	786	6:32	750	23:05	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	791	5:23	763	23:03	0.0	0.0	0.0	0.0	0.0
Unnao	765	773	6:31	736	23:02	0.0	5.1	0.0	0.0	0.0
Lucknow	765	791	6:47	743	23:03	0.0	0.0	0.0	0.0	0.0
Meerut	765	794	6:01	758	23:17	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	794	6:01	756	23:06	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	790	6:29	746	23:06	0.0	0.0	0.0	0.0	0.0
Anta	765	780	3:57	756	23:04	0.0	0.0	0.0	0.0	0.0
Phagi	765	785	4:02	756	23:03	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	476.70	387.82	479.61	454.47	868.87	848.32
Pong	426.72	384.05	393.12	97.37	391.13	67.89	255.50	123.04
Tehri	829.79	740.04	744.30	21.04	750.25	51.80	304.11	170.00
Koteshwar	612.50	598.50	611.01	4.95	610.09	4.44	170.00	167.42
Chamera-I	760.00	748.75	756.47	0.00	0.00	0.00	401.15	358.93
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	513.39	9.87	503.73	6.92	316.33	405.38

* 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	1922	0	0	1477	614	0	44.21	7.50	51.71
Delhi	972	0	0	880	-14	0	23.38	-0.20	23.18
Haryana	737	178	0	599	188	0	17.39	4.40	21.79
HP	-1387	-141	0	-1241	-233	0	-30.31	-3.13	-33.44
J&K	-823	40	0	-823	-40	0	-19.76	-3.92	-23.68
CHD	0	0	0	0	-20	0	0.00	-0.16	-0.16
Rajasthan	-187	414	0	-187	467	0	-4.48	13.24	8.76
UP	293	1360	0	164	873	0	5.97	8.71	14.67
Uttarakhand	-103	22	0	-404	117	0	-4.05	0.94	-3.12
Total	1423	1873	0	465	1952	0	32.34	27.38	59.72

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	2141	1329	790	0	0	0
Delhi	1348	781	98	-192	0	0
Haryana	754	589	239	-182	0	0
HP	-1152	-1430	-18	-336	0	0
J&K	-823	-823	50	-463	0	0
CHD	0	0	0	-50	0	0
Rajasthan	-187	-187	908	353	0	0
UP	1048	73	1360	-100	0	0
Uttarakhand	-29	-404	152	-156	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	3.13%

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

WR	0.00%
ER	0.00%
Simultaneous	12.15%

(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	1	14
Rajasthan	4	36
Delhi	5	30
UP	3	22
Uttarakhand	5	40
HP	3	27
J & K	2	29
Chandigarh	4	36

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.06.2017 :

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

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 : 26.06.2017

पारी प्रमारी अभियंता / SHIFT CHARGE ENGINEER