

पॉवर सिस्टम ऑपरेशन कापोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO188682

Power Supply Position in Northern Region for 30.06.2017
Date of Reporting - 01.07.2017



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
42273	554	42827	49.96	40342	162	40504	50.01	966.94	0.86

* 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:

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	27.41	13.52	0.32	41.25	109.49	110.44	0.95	151.68	0.00
Haryana	20.35	0.51	0.00	20.85	106.63	104.50	-2.13	125.35	0.00
Rajasthan	71.43	0.00	6.50	77.93	77.62	79.66	2.04	157.59	0.00
Delhi	15.85		0.00	15.85	81.22	82.32	1.10	98.16	0.02
UP	157.98	23.78	0.00	181.76	153.57	154.71	1.14	336.47	0.00
Uttarakhand		18.29	2.76	21.05	12.53	12.78	0.26	33.83	0.00
HP		18.26	5.78	24.04	-2.71	-0.09	2.63	23.96	0.01
J & K		25.98	0.00	25.98	11.50	8.80	-2.70	34.78	0.83
Chandigarh				0.00	5.71	5.12	-0.59	5.12	0.00
Total	293.02	100.33	15.36	408.72	555.54	558.23	2.69	966.94	0.86

* Shortage furnished by the respective constituent States 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	6556	0	-50	1101	5449	0	-57	1861	6849	21	0
Haryana	5458	0	138	874	5683	0	-33	945	6088	22	0
Rajasthan	6328	0	244	213	6691	0	79	264	7241	23	0
Delhi	4107	0	5	437	4186	0	170	381	4638	1	0
UP	15249	100	-250	2271	15128	0	-492	992	16743	21	250
Uttarakhand	1622	0	112	-18	1275	0	-39	-83	1622	20	0
HP	906	0	65	-1640	836	0	141	-1631	1197	10	5
J&K	1816	454	-58	-1029	919	162	-257	-1316	1929	21	482
Chandigarh	231	0	-16	-55	175	0	-38	0	252	14	0
Total	42273	554	190	2153	40342	162	-527	1414	45575	21	732

* STOA figures are at seller's boundary & PX figures are at regional boundary. § figures may not be at simultaneous hour.

III. Regional Entities :

Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentoout(MW)	Schedule Net MU	UI [OG(+ve), UG: (-ve)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1780	1936	1631	38.64	1610	37.79		0.85
Rihand I STPS (2*500)	1000	923	1004	716	18.84	785	18.48		0.37
Rihand II STPS (2*500)	1000	943	1003	704	19.50	812	19.19		0.31
Rihand III STPS (2*500)	1000	924	1026	710	18.32	763	18.21		0.11
Dadri I STPS (4*210)	840	769	180	179	3.41	142	3.48		-0.07
Dadri II STPS (2*490)	980	929	409	466	8.40	350	8.69		-0.30
Uncharhar I TPS (2*210)	420	350	247	239	5.29	221	5.42		-0.13
Uncharhar II TPS (2*210)	420	383	225	230	5.10	213	5.52		-0.42
Uncharhar III TPS (1*210)	210	192	117	116	2.58	107	2.74		-0.16
Uncharhar IV TPS(1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajjar) (3*500)	1500	1200	875	903	19.44	810	19.52		-0.08
Dadri GPS (4*130, 19+2*154.51)	830	770	227	229	5.43	226	5.49		-0.06
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	0.01	0	0.01		-0.01
Uncharhar Solar(10)	10	2	0	0	0.02	1	0.05		-0.02
Singrauli Solar(15)	15	1	0	0	0.02	1	0.04		-0.01
KHEP(4*200)	800	822	869	868	20.88	870	19.73		1.15
Sub Total (A)	12612	10981	8118	6991	166	6911	164		1.53
B. NPC									
NAPS (2*220)	440	372	417	427	9.11	380	8.93		0.18
RAPS- B (2*220)	440	369	404	401	8.60	358	8.80		-0.20
RAPS- C (2*220)	440	430	446	449	9.67	403	10.32		-0.65
Sub Total (B)	1320	1171	1267	1277	27.38	1141	28.04		-0.67
C. NHPC									
Chamera I HPS (3*180)	540	540	547	545	13.14	548	12.91		0.24
Chamera II HPS (3*100)	300	301	309	306	7.28	303	7.22		0.06
Chamera III HPS (3*77)	231	232	231	229	5.49	229	5.47		0.02
Bairasuil HPS(3*60)	180	91	0	186	2.27	95	2.19		0.09
Salal-HPS (6*115)	690	411	684	666	10.03	418	9.85		0.18
Tanakpur-HPS (3*31.4)	94	81	63	90	2.03	85	1.95		0.08
Uri-I HPS (4*120)	480	474	482	480	11.61	484	11.37		0.24
Uri-II HPS (4*60)	240	79	0	244	1.95	81	1.88		0.06
Dhauliganga-HPS (4*70)	280	281	285	286	6.81	284	6.65		0.16
Dulhasti-HPS (3*130)	390	386	397	392	7.28	303	9.26		-1.98
Sewa-II HPS (3*40)	120	126	132	132	3.13	130	3.02		0.11
Parbati 3 (4*130)	520	514	524	0	5.65	235	5.55		0.09
Sub Total (C)	4065	3514	3654	3556	77	3194	77		-0.66
D. SJVNL									
NJPC (6*250)	1500	1482	1605	1621	37.37	1557	35.50		1.87
Rampur HEP (6*68.67)	412	408	445	443	10.35	431	9.79		0.56
Sub Total (D)	1912	1890	2050	2064	47.72	1988	45.29		2.43
E. THDC									
Tehri HPS (4*250)	1000	548	549	0	5.12	213	5.00		0.12
Koteswar HPS (4*100)	400	118	302	91	2.89	120	2.84		0.05
Sub Total (E)	1400	666	851	91	8.01	334	7.84		0.18
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	670	1297	528	16.50	688	16.09		0.42
Dehar HPS (6*165)	990	606	655	605	14.68	612	14.56		0.13
Pong HPS (6*66)	396	41	159	0	0.99	41	0.98		0.02
Sub Total (F)	2765	1317	2111	1133	32.18	1341	31.62		0.56
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	231	5.51	230	5.31		0.20
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.35	1098	26.08		0.27
Malana Stg-II HPS (2*50)	100	0	113	113	2.66	111	2.50		0.16
Shree Cement TPS (2*150)	300	0	87	71	1.72	72	2.18		-0.47
Budhli HPS(IPP) (2*35)	70	0	74	74	1.76	73	1.67		0.09
Sub Total (G)	1662	0	1605	1588	38.00	1583	37.75		0.25
H. Total Regional Entities (A-G)	25737	19540	19655	16701	395.83	16493	392.21		3.62

I. State Entities

Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sento ut MW)
Punjab					
Guru Gobind Singh TPS (Ropar) (6*210)	1260	0	0	0.00	0
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0
Goindwal(GVK) (2*270)	540	0	0	0.00	0
Rajpura (2*700)	1400	1110	660	19.66	819
Tahwandi Saboo (3*660)	1980	308	308	7.75	323

	Thermal (Total)	6560	1418	968	27.41	1142
	Total Hydro	1000	467	482	13.52	563
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.29	12
	Solar	560	0	0	0.03	1
	Renewable(Total)	848	0	0	0.32	13
	Total Punjab	8408	1885	1450	41.25	1719
Haryana	Panipat TPS (2*210+2*250)	920	197	198	4.84	202
	DCRTPP (Yamuna nagar) (2*300)	600	232	230	5.47	228
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	183	160	4.01	167
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	372	6.02	251
	Thermal (Total)	4497	612	960	20.35	848
	Total Hydro	62	21	30	0.51	21
	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	633	990	20.85	869
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	157	153	3.86	161
	suratgarh TPS (6*250)	1500	185	162	4.36	182
	Chabra TPS (4*250)	1000	527	599	14.55	606
	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	197	128	4.80	200
	RAPS A (NPC) (1*100+1*200)	300	158	165	3.86	161
	Barsingar (NLC) (2*125)	250	98	112	2.46	102
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	374	721	12.05	502
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	0	0	0.00	0
	Kawai(Adani) (2*660)	1320	853	1198	25.50	1062
	Thermal (Total)	9536	2549	3238	71.43	2976
	Total Hydro	550	0	0	0.00	0
	Wind power	4017	216	41	3.98	166
	Biomass	99	23	23	0.55	23
	Solar	1295	0	0	1.97	82
	Renewable/Others (Total)	5411	239	64	6.50	271
	Total Rajasthan	15497	2788	3302	77.93	3247
UP	Anpara TPS (3*210+2*500)	1630	455	297	9.85	410
	Obra TPS (2*50+2*94+5*200)	1194	297	285	7.95	331
	Paricha TPS (2*110+2*220+2*250)	1160	855	889	17.87	745
	Panki TPS (2*105)	210	144	144	3.25	135
	Harduaganj TPS (1*60+1*105+2*250)	665	507	505	10.48	437
	Tanda TPS (NTPC) (4*110)	440	382	368	8.19	341
	Roza TPS (IPP) (4*300)	1200	1071	1056	22.82	951
	Anpara-C (IPP) (2*600)	1200	1126	1008	24.51	1021
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	202	203	4.26	178
	Anpara-D(2*500)	1000	909	898	21.45	894
	Lalitpur TPS(3*660)	1980	1123	1140	24.96	1040
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	12449	7071	6793	155.58	6483
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436
	Alaknanda(4*82.5)	330	340	336	8.09	337
	Other Hydro	527	207	226	5.22	217
	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	8153	7890	181.76	7573
	Uttarakhand	Other Hydro	1250	678	811	18.29
Total Gas		225	102	90	2.59	108
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		20	0	0	0.17	7
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		327	0	0	0.17	7
Total Uttarakhand		1802	780	901	21.05	877
Delhi	Raighat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	69	69	1.77	74
	Pragati Gas Turbine (2x104+ 1x122)	330	154	153	3.76	157
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	301	250	6.59	275
	Badarpur TPS (NTPC) (3*95+2*210)	705	168	169	3.72	155
	Thermal (Total)	2917	692	641	15.85	660
	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	692	641	15.85	660	
HP	Baspa HPS (IPP) (3*100)	300	303	303	7.61	317
	Malana HPS (IPP) (2*43)	86	104	105	2.51	104
	Other Hydro (>25MW)	372	388	292	8.14	339
	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	239	253	5.78	241
	Renewable(Total)	486	239	253	5.78	241
Total HP	1244	1034	953	24.04	1002	
J & K	Baqlihar HPS (IPP) (3*150+3*150)	900	884	879	21.17	882
	Other Hydro/IPP(including 98 MW Small Hydro)	308	202	20	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	899	26	1083	
Total State Control Area Generation		50738	17051	17026	408.72	17030
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			8704	7283	182.53	7605
Total Regional Availability(Gross)		76475	45410	41010	987.08	41128

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10978	9156	219.98	9166
State Control Area Hydro	7163	4370	4262	106.12	4537
Total Regional Hydro	19397	15348	13418	326.10	13702

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.05	2
State Control Area Renewable	7356	478	317	12.77	532
Total Regional Renewable	7386	478	317	12.82	534

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	12.15	-12.15
765 KV Gwalior-Agra (D/C)	2227	1776	2326	0	38.15	0.00	38.15
400 KV Zerda-Kankroli	33	-233	33	275	0.00	3.43	-3.43
400 KV Zerda-Bhinmal	82	-168	96	253	0.00	2.54	-2.54
220 KV Auraiya-Malanpur	24	12	0	55	0.11	0.00	0.11
220 KV Badod-Kota/Morak	135	57	183	0	2.22	0.00	2.22
Mundra-Mohindergarh(HVDC Bipole)	1499	1998	2006	0	42.33	0.00	42.33
400 KV RAPPCC-Sujalpur	319	244	319	0	5.24	0.00	5.24
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	945	789	1180	0	21.66	0.00	21.66
+/- 800 kV HVDC Champa-Kurushetra	1500	1000	1500	0	33.61	0	33.61
Sub Total WR	6264	4975			143.32	18.12	125.20
400 kV Sasaram - Varanasi	156	156	179	0	3.98	0.00	3.98
400 kV Sasaram - Allahabad	37	36	44	0	0.65	0.00	0.65
400 KV MZP- GKP (D/C)	154	217	363	0	6.66	0.00	6.66
400 KV Patna-Balia(D/C) X 2	598	518	628	0	12.11	0.00	12.11
400 KV B'Sharif-Balia (D/C)	123	94	146	0	2.61	0.00	2.61
765 KV Gaya-Balia	283	218	320	0	4.59	0.00	4.59
765 KV Gaya-Varanasi (D/C)	304	164	373	46	4.18	0.00	4.18
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-26	-34	0	34	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-189	-198	0	237	0.00	3.78	-3.78
400 KV Barh -GKP (D/C)	470	396	476	0	9.05	0.00	9.05
400 kV B'Sharif - Varanasi (D/C)	30	41	165	11	0.86	0.00	0.86
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1940	1608			45.64	4.34	41.29
+/- 800 KV HVDC BiswanathCharialli-Agra	500	700	1000	0.00	16.04	0.00	16.04
Sub Total NER	500	700			16.04	0.00	16.04
Total IR Exch	8704	7283			205.00	22.47	182.53

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
31.64	3.65	35.29	13.95	13.19	-4.91	-2.38	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
44.32	143.71	188.03	57.33	125.20	182.53	13.01	-18.51	-5.50

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	-10	-10	0	29	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	0.03	5.52	51.97	81.09	12.03	1.48	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)		
50.17	16.15	49.79	19.22	49.99	0.030	50.09	49.86	18.91	

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	0:00	401	15:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	17:03	390	19:51	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	17:02	394	19:41	0.0	0.0	0.0	0.0	0.0
Kanpur	400	422	8:01	400	19:46	0.0	0.0	1.8	0.0	1.8
Dadri	400	418	8:03	398	19:39	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	420	7:03	399	0:04	0.0	0.0	0.0	0.0	0.0
Bawana	400	414	8:02	397	19:39	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	8:04	400	21:06	0.0	0.0	0.6	0.0	0.6
Hissar	400	414	18:02	397	19:46	0.0	0.0	0.0	0.0	0.0
Moga	400	414	4:01	401	19:39	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	412	6:49	398	19:41	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	413	3:47	403	19:42	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	417	4:01	404	20:06	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	3:55	384	20:26	0.0	9.1	0.0	0.0	0.0
Amritsar	400	417	3:33	404	19:40	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	412	4:00	403	11:10	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	415	6:33	394	19:48	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	777	8:04	738	21:07	0.0	5.1	0.0	0.0	0.0
Balia	765	796	8:05	747	21:07	0.0	0.0	0.0	0.0	0.0
Moga	765	792	4:01	765	21:14	0.0	0.0	0.0	0.0	0.0
Agra	765	790	8:04	752	21:07	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	806	6:49	770	21:35	0.0	0.0	15.7	0.0	15.7
Unnao	765	783	8:04	743	21:07	0.0	0.0	0.0	0.0	0.0

Lucknow	765	795	17:02	750	21:10	0.0	0.0	0.0	0.0
Meerut	765	794	6:48	759	19:41	0.0	0.0	0.0	0.0
Jhatikara	765	790	8:04	756	19:44	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	795	17:02	753	21:10	0.0	0.0	0.0	0.0
Anta	765	794	7:52	766	21:40	0.0	0.0	0.0	0.0
Phagi	765	801	8:06	765	21:38	0.0	0.0	1.3	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	477.81	414.26	479.95	461.24	1047.07	591.65
Pong	426.72	384.05	395.22	131.24	391.83	80.40	729.47	78.78
Tehri	829.79	740.04	748.45	41.63	754.55	80.84	309.32	177.00
Koteshwar	612.50	598.50	610.74	4.95	609.65	4.44	177.00	189.67
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	704.10	356.41
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	514.71	6.92	502.91	7.36	430.52	291.29

* 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	58	0	1062	39	0	39.82	1.02	40.83
Delhi	798	-417	0	1013	-577	0	22.66	-5.46	17.20
Haryana	737	208	0	737	137	0	17.69	4.35	22.03
HP	-1421	-210	0	-1269	-371	0	-30.40	-5.27	-35.66
J&K	-823	-493	0	-823	-207	0	-19.75	-5.97	-25.72
CHD	0	0	0	0	-55	0	0.00	-0.36	-0.36
Rajasthan	-187	451	0	-187	400	0	-4.48	10.50	6.02
UP	895	97	0	911	1360	0	8.92	6.83	15.75
Uttarakhand	24	-107	0	24	-43	0	0.58	-1.46	-0.88
Total	1826	-413	0	1469	684	0	35.04	4.18	39.22

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1845	1062	68	13	0	0
Delhi	1312	759	91	-577	0	0
Haryana	737	737	224	-304	0	0
HP	-1165	-1434	-120	-447	0	0
J&K	-823	-823	0	-493	0	0
CHD	0	0	0	-55	0	0
Rajasthan	-187	-187	452	397	0	0
UP	1217	-173	1457	-100	0	0
Uttarakhand	24	24	3	-215	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	0.00%

(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	2	17
Haryana	1	24
Rajasthan	3	28
Delhi	2	24
UP	0	11
Uttarakhand	5	38
HP	4	29
J & K	5	37
Chandigarh	4	35

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 30.06.2017 :

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 : 30.06.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER