

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.06.2017

Date of Reporting : 30.06.2017



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
41840	466	42307	49.95	37912	219	38130	50.01	933.16	7.26

* 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	Renewable/others \$	Total					
Punjab	34.04	13.79	0.21	48.04	99.54	92.93	-6.62	140.97	0.00
Haryana	23.64	0.61	0.00	24.25	98.98	95.10	-3.88	119.35	0.00
Rajasthan	70.53	0.00	8.60	79.13	70.23	72.72	2.48	151.85	0.00
Delhi	18.14		0.00	18.14	82.75	81.02	-1.73	99.16	0.02
UP	144.59	23.18	0.00	167.77	158.13	157.56	-0.57	325.33	0.00
Uttarakhand		20.62	4.23	24.85	10.04	9.16	-0.87	34.02	0.00
HP		17.40	6.16	23.56	0.39	3.37	2.98	26.92	0.00
J & K		25.96	0.00	25.96	11.97	4.65	-7.31	30.61	7.24
Chandigarh			0.00	0.00	5.86	4.96	-0.90	4.96	0.00
Total	290.94	101.56	19.20	411.69	537.89	521.47	-16.42	933.16	7.26

* 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	STO/APX transaction	Demand Met	Shortage	UI	STO/APX transaction			
Punjab	5961	0	-189	1117	6085	0	-696	1810	7005	1	0
Haryana	5617	0	170	866	4198	0	-405	951	6586	22	0
Rajasthan	6486	0	182	218	6304	0	305	266	7302	24	0
Delhi	4302	0	100	778	3972	24	-151	834	4724	24	28
UP	15423	100	74	2009	13814	0	-215	1655	16569	21	250
Uttarakhand	1552	0	19	75	1464	0	22	-170	1552	20	0
HP	841	7	-99	-1353	792	0	-179	-1396	7080	16	3
J&K	1439	360	-192	-1030	1103	195	-282	-1317	1483	21	371
Chandigarh	220	0	-36	-20	180	0	-33	-10	241	11	0
Total	41840	466	27	2661	37912	219	-1634	2623	45146	16	332

* 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 Sento(MW)	Schedule Net MU	UI	
								Net MU	UI
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1792	1676	1194	31.00	1292	29.80		1.20
Rihand I STPS (2*500)	1000	923	742	627	16.42	684	15.46		0.96
Rihand II STPS (2*500)	1000	943	974	653	17.48	728	16.85		0.63
Rihand III STPS (2*500)	1000	896	786	638	14.76	615	14.53		0.23
Dadri I STPS (4*210)	840	769	173	127	3.04	127	2.87		0.18
Dadri II STPS (2*490)	980	929	748	524	12.89	537	12.92		-0.03
Unchahar I TPS (2*210)	420	350	238	246	5.29	220	5.12		0.17
Unchahar II TPS (2*210)	420	383	230	232	5.06	211	5.09		-0.03
Unchahar III TPS (1*210)	210	192	119	123	2.58	107	2.56		0.02
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajhar) (3*500)	1500	1200	946	836	18.92	788	18.98		-0.07
Dadri GPS (4*130,19+2*154.51)	830	770	248	227	5.41	226	5.43		-0.01
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		0.00
Unchahar Solar(10)	10	2	0	0	0.04	2	0.05		-0.01
Singrauli Solar(15)	15	2	0	0	0.03	1	0.05		-0.01
KHEP(4*200)	800	820	868	866	20.82	868	19.69		1.13
Sub Total (A)	12612	10964	7748	6293	154	6406	149		4.35
B. NPC									
NAPS (2*220)	440	372	426	425	9.19	383	8.93		0.27
RAPS- B (2*220)	440	369	399	400	8.52	355	8.80		-0.28
RAPS- C (2*220)	440	430	447	445	9.51	396	10.32		-0.81
Sub Total (B)	1320	1171	1272	1270	27.23	1135	28.04		-0.82
C. NHPC									
Chamera I HPS (3*180)	540	537	550	538	13.08	545	12.88		0.20
Chamera II HPS (3*100)	300	301	308	303	7.23	301	7.22		0.02
Chamera III HPS (3*77)	231	231	230	231	5.50	229	5.52		-0.02
Bairasuli HPS(3*60)	180	179	185	123	3.94	164	3.85		0.09
Salat-HPS (6*115)	690	673	675	674	16.22	676	16.16		0.06
Tanakpur-HPS (3*31.4)	94	35	44	69	0.90	37	0.84		0.06
Uri-I HPS (4*120)	480	474	482	479	11.66	486	11.38		0.28
Uri-II HPS (4*60)	240	239	245	244	5.83	243	5.72		0.11
Dhauliganga-HPS (4*70)	280	281	289	286	6.76	281	6.74		0.02
Dulhasi-HPS (3*130)	390	386	394	394	9.29	387	9.24		0.05
Sewa-II HPS (3*40)	120	126	131	128	3.06	128	3.02		0.04
Parbati 3 (4*130)	520	511	454	0	5.58	232	5.64		-0.06
Sub Total (C)	4065	3972	3984	3468	89	3710	88		0.84
D.SJVNL									
NJCP (6*250)	1500	1482	1628	1547	37.21	1551	35.51		1.70
Rampur HEP (6*68.67)	412	408	445	440	10.27	428	9.79		0.48
Sub Total (D)	1912	1890	2073	1987	47.49	1979	45.31		2.18
E. THDC									
Tehri HPS (4*250)	1000	535	524	0	5.10	212	5.00		0.10
Koteshwar HPS (4*100)	400	118	295	97	2.80	117	2.76		0.04
Sub Total (E)	1400	653	819	97	7.90	329	7.76		0.14
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	798	1264	676	19.35	806	19.16		0.19
Dehar HPS (6*165)	990	595	650	580	14.53	606	14.29		0.25
Pong HPS (6*66)	396	21	153	0	0.53	22	0.51		0.02
Sub Total (F)	2765	1415	2067	1256	34.41	1434	33.96		0.46
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	229	232	5.51	230	5.31		0.20
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.27	1095	26.08		0.19
Malana Stg-II HPS (2*50)	100	0	113	112	2.65	111	2.50		0.15
Shree Cement TPS (2*150)	300	0	91	78	2.06	86	2.38		-0.32
Budhli HPS(IPP) (2*35)	70	0	74	74	1.76	73	1.67		0.09
Sub Total (G)	1662	0	1608	1596	38.25	1594	37.95		0.30
H. Total Regional Entities (A-G)	25737	20065	19571	15967	398.08	16587	390.63		7.44
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	160	0.73	31				
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.04	-2				
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.19	-8				
Goindwal(GVK) (2*270)	540	0	180	1.08	45				
Rajpura (2*700)	1400	660	660	15.75	656				
Talwandi Saboo (3*660)	1980	616	924	16.71	696				

	Thermal (Total)	6560	1276	1924	34.04	1418
	Total Hydro	1000	482	602	13.79	575
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.14	6
	Solar	560	0	0	0.07	3
	Renewable(Total)	848	0	0	0.21	9
	Total Punjab	8408	1758	2526	48.04	2002
Haryana	Panipat TPS (2*210+2*250)	920	198	199	4.79	200
	DCRTPP (Yamuna nagar) (2*300)	600	233	230	5.51	230
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	175	160	3.97	165
	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	379	373	9.37	390
	Thermal (Total)	4497	985	962	23.64	985
	Total Hydro	62	28	23	0.61	25
	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	1013	985	24.25	1011
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	153	153	3.80	158
	suratgarh TPS (6*250)	1500	181	178	4.40	183
	Chabra TPS (4*250)	1000	516	539	12.28	512
	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	106	155	3.24	135
	RAPS A (NPC) (1*100+1*200)	300	161	160	3.91	163
	Barsingar (NLC) (2*125)	250	212	220	4.75	198
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	402	374	10.54	439
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	12	404	5.12	213
	Kawai(Adani) (2*660)	1320	889	859	22.50	938
	Thermal (Total)	9536	2632	3042	70.53	2939
	Total Hydro	550	0	0	0.00	0
	Wind power	4017	274	228	6.22	259
	Biomass	99	21	21	0.51	21
	Solar	1295	0	0	1.87	78
	Renewable/Others (Total)	5411	295	249	8.60	358
	Total Rajasthan	15497	2927	3291	79.13	3297
UP	Anpara TPS (3*210+2*500)	1630	292	288	7.06	294
	Obra TPS (2*50+2*94+5*200)	1194	311	290	7.21	300
	Paricha TPS (2*110+2*220+2*250)	1160	653	660	16.51	688
	Panki TPS (2*105)	210	135	72	2.77	115
	Harduaganj TPS (1*60+1*105+2*250)	665	382	319	9.40	392
	Tanda TPS (NTPC) (4*110)	440	385	265	8.90	371
	Roza TPS (IPP) (4*300)	1200	992	760	19.54	814
	Anpara-C (IPP) (2*600)	1200	1121	664	21.00	875
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	166	192	4.07	170
	Anpara-D(2*500)	1000	898	832	18.85	785
	Lalitpur TPS(3*660)	1980	1125	1129	26.88	1120
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	12449	6460	5471	142.19	5925
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436
	Alaknanda(4*82.5)	330	338	343	8.11	338
	Other Hydro	527	300	174	4.60	192
	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	7633	6523	167.77	6990	
Uttarakhand	Other Hydro	1250	841	907	20.62	859
	Total Gas	225	162	160	4.10	171
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.14	6
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.14	6
	Total Uttarakhand	1802	1003	1067	24.85	1036
Delhi	Raighat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	68	69	1.77	74
	Pragati Gas Turbine (2x104+ 1x122)	330	153	155	3.77	157
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	249	6.12	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	318	6.49	270
	Thermal (Total)	2917	634	791	18.14	756
	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	634	791	18.14	756	
HP	Baspa HPS (IPP) (3*100)	300	303	303	7.42	309
	Malana HPS (IPP) (2*43)	86	105	101	2.46	102
	Other Hydro (>25MW)	372	308	373	7.53	314
	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	269	264	6.16	256
	Renewable(Total)	486	269	264	6.16	256
Total HP	1244	985	1041	23.56	982	
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	879	883	21.14	881
	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	1079	1083	26	1082	
Total State Control Area Generation		50738	17032	17307	411.69	17154
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			8722	5117	144.60	6025
Total Regional Availability(Gross)		76475	45325	38391	954.36	39765

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11253	9118	234.10	9754
State Control Area Hydro	7163	4650	4768	107.71	4664
Total Regional Hydro	19397	15903	13886	341.81	14418

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.09	4
State Control Area Renewable	7356	564	513	15.10	629
Total Regional Renewable	7386	564	513	15.19	633

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	12.17	-12.17
765 KV Gwalior-Agra (D/C)	2604	1132	2604	0	36.05	0.00	36.05
400 KV Zerda-Kankroli	24	-234	24	-234	0.00	3.27	-3.27
400 KV Zerda-Bhinmal	101	-167	120	235	0.00	2.33	-2.33
220 KV Auraiya-Malanpur	56	32	0	19	0.63	0.00	0.63
220 KV Badod-Kota/Morak	105	-31	126	50	0.96	0.00	0.96
Mundra-Mohindergarh(HVDC Bipole)	1286	1139	2005	0	23.29	0.00	23.29
400 KV RAPPCC-Sujalpur	211	159	198	0	5.00	0.00	5.00
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kv Phagi-Gwalior (D/C)	1095	458	1334	0	19.44	0.00	19.44
+/- 800 kV HVDC Champa-Kurushetra	1000	500	1500	0	13.91	0	13.91
Sub Total WR	5982	2488			99.29	17.77	81.53
400 kV Sasaram - Varanasi	165	131	169	0	3.68	0.00	3.68
400 kV Sasaram - Allahabad	28	62	73	0	1.12	0.00	1.12
400 KV MZP- GKP (D/C)	258	479	517	0	9.36	0.00	9.36
400 KV Patna-Balia(D/C) X 2	637	544	653	0	12.41	0.00	12.41
400 KV B'Sharif-Balia (D/C)	161	206	224	0	4.13	0.00	4.13
765 KV Gaya-Balia	331	246	336	0	5.56	0.00	5.56
765 KV Gaya-Varanasi (D/C)	379	248	354	0	6.11	0.00	6.11
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	-20	-33	0	-34	0.00	-0.52	0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-182	-180	0	191	0.00	3.93	-3.93
400 KV Barh -GKP (D/C)	480	352	480	0	8.39	0.00	8.39
400 kV B'Sharif - Varanasi (D/C)	3	74	83	76	0.00	0.75	-0.75
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2240	2129			51.72	4.16	47.56
+/- 800 KV HVDC BiswanathCharialli-Agra	500	500	1000	0.00	15.51	0.00	15.51
Sub Total NER	500	500			15.51	0.00	15.51
Total IR Exch	8722	5117			166.52	21.92	144.60

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
23.23	3.20	26.43	14.85	12.33	0.92	4.25	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
42.20	130.04	172.24	63.07	81.53	144.60	20.87	-48.52	-27.65

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	-8	-10	0	-25	0	-1	0.54

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	8.22	50.30	73.14	13.94	5.02	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)		
50.18	6.01	49.73	19.11	50.00	0.041	0.064	50.11	49.85	26.86

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	0:00	403	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	7:39	389	20:14	0.0	1.1	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	6:01	394	20:19	0.0	0.0	0.0	0.0	0.0
Kanpur	400	423	7:36	400	20:16	0.0	0.0	6.6	0.0	6.6
Dadri	400	423	3:27	400	22:35	0.0	0.0	21.0	0.0	21.0
Ballabgarh	400	423	3:16	396	22:16	0.0	0.0	22.4	0.0	22.4
Bawana	400	421	3:14	398	20:16	0.0	0.0	1.4	0.0	1.4
Bassi	400	423	3:15	398	20:17	0.0	0.0	16.0	0.0	16.0
Hissar	400	419	3:04	397	20:17	0.0	0.0	0.0	0.0	0.0
Moga	400	418	7:39	402	20:18	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	422	3:26	399	20:36	0.0	0.0	3.5	0.0	3.5
Nalagarh	400	419	3:18	406	22:38	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	417	7:56	406	20:13	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	7:56	383	20:32	0.0	11.0	0.0	0.0	0.0
Amritsar	400	422	7:37	408	20:16	0.0	0.0	8.5	0.0	8.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	417	3:04	404	20:10	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	422	6:00	396	21:52	0.0	0.0	6.0	0.0	6.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	782	17:02	740	20:16	0.0	2.4	0.0	0.0	0.0
Balia	765	796	7:37	752	20:13	0.0	0.0	0.0	0.0	0.0
Moga	765	801	3:31	764	20:22	0.0	0.0	0.3	0.0	0.3
Agra	765	790	8:01	750	20:17	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	813	6:02	772	20:09	0.0	0.0	31.6	0.0	31.6
Unnao	765	780	7:55	736	20:22	0.0	7.9	0.0	0.0	0.0

Lucknow	765	802	6:02	751	20:16	0.0	0.0	0.3	0.0	0.3
Meerut	765	812	3:31	759	20:17	0.0	0.0	19.8	0.0	19.8
Jhatikara	765	782	6:01	751	20:22	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	803	6:01	754	20:22	0.0	0.0	2.0	0.0	2.0
Anta	765	795	3:19	768	20:09	0.0	0.0	0.0	0.0	0.0
Phagi	765	802	3:03	764	20:11	0.0	0.0	17.6	0.0	17.6

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	477.34	401.01	479.88	454.47	1043.16	722.93
Pong	426.72	384.05	394.68	121.45	391.70	76.21	809.04	42.67
Tehri	829.79	740.04	747.60	37.20	753.70	74.90	358.57	178.00
Koteshwar	612.50	598.50	611.03	5.20	609.80	4.50	178.00	185.20
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	602.59	354.81
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	513.78	6.97	503.18	6.95	328.20	409.38

* 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	1803	7	0	1062	55	0	39.82	0.61	40.43
Delhi	874	-39	0	1043	-264	0	23.30	-1.45	21.85
Haryana	737	214	0	737	129	0	17.69	4.76	22.45
HP	-1319	-77	0	-1193	-160	0	-29.80	-3.17	-32.97
J&K	-823	-493	0	-823	-207	0	-19.76	-5.84	-25.60
CHD	0	-10	0	0	-20	0	0.00	-0.11	-0.11
Rajasthan	-187	453	0	-187	405	0	-4.48	10.54	6.06
UP	682	973	0	358	1651	0	8.07	13.65	21.72
Uttarakhand	24	-194	0	24	51	0	0.58	-2.56	-1.98
Total	1790	833	0	1021	1641	0	35.42	16.44	51.86

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1845	1062	55	4	0	0
Delhi	1310	784	171	-296	0	0
Haryana	737	737	230	62	0	0
HP	-1164	-1358	-58	-332	0	0
J&K	-823	-823	0	-493	0	0
CHD	0	0	0	-30	0	0
Rajasthan	-187	-187	453	394	0	0
UP	1018	1	1651	0	0	0
Uttarakhand	24	24	94	-205	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	3	48
Haryana	3	38
Rajasthan	3	28
Delhi	3	34
UP	0	12
Uttarakhand	4	29
HP	4	46
J & K	2	15
Chandigarh	4	29

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.06.2017 :

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 : 29.06.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER