

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOR188682

Power Supply Position in Northern Region for 27.06.2017
Date of Reporting : 28.06.2017



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
51731	1670	53401	49.95	51914	1401	53315	49.98	1228.67	22.50

* 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	84.36	18.99	0.27	103.62	136.75	137.09	0.34	240.71	0.00
Haryana	56.58	0.57	0.00	57.15	131.06	134.32	3.27	191.48	0.00
Rajasthan	91.69	0.13	18.78	110.60	71.53	73.95	2.41	184.54	0.00
Delhi	19.69	0.00	0.00	19.69	105.81	106.83	1.03	126.53	0.03
UP	172.47	22.57	0.00	195.04	170.53	174.94	4.41	369.98	12.78
Uttarakhand	21.00	7.00	7.00	28.00	13.16	13.14	-0.01	41.15	0.00
HP	18.81	5.86	24.67	24.67	-0.28	2.96	3.25	27.63	0.13
J & K	26.00	0.00	26.00	26.00	15.71	14.44	-1.27	40.45	9.57
Chandigarh	0.00	6.59	6.21	0.00	6.59	6.21	-0.37	6.21	0.00
Total	424.78	108.08	31.91	564.77	650.85	663.90	13.05	1228.67	22.50

* 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	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	10086	0	-118	1079	9620	0	-17	1803	10654	21	0
Haryana	8464	9	390	749	8123	0	-14	1061	8908	21	24
Rajasthan	6895	0	-181	185	8169	0	328	244	8644	1	97
Delhi	5098	0	-33	928	5394	0	233	942	6180	16	0
UP	16141	1200	41	1674	16232	1150	253	1486	16530	1	880
Uttarakhand	1880	0	76	-123	1697	0	-17	-159	1917	21	0
HP	1085	7	142	-1496	1006	0	122	-1494	1290	9	0
J&K	1817	454	131	-863	1424	251	-100	-1115	1927	21	482
Chandigarh	266	0	-15	-15	249	0	-17	0	302	16	0
Total	51731	1670	433	2117	51914	1401	770	2768	53944	21	2201

* 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 :

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	1834	1611	42.34	1764	41.89	0.45	
Rihand I STPS (2*500)	1000	923	1012	985	21.59	899	21.82	-0.24	
Rihand II STPS (2*500)	1000	943	1004	1010	22.43	935	22.40	0.03	
Rihand III STPS (2*500)	1000	943	1003	999	21.87	911	21.94	-0.07	
Dadri I STPS (4*210)	840	769	332	185	7.08	295	7.46	-0.38	
Dadri II STPS (2*490)	980	929	891	568	17.43	726	18.48	-1.04	
Unchahar I TPS (2*210)	420	350	279	294	6.35	265	7.06	-0.71	
Unchahar II TPS (2*210)	420	383	328	369	7.81	325	8.42	-0.62	
Unchahar III TPS (1*210)	210	192	168	187	3.71	155	4.23	-0.52	
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	1192	1210	1031	24.43	1018	25.10	-0.67	
Dadri GPS (4*130.19+2*154.51)	800	571	172	167	3.85	161	4.04	-0.19	
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	2	0	0	0.06	3	0.05	0.01	
KHEP(4*200)	800	829	866	866	20.76	865	19.93	0.83	
Sub Total (A)	12612	10800	9099	8273	200	8325	203	-3.11	
B. NPC									
NAPS (2*220)	440	374	408	411	8.93	372	8.98	-0.05	
RAPS- B (2*220)	440	369	398	404	8.54	356	8.80	-0.25	
RAPS- C (2*220)	440	430	452	450	9.62	401	10.32	-0.70	
Sub Total (B)	1320	1173	1258	1265	27.09	1129	28.09	-1.00	
C. NHPC									
Chamera I HPS (3*180)	540	534	551	546	13.15	548	12.82	0.34	
Chamera II HPS (3*100)	300	301	307	301	7.24	302	7.22	0.02	
Chamera III HPS (3*77)	231	232	238	237	5.63	234	5.56	0.07	
Bairasuli HPS(3*60)	180	179	184	123	3.70	154	3.57	0.14	
Salal-HPS (6*115)	690	635	669	642	15.52	647	15.25	0.27	
Tanakpur-HPS (3*31.4)	94	65	63	82	1.76	73	1.56	0.20	
Uri-I HPS (4*120)	480	471	482	480	11.55	481	11.31	0.24	
Uri-II HPS (4*60)	240	239	244	245	5.82	243	5.72	0.10	
Dhauliganga-HPS (4*70)	280	281	291	293	6.80	283	6.74	0.06	
Dulhasti-HPS (3*130)	390	386	393	395	9.25	386	9.26	-0.01	
Sewa-II HPS (3*40)	120	126	128	127	3.02	126	3.02	-0.01	
Parbati 3 (4*130)	520	514	0	512	4.53	189	4.52	0.02	
Sub Total (C)	4065	3962	3548	3983	88	3666	87	1.44	
D. SJVNL									
NJPC (6*250)	1500	1482	1632	1505	36.60	1525	35.54	1.06	
Rampur HEP (6*68.67)	412	408	443	410	10.11	421	9.79	0.31	
Sub Total (D)	1912	1890	2075	1915	46.71	1946	45.33	1.37	
E. THDC									
Tehri HPS (4*250)	1000	512	521	0	4.88	203	4.59	0.29	
Koteshwar HPS (4*100)	400	104	202	91	2.74	114	2.71	0.03	
Sub Total (E)	1400	616	723	91	7.62	318	7.30	0.32	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	939	1280	824	22.74	948	22.54	0.20	
Dehar HPS (6*165)	990	594	650	660	14.31	596	14.26	0.04	
Pong HPS (6*66)	396	65	300	0	1.60	67	1.57	0.03	
Sub Total (F)	2765	1599	2230	1484	38.64	1610	38.37	0.27	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	230	5.51	230	5.09	0.43	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.26	1094	26.08	0.18	
Malana Stg-II HPS (2*50)	100	0	113	113	2.67	111	2.49	0.18	
Shree Cement TPS (2*150)	300	0	0	0	0.00	0	2.18	-2.18	
Budhil HPS(IPP) (2*35)	70	0	74	73	1.76	73	1.67	0.09	
Sub Total (G)	1662	0	1517	1517	36.20	1508	37.51	-1.31	
H. Total Regional Entities (A-G)	25737	20040	20450	18528	444.03	18501	446.06	-2.03	

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	480	420	11.90	496
	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	203	92	4.09	170

	Goindwal(GVK) (2*270)	540	180	180	5.27	220	
	Rajpura (2*700)	1400	1320	1320	31.53	1314	
	Talwandi Saboo (3*660)	1980	1460	1700	31.60	1316	
	Thermal (Total)	6560	3643	3712	84.36	3515	
	Total Hydro	1000	764	790	18.99	791	
	Wind Power	0	0	0	0.00	0	
	Biomass	288	0	0	0.20	8	
	Solar	560	0	0	0.07	3	
	Renewable(Total)	848	0	0	0.27	11	
	Total Punjab	8408	4407	4502	103.62	4317	
Haryana	Panipat TPS (2*210+2*250)	920	228	0	4.18	174	
	DCRTPP (Yamuna nagar) (2*300)	600	230	234	5.59	233	
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	185	163	4.15	173	
	RGTPP (khedar) (IPP) (2*600)	1200	843	754	20.24	843	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	810	1131	22.43	935	
	Thermal (Total)	4497	2296	2282	56.58	2358	
	Total Hydro	62	27	25	0.57	24	
	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	2323	2307	57.15	2381	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	154	154	3.90	163
suratgarh TPS (6*250)		1500	180	195	4.62	193	
Chabra TPS (4*250)		1000	722	881	17.90	746	
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	192	189	4.70	196	
RAPS A (NPC) (1*100+1*200)		300	162	164	3.90	163	
Barsingsar (NLC) (2*125)		250	195	218	5.06	211	
Giral LTPS (2*125)		250	0	0	0.00	0	
Rajwest LTPS (IPP) (8*135)		1080	436	538	15.33	639	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	411	409	10.65	444	
Kawai(Adani) (2*660)		1320	859	970	25.62	1067	
Thermal (Total)		9536	3311	3718	91.69	3820	
Total Hydro		550	0	0	0.13	6	
Wind power		4017	705	1536	18.21	759	
Biomass		99	24	24	0.57	24	
Solar		1295	0	0	0.00	0	
Renewable/Others (Total)		5411	729	1560	18.78	782	
Total Rajasthan		15497	4040	5278	110.60	4608	
UP		Anpara TPS (3*210+2*500)	1630	925	930	22.90	954
	Obra TPS (2*50+2*94+5*200)	1194	300	488	10.37	432	
	Paricha TPS (2*110+2*220+2*250)	1160	883	897	21.16	882	
	Panki TPS (2*105)	210	63	77	1.80	75	
	Harduaganj TPS (1*60+1*105+2*250)	665	523	527	12.63	526	
	Tanda TPS (NTPC) (4*110)	440	368	385	9.17	382	
	Roza TPS (IPP) (4*300)	1200	1078	1061	25.56	1065	
	Anpara-C (IPP) (2*600)	1200	501	511	12.53	522	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	122	199	4.80	200	
	Anpara-D(2*500)	1000	900	912	21.66	902	
	Lalitpur TPS(3*660)	1980	1132	1019	27.48	1145	
	Bara(2*660)	1320	0	0	0.00	0	
	Thermal (Total)	12449	6845	7006	170.07	7086	
	Vishnuparyag HPS (IPP)(4*110)	440	435	217	9.12	380	
	Alakanada(4*82.5)	330	341	332	8.13	339	
	Other Hydro	527	202	248	5.32	222	
	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	7923	7903	195.04	8126	
	Uttarakhand	Other Hydro	1250	884	870	21.00	875
		Total Gas	225	271	274	6.53	272
		Wind Power	0	0	0	0.00	0
		Biomass	127	0	0	0.00	0
		Solar	20	0	0	0.47	20
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		327	0	0	0.47	20	
Total Uttarakhand		1802	1155	1144	28.00	1167	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	68	68	1.69	71	
	Pragati Gas Turbine (2x104+ 1x122)	330	146	150	3.64	152	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	290	299	7.00	292	
	Badarpur TPS (NTPC) (3*95+2*210)	705	338	341	7.37	307	
	Thermal (Total)	2917	842	858	19.69	820	
	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	842	858	19.69	820	
	HP	Baspa HPS (IPP) (3*100)	300	330	330	7.84	327
Malana HPS (IPP) (2*43)		86	101	101	2.43	101	
Other Hydro (>25MW)		372	388	374	8.54	356	
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	250	293	5.86	244	
Renewable(Total)		486	250	293	5.86	244	
Total HP		1244	1069	1098	24.67	1028	
J & K		Baglihar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883
	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	1085	1083	26	1084
Total State Control Area Generation	50738	22843	24173	564.77	23532
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		10205	10721	230.92	9622
Total Regional Availability(Gross)	76475	53499	53422	1239.72	51655

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10886	9783	236.15	9840
State Control Area Hydro	7163	5078	4937	113.94	5039
Total Regional Hydro	19397	15963	14719	350.09	14879

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	7356	979	1853	25.37	1057
Total Regional Renewable	7386	979	1853	25.51	1063

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)	-500	-200	0	500	0.00	10.78	-10.78
765 KV Gwalior-Agra (D/C)	2747	2796	3127	0	55.13	0.00	55.13
400 KV Zerda-Kankroli	-71	-189	0	288	0.00	4.13	-4.13
400 KV Zerda-Bhinmal	38	-204	41	307	0.00	3.72	-3.72
220 KV Auraiya-Malanpur	50	72	0	21	0.92	0.00	0.92
220 KV Badod-Kota/Morak	61	77	172	0	2.05	0.00	2.05
Mundra-Mohindergarh(HVDC Bipole)	1998	2203	2515	0	47.46	0.00	47.46
400 KV RAPPC-Sujapur	343	193	408	0	6.47	0.00	6.47
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1080	1317	1447	0	28.65	0.00	28.65
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	33.22	0	33.22
Sub Total WR	7246	7565			173.90	18.63	155.27
400 kV Sasaram - Varanasi	0	0	0	0	0.00	0.00	0.00
400 kV Sasaram - Allahabad	0	0	0	0	0.00	0.00	0.00
400 KV MZP- GKP (D/C)	236	528	604	0	10.17	0.00	10.17
400 KV Patna-Balia(D/C) X 2	668	291	691	0	10.67	0.00	10.67
400 KV B'Sharif-Balia (D/C)	231	369	578	0	7.44	0.00	7.44
765 KV Gaya-Balia	380	442	566	0	8.73	0.00	8.73
765 KV Gaya-Varanasi (D/C)	483	536	590	0	10.70	0.00	10.70
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	-30	-30	0	37	0.00	0.66	-0.66
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-234	-71	1	234	0.00	1.91	-1.91
400 KV Barh -GKP (D/C)	476	288	476	0	7.60	0.00	7.60
400 kV B'Sharif - Varanasi (D/C)	49	103	2	182	2.01	0.00	2.01
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2259	2456			57.31	2.57	54.74
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	1200	0.00	20.90	0.00	20.90
Sub Total NER	700	700			20.90	0.00	20.90
Total IR Exch	10205	10721			252.11	21.20	230.92

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
45.29	2.90	48.19	13.84	10.26	0.70	6.02	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
62.73	166.93	229.66	75.64	155.27	230.92	12.92	-11.66	1.26

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	-9	-10	0	-30	0	-1	0.56

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	50.13	49.91	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	476.82	387.82	479.66	454.47	972.31	860.66
Pong	426.72	384.05	393.48	102.44	391.33	72.04	545.44	131.70
Tehri	829.79	740.04	745.50	26.49	751.25	58.17	369.91	173.00
Koteshwar	612.50	598.50	610.91	4.44	609.95	4.44	173.00	180.34
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	448.46	356.98
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	513.34	10.10	503.60	6.52	314.79	415.82

* 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	1803	0	0	1062	17	0	39.82	0.24	40.05
Delhi	983	-40	0	892	36	0	23.27	0.62	23.89
Haryana	835	226	0	596	153	0	17.67	5.04	22.71
HP	-1311	-183	0	-1190	-306	0	-29.70	-3.67	-33.37
J&K	-823	-292	0	-823	-40	0	-19.76	-2.51	-22.27
CHD	0	0	0	0	-15	0	0.00	0.04	0.04
Rajasthan	-187	431	0	-187	372	0	-4.48	9.93	5.44
UP	318	1168	0	164	1510	0	4.92	11.95	16.88
Uttarakhand	18	-177	0	22	-146	0	0.45	-3.73	-3.27
Total	1636	1132	0	536	1581	0	32.19	17.90	50.09

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1845	1062	48	0	0	0
Delhi	1306	782	108	-107	0	0
Haryana	835	589	250	-108	0	0
HP	-1153	-1398	-72	-344	0	0
J&K	-823	-823	0	-363	0	0
CHD	0	0	20	-20	0	0
Rajasthan	-187	-187	431	372	0	0
UP	888	73	1607	-47	0	0
Uttarakhand	22	15	-20	-315	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	0.00%
ER	0.00%
Simultaneous	9.72%

(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	0	12
Rajasthan	4	31
Delhi	4	19
UP	2	21
Uttarakhand	4	36
HP	3	19
J & K	3	36
Chandigarh	5	47

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.06.2017 :

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 : 27.06.2017

पारी प्रमारी अभियंता / SHIFT CHARGE ENGINEER