

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOH188682

Power Supply Position in Northern Region for 28.06.2017

Date of Reporting : 29.06.2017



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
43813	996	44809	0.00	50424	989	51413	0.00	1086.94	9.37

* 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 MU's:

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	60.47	18.18	0.22	78.86	118.04	115.82	-2.22	194.69	0.00
Haryana	44.98	0.62	0.00	45.60	104.74	95.94	-8.80	141.54	0.00
Rajasthan	77.19	0.31	12.74	90.24	66.72	69.81	3.10	160.06	0.00
Delhi	20.10		0.00	20.10	94.06	92.91	-1.15	113.01	0.17
UP	163.84	23.01	0.00	186.85	182.58	182.54	-0.04	369.39	0.00
Uttarakhand		21.11	6.80	27.91	10.38	9.92	-0.46	37.83	0.00
HP		17.52	6.24	23.76	-0.05	2.38	2.42	26.14	0.00
J & K		26.00	0.00	26.00	14.50	12.85	-1.65	38.86	9.20
Chandigarh				0.00	6.32	5.43	-0.89	5.43	0.00
Total	366.58	106.76	25.99	499.32	597.30	587.62	-9.68	1086.94	9.37

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

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

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	7240	0	-163	1334	9733	0	-78	1805	10103	1	0
Haryana	5252	0	-1159	881	8137	0	-309	978	8660	1	0
Rajasthan	6652	0	99	187	6208	0	392	261	7385	21	0
Delhi	4371	0	-15	778	5398	2	22	824	5900	1	0
UP	15439	520	497	1783	16640	740	53	1363	16868	4	530
Uttarakhand	1719	0	-22	-201	1630	0	11	-192	1719	20	0
HP	1043	7	73	-1461	1035	0	136	-1454	1208	11	0
J&K	1879	470	102	-894	1401	247	-61	-1317	2004	21	501
Chandigarh	218	0	-34	-15	242	0	-31	0	257	1	0
Total	43813	996	-622	2393	50424	989	136	2268	52833	1	1764

* STOA figures are at seller's 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 [OG(+ve), UG: (-ve)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1780	1768	1898	36.03	1501	35.40		0.63
Rihand I STPS (2*500)	1000	923	946	993	19.22	801	19.13		0.10
Rihand II STPS (2*500)	1000	943	965	993	20.53	855	20.42		0.11
Rihand III STPS (2*500)	1000	943	945	988	18.84	785	18.91		-0.07
Dadri I STPS (4*210)	840	769	268	348	6.71	280	6.63		0.07
Dadri II STPS (2*490)	980	929	669	518	13.48	562	14.02		-0.53
Unchahar I TPS (2*210)	420	350	242	254	5.55	231	5.84		-0.30
Unchahar II TPS (2*210)	420	383	254	367	6.02	251	6.30		-0.28
Unchahar III TPS (1*210)	210	192	117	175	2.93	122	3.13		-0.21
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajhar) (3*500)	1500	1200	935	1084	20.43	851	20.53		-0.10
Dadri GPS (4*130, 19+2*154.51)	830	688	230	176	4.54	189	4.73		-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	0.00	0	0.01		-0.01
Unchahar Solar(10)	10	2	0	0	0.05	2	0.05		0.00
Singrauli Solar(15)	15	3	0	0	0.07	3	0.07		0.00
KHEP(4*200)	800	830	868	865	20.84	868	19.93		0.91
Sub Total (A)	12612	10927	8207	8659	175	7302	175		0.12
B. NPC									
NAPS (2*220)	440	371	421	417	9.03	376	8.90		0.13
RAPS- B (2*220)	440	369	398	399	8.53	355	8.80		-0.27
RAPS- C (2*220)	440	430	440	447	9.54	397	10.32		-0.78
Sub Total (B)	1320	1170	1259	1263	27.10	1129	28.02		-0.92
C. NHPC									
Chamera I HPS (3*180)	540	534	552	542	13.11	546	12.82		0.29
Chamera II HPS (3*100)	300	301	309	304	7.25	302	7.22		0.04
Chamera III HPS (3*77)	231	232	237	236	5.58	232	5.56		0.02
Bairasuli HPS(3*60)	180	179	182	123	3.80	158	3.77		0.03
Salal-HPS (6*115)	690	660	680	665	16.08	670	15.84		0.24
Tanakpur-HPS (3*31.4)	94	64	62	72	1.67	69	1.54		0.13
Uri-I HPS (4*120)	480	458	482	391	11.31	471	10.98		0.32
Uri-II HPS (4*60)	240	239	245	244	5.82	243	5.72		0.10
Dhauliganga-HPS (4*70)	280	281	289	289	6.77	282	6.74		0.03
Dulhasti-HPS (3*130)	390	386	395	394	9.29	387	9.26		0.02
Sewa-II HPS (3*40)	120	126	128	129	3.00	125	3.02		-0.02
Parbati 3 (4*130)	520	514	519	128	5.72	238	5.62		0.10
Sub Total (C)	4065	3972	4078	3516	89	3725	88		1.31
D. SJVNL									
NJPC (6*250)	1500	1482	1633	1500	36.58	1524	35.54		1.04
Rampur HEP (6*68.67)	412	408	446	414	10.16	423	9.79		0.36
Sub Total (D)	1912	1890	2079	1914	46.74	1947	45.33		1.40
E. THDC									
Tehri HPS (4*250)	1000	520	528	0	5.20	216	5.00		0.20
Koteshwar HPS (4*100)	400	113	203	92	2.73	114	2.70		0.03
Sub Total (E)	1400	633	731	92	7.92	330	7.70		0.22
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	904	1279	779	21.83	910	21.70		0.13
Dehar HPS (6*165)	990	584	650	600	14.20	592	14.02		0.18
Pong HPS (6*66)	396	58	153	0	1.41	59	1.38		0.03
Sub Total (F)	2765	1546	2082	1379	37.45	1560	37.11		0.34
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	229	232	5.51	230	5.30		0.21
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.08	1087	26.08		0.00
Malana Stg-II HPS (2*50)	100	0	113	113	2.66	111	2.50		0.16
Shree Cement TPS (2*150)	300	0	99	78	2.12	88	2.36		-0.25
Budhli HPS(IPP) (2*35)	70	0	74	74	1.75	73	1.67		0.08
Sub Total (G)	1662	0	1615	1596	38.13	1589	37.92		0.21
H. Total Regional Entities (A-G)	25737	20138	20051	18419	421.96	17582	419.28		2.68

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	160	530	7.72	322
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.03	-1
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	203	253	4.56	190
Goindwal(GVK) (2*270)	540	180	246	4.66	194
Rajpura (2*700)	1400	660	1320	19.78	824
Tahwandi Saboo (3*660)	1980	924	1150	23.78	991

	Thermal (Total)	6560	2127	3499	60.47	2520	
	Total Hydro	1000	750	822	18.18	757	
	Wind Power	0	0	0	0.00	0	
	Biomass	288	0	0	0.20	8	
	Solar	560	0	0	0.02	1	
	Renewable(Total)	848	0	0	0.22	9	
	Total Punjab	8408	2877	4321	78.86	3286	
Haryana	Panipat TPS (2*210+2*250)	920	201	200	4.93	205	
	DCRTPP (Yamuna nagar) (2*300)	600	222	255	5.43	226	
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	159	181	3.62	151	
	RGTPP (khedar) (IPP) (2*600)	1200	379	1146	12.62	526	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	370	534	18.38	766	
	Thermal (Total)	4497	1331	2316	44.98	1874	
	Total Hydro	62	25	31	0.62	26	
	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	1356	2347	45.60	1900	
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	153	153	3.77	157	
	suratgarh TPS (6*250)	1500	182	180	4.38	183	
	Chabra TPS (4*250)	1000	584	543	13.74	573	
	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	151	56	2.63	110	
	RAPS A (NPC) (1*100+1*200)	300	161	160	3.91	163	
	Barsingar (NLC) (2*125)	250	207	141	4.55	190	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	436	436	10.96	457	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	411	411	9.91	413	
	Kawai(Adani) (2*660)	1320	1009	860	23.34	973	
	Thermal (Total)	9536	3294	2940	77.19	3216	
	Total Hydro	550	32	0	0.31	13	
	Wind power	4017	450	383	9.54	398	
	Biomass	99	23	23	0.56	23	
	Solar	1295	0	0	2.63	110	
	Renewable/Others (Total)	5411	473	406	12.74	531	
	Total Rajasthan	15497	3799	3346	90.24	3760	
UP	Anpara TPS (3*210+2*500)	1630	288	942	19.34	806	
	Obra TPS (2*50+2*94+5*200)	1194	314	316	7.60	317	
	Paricha TPS (2*110+2*220+2*250)	1160	797	888	20.59	858	
	Panki TPS (2*105)	210	72	54	1.62	68	
	Harduaganj TPS (1*60+1*105+2*250)	665	518	521	12.31	513	
	Tanda TPS (NTPC) (4*110)	440	376	392	9.00	375	
	Roza TPS (IPP) (4*300)	1200	1065	1062	25.44	1060	
	Anpara-C (IPP) (2*600)	1200	669	509	14.00	583	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	205	203	4.77	199	
	Anpara-D(2*500)	1000	443	899	19.89	829	
	Lalitpur TPS(3*660)	1980	1126	1126	26.88	1120	
	Bara(2*660)	1320	0	0	0.00	0	
	Thermal (Total)	12449	5873	6912	161.44	6727	
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.46	436	
	Alaknanda(4*82.5)	330	338	340	8.20	342	
	Other Hydro	527	219	202	4.35	181	
	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	6965	7989	186.85	7785	
	Uttarakhand	Other Hydro	1250	902	866	21.11	880
Total Gas		225	259	276	6.53	272	
Wind Power		0	0	0	0.00	0	
Biomass		127	0	0	0.00	0	
Solar		20	0	0	0.26	11	
Small Hydro (< 25 MW)		180	0	0	0.00	0	
Renewable(Total)		327	0	0	0.26	11	
Total Uttarakhand		1802	1161	1142	27.91	1163	
Delhi		Raighat TPS (2*67.5)	135	0	0	-0.01	0
		Delhi Gas Turbine (6x30 + 3x34)	282	70	68	1.79	74
	Pragati Gas Turbine (2x104+ 1x122)	330	154	149	3.75	156	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	270	300	6.65	277	
	Badarpur TPS (NTPC) (3*95+2*210)	705	333	334	7.92	330	
	Thermal (Total)	2917	827	851	20.10	838	
	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	827	851	20.10	838		
HP	Baspa HPS (IPP) (3*100)	300	303	334	7.59	316	
	Malana HPS (IPP) (2*43)	86	101	102	2.45	102	
	Other Hydro (>25MW)	372	343	347	7.49	312	
	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	307	243	6.24	260	
	Renewable(Total)	486	307	243	6.24	260	
	Total HP	1244	1054	1027	23.76	990	
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883	
	Other Hydro/IPP(including 98 MW Small Hydro)	308	200	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	1083	1083	26	1084	
Total State Control Area Generation		50738	19122	22105	499.32	20805	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7311	10887	187.97	7832	
Total Regional Availability(Gross)		76475	46484	51411	1109.25	46219	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11280	9210	236.59	9858
State Control Area Hydro	7163	5097	5082	112.99	4991
Total Regional Hydro	19397	16377	14292	349.58	14849

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	7356	780	649	19.46	811
Total Regional Renewable	7386	780	649	19.58	816

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	-500	0	500	0.00	11.48	-11.48
765 KV Gwalior-Agra (D/C)	1858	2516	2669	0	45.97	0.00	45.97
400 KV Zerda-Kankroli	-160	-168	0	232	0.00	4.03	-4.03
400 KV Zerda-Bhinmal	-127	-110	0	217	0.00	3.27	-3.27
220 KV Auraiya-Malanpur	56	60	0	3	1.04	0.00	1.04
220 KV Badod-Kota/Morak	68	70	120	10	1.37	0.00	1.37
Mundra-Mohinderghar(HVDC Bipole)	2501	2501	2506	0	35.83	0.00	35.83
400 KV RAPPCC-Sujalpur	256	315	336	0	6.10	0.00	6.10
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	535	1255	1419	0	22.78	0.00	22.78
+/- 800 kv HVDC Champa-Kurushetra	500	1500	1500	0	22.19	0	22.19
Sub Total WR	4987	7439			135.29	18.77	116.51
400 kv Sasaram - Varanasi	153	142	161	0	3.48	0.00	3.48
400 kv Sasaram - Allahabad	39	51	62	0	1.14	0.00	1.14
400 KV MZP- GKP (D/C)	270	485	547	0	10.07	0.00	10.07
400 KV Patna-Balia(D/C) X 2	460	631	690	0	11.48	0.00	11.48
400 KV B'Sharif-Balia (D/C)	218	282	316	0	6.01	0.00	6.01
765 KV Gaya-Balia	322	407	443	0	7.41	0.00	7.41
765 KV Gaya-Varanasi (D/C)	253	513	562	0	9.50	0.00	9.50
220 KV Pusaali-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	-0.48	0.48
132 KV Son Ngr-Rihand	-30	-35	0	-37	0.00	-0.65	0.65
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-230	-101	0	262	0.00	3.19	-3.19
400 KV Barh -GKP (D/C)	370	452	484	0	8.18	0.00	8.18
400 kv B'Sharif - Varanasi (D/C)	-1	-79	42	113	0.00	1.37	-1.37
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1824	2748			57.27	3.42	53.85
+/- 800 KV HVDC BiswanathCharialli-Agra	500	700	1000	0.00	17.60	0.00	17.60
Sub Total NER	500	700			17.60	0.00	17.60
Total IR Exch	7311	10887			210.16	22.20	187.97

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
31.03	2.90	33.93	13.47	12.80	3.56	-1.16	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
50.96	151.15	202.12	71.45	116.51	187.97	20.49	-34.64	-14.15

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	-11	-10	0	-29	0	-1	0.58

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	0.44	36.17	73.15	21.45	4.94	0.08	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	8.03	49.88	9.00	50.02	0.029	0.051	0.00	0.00	26.85

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviate
		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 Deviate
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
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
Meerut	765	794	6:01	758	23:17	0.0	0.0	0.0	0.0
Jhatikara	765	794	6:01	756	23:06	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
Anta	765	780	3:57	756	23:04	0.0	0.0	0.0	0.0
Phagi	765	785	4:02	756	23:03	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	477.01	394.40	479.79	454.47	1008.79	829.54
Pong	426.72	384.05	394.03	111.75	391.57	76.21	765.74	115.05
Tehri	829.79	740.04	746.55	31.55	752.60	67.00	382.08	183.00
Koteshwar	612.50	598.50	611.05	5.00	609.92	4.50	183.00	180.30
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	508.19	355.42
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	513.37	9.61	503.45	6.53	376.62	425.51

* 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	1	0	1334	0	0	41.18	0.35	41.53
Delhi	993	-169	0	1029	-251	0	23.85	-3.38	20.47
Haryana	737	241	0	737	144	0	17.69	5.24	22.93
HP	-1313	-141	0	-1191	-270	0	-29.67	-3.74	-33.41
J&K	-823	-493	0	-823	-70	0	-19.76	-5.31	-25.07
CHD	0	0	0	0	-15	0	0.00	0.07	0.07
Rajasthan	-187	448	0	-187	374	0	-4.48	9.91	5.43
UP	390	973	0	558	1225	0	6.61	14.30	20.90
Uttarakhand	19	-212	0	-257	56	0	-0.93	-3.80	-4.72
Total	1619	649	0	1200	1192	0	34.49	13.65	48.13

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1845	1334	47	0	0	0
Delhi	1312	783	89	-366	0	0
Haryana	737	737	268	17	0	0
HP	-1155	-1356	-78	-331	0	0
J&K	-823	-823	0	-493	0	0
CHD	0	0	20	-20	0	0
Rajasthan	-187	-187	448	-66	0	0
UP	751	21	1607	-47	0	0
Uttarakhand	22	-257	127	-313	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	3.47%

(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	17
Haryana	5	42
Rajasthan	3	26
Delhi	2	28
UP	0	8
Uttarakhand	4	25
HP	3	27
J & K	3	44
Chandigarh	2	22

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 28.06.2017 :

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 : 28.06.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER