

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 30.08.2017

Date of Reporting : 31.08.2017



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
50116	1776	51892	50.06	46514	224	46738	50.02	1118.14	9.98

* 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	48.24	19.77	0.21	68.21	113.76	113.27	-0.49	181.49	0.00
Haryana	46.38	0.76	0.00	47.14	122.00	124.22	2.21	171.35	0.35
Rajasthan	97.17	2.84	30.32	130.32	53.54	54.82	1.28	185.14	0.00
Delhi	25.47		0.00	25.47	86.39	85.03	-1.36	110.50	0.00
UP	151.21	25.30	0.00	176.51	178.50	181.31	2.81	357.82	0.00
Uttarakhand		20.83	7.42	28.26	11.55	12.30	0.75	40.56	0.00
HP		17.91	6.73	24.64	0.63	0.87	0.24	25.50	0.08
J & K		26.03	0.00	26.03	14.27	14.10	-0.17	40.13	9.54
Chandigarh				0.00	6.19	5.64	-0.54	5.64	0.00
Total	368.46	113.43	44.68	526.57	586.85	591.57	4.72	1118.14	9.98

* 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	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction			
Punjab	8210	0	-26	1323	6908	0	0	1773	8210	21	0
Haryana	7621	327	149	1468	7319	0	208	1636	8112	22	0
Rajasthan	8103	0	-14	-713	7917	0	22	278	8478	24	0
Delhi	4941	0	-12	311	4485	0	89	629	5217	16	0
UP	15861	950	180	1823	15919	0	250	1582	16494	1	150
Uttarakhand	1903	0	89	-258	1578	0	89	-187	1903	20	0
HP	1216	0	23	-1715	926	0	2	-1517	1296	8	0
J&K	1997	499	106	-809	1269	224	-136	-1117	2001	21	500
Chandigarh	264	0	-19	-65	194	0	-15	0	278	15	0
Total	50116	1776	476	1364	46514	224	510	3076	50594	21	1500

\$ STOAX 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 Sentoout(MW)	Schedule Net MU	UI	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1740	1903	1669	39.97	1666	39.37		0.60
Rihand I STPS (2*500)	1000	923	990	971	20.32	847	20.34		-0.02
Rihand II STPS (2*500)	1000	914	954	985	20.37	849	20.56		-0.19
Rihand III STPS (2*500)	1000	943	994	757	20.08	836	20.06		0.01
Dadri I STPS (4*210)	840	576	584	353	8.67	361	8.84		-0.17
Dadri II STPS (2*490)	980	929	929	530	14.13	589	14.76		-0.63
Unchahar I TPS (2*210)	420	383	387	288	6.92	288	7.07		-0.15
Unchahar II TPS (2*210)	420	383	378	228	5.73	239	5.91		-0.18
Unchahar III TPS (1*210)	210	192	190	125	2.89	120	2.86		0.02
Unchahar IV TPS(1*500)	500	505	517	517	12.47	519	0.00		12.47
ISTPP (Jhajjar) (3*500)	1500	948	967	871	18.08	753	18.63		-0.55
Dadri GPS (4*130,19+2*154.51)	830	773	630	115	3.16	132	3.21		-0.05
Anta GPS (3*88.71+1*153.2)	419	393	189	154	4.12	171	4.09		0.03
Auraiya GPS (4*111.19+2*109.30)	663	613	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	0.04		0.00
Singrauli Solar(15)	15	3	0	0	0.00	0	0.07		-0.07
KHEP(4*200)	800	792	858	647	15.32	638	14.50		0.82
Sub Total (A)	12612	10506	9996	8210	192	8012	180		11.93
B. NPC									
NAPS (2*220)	440	384	418	418	9.13	380	9.22		-0.09
RAPS- B (2*220)	440	373	415	420	8.98	374	8.88		0.10
RAPS- C (2*220)	440	430	450	451	9.67	403	10.32		-0.65
Sub Total (B)	1320	1187	1283	1289	27.78	1157	28.42		-0.64
C. NHPC									
Chamera I HPS (3*180)	540	534	545	541	13.03	543	12.82		0.21
Chamera II HPS (3*100)	300	300	305	301	7.21	301	7.20		0.01
Chamera III HPS (3*77)	231	231	238	236	5.63	235	5.54		0.10
Bairasuli HPS(3*60)	180	118	183	62	2.75	115	2.60		0.15
Salat-HPS (6*115)	690	672	681	681	16.38	682	16.12		0.25
Tanakpur-HPS (3*31.4)	94	91	95	96	2.26	94	2.17		0.09
Uri-I HPS (4*120)	480	207	342	202	5.26	219	4.98		0.28
Uri-II HPS (4*60)	240	128	118	119	3.10	129	3.06		0.04
Dhauliganga-HPS (4*70)	280	281	290	293	6.81	284	6.75		0.05
Dulhasti-HPS (3*130)	390	387	401	399	9.41	392	9.28		0.13
Sewa-II HPS (3*40)	120	119	124	0	1.78	74	1.72		0.06
Parbati 3 (4*130)	520	514	515	0	3.71	155	3.65		0.06
Sub Total (C)	4065	3580	3836	2930	77	3222	76		1.45
D.SJVNL									
NJPC (6*250)	1500	1497	1584	1512	36.28	1512	35.94		0.34
Rampur HEP (6*68.67)	412	412	443	424	10.27	428	9.89		0.37
Sub Total (D)	1912	1910	2027	1936	46.55	1939	45.83		0.72
E. THDC									
Tehri HPS (4*250)	1000	988	1008	0	6.98	291	6.65		0.33
Koteshwar HPS (4*100)	400	95	100	101	2.32	97	2.27		0.05
Sub Total (E)	1400	1083	1108	101	9.30	388	8.92		0.38
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	871	1337	650	21.01	875	20.91		0.09
Dehar HPS (6*165)	990	580	825	560	14.20	592	13.93		0.27
Pong HPS (6*66)	396	204	330	66	4.93	205	4.91		0.02
Sub Total (F)	2765	1656	2492	1276	40.14	1672	39.75		0.39
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	227	105	3.25	135	2.59		0.65
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	860	860	20.66	861	20.39		0.27
Malana Stg-II HPS (2*50)	100	0	123	112	2.51	104	2.33		0.17
Shree Cement TPS (2*150)	300	0	147	144	2.98	124	2.99		-0.01
Budhi HPS(IPP) (2*35)	70	0	76	75	1.80	75	1.66		0.14
Sub Total (G)	1662	0	1432	1296	31.19	1300	29.97		1.22
H. Total Regional Entities (A-G)	25737	19922	22174	17038	424.56	17690	409.12		15.44

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	160	160	3.46	144
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.18	91
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	203	202	4.36	182
Goindwal(GVK) (2*270)	540	180	180	4.29	179
Rajpura (2*700)	1400	860	660	17.82	743
Talwandi Saboo (3*660)	1980	616	616	16.13	672

	Thermal (Total)	6560	2119	1918	48.24	2010
	Total Hydro	1000	900	710	19.77	824
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.15	6
	Solar	859	0	0	0.06	2
	Renewable(Total)	1162	0	0	0.21	9
	Total Punjab	8722	3019	2628	68.21	2842
Haryana	Panipat TPS (2*210+2*250)	920	397	411	9.65	402
	DCRTPP (Yamuna nagar) (2*300)	600	233	207	5.00	208
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	454	385	9.07	378
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajar(CLP) (2*660)	1320	1118	838	22.67	945
	Thermal (Total)	4497	2202	1841	46.38	1933
	Total Hydro	62	4	36	0.76	32
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.00	0
	Solar	50	0	0	0.00	0
	Renewable(Total)	156	0	0	0.00	0
	Total Haryana	4715	2206	1877	47.14	1964
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	952	869	21.67	903
	suratgarh TPS (6*250)	1500	543	697	14.16	590
	Chabra TPS (4*250)	1000	403	404	9.03	376
	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	30	173	3.83	160
	RAPS A (NPC) (1*100+1*200)	300	170	168	4.17	174
	Barsingar (NLC) (2*125)	250	100	194	3.07	128
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	548	377	10.20	425
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	857	827	19.80	825
	Kawai(Adani) (2*660)	1320	595	434	11.24	468
	Thermal (Total)	9536	4198	4143	97.17	4049
	Total Hydro	550	165	146	2.84	118
	Wind power	4292	1338	882	27.82	1159
	Biomass	102	30	30	0.72	30
	Solar	1995	0	0	1.78	74
	Renewable/Others (Total)	6389	1368	912	30.32	1263
	Total Rajasthan	16475	5731	5201	130.32	5430
UP	Anpara TPS (3*210+2*500)	1630	714	730	17.50	729
	Obra TPS (2*50+2*94+5*200)	1194	407	391	9.30	388
	Paricha TPS (2*110+2*220+2*250)	1160	794	739	18.80	783
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	382	397	10.00	417
	Tanda TPS (NTPC) (4*110)	440	372	396	8.89	370
	Roza TPS (IPP) (4*300)	1200	803	810	17.40	725
	Anpara-C (IPP) (2*600)	1200	914	828	19.50	813
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	453	433	10.70	446
	Lalitpur TPS(3*660)	1980	865	1127	23.90	996
	Bara(2*660)	1320	607	603	14.50	604
	Thermal (Total)	12449	6311	6454	150.49	6270
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.50	438
	Alaknanda(4*82.5)	330	343	339	8.20	342
	Other Hydro	527	300	299	6.60	275
	Cogeneration	981	30	30	0.72	30
	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	7419	7557	176.51	7355
	Uttarakhand	Other Hydro	1250	890	879	20.83
Total Gas		225	280	285	6.74	281
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		100	0	0	0.69	29
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		407	0	0	0.69	29
Total Uttarakhand		1882	1170	1164	28.26	1177
Delhi	Raighat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	34	32	0.87	36
	Pragati Gas Turbine (2x104+ 1x122)	330	265	265	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	470	430	10.49	437
	Badarpur TPS (NTPC) (3*95+2*210)	705	340	340	7.72	322
	Thermal (Total)	2917	1109	1067	25.47	1061
	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	1109	1067	25.47	1061	
HP	Baspa HPS (IPP) (3*100)	300	331	331	7.82	326
	Malana HPS (IPP) (2*43)	86	99	76	1.91	80
	Other Hydro (>25MW)	372	397	349	8.18	341
	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	289	285	6.73	280
	Renewable(Total)	486	289	285	6.73	280
Total HP	1244	1116	1041	24.64	1027	
J & K	Baqilhar 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		52226	22856	21619	526.57	21940
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7283	8352	180.66	7527
Total Regional Availability(Gross)		77963	52312	47009	1131.79	47158

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11530	7967	216.84	8960
State Control Area Hydro	7243	5519	5254	113.43	5316
Total Regional Hydro	19477	17048	13221	330.27	14276

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	8844	1657	1197	37.94	1581
Total Regional Renewable	8874	1657	1197	38.01	1584

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	-450	0	500	0.00	10.61	-10.61
765 KV Gwalior-Agra (D/C)	2376	2306	2847	0	49.42	0.00	49.42
400 KV Zerda-Kankroli	-140	-72	123	267	0.00	3.29	-3.29
400 KV Zerda-Bhinmal	29	-79	174	254	0.00	2.40	-2.40
220 KV Auraiya-Malanpur	6	2	0	2	0.05	0.00	0.05
220 KV Badod-Kota/Morak	-42	-4	75	100	0.00	0.55	-0.55
Mundra-Mohindergarh(HVDC Bipole)	1800	1502	2006	0	41.09	0.00	41.09
400 KV RAPP- Sujalpur	154	147	306	56	1.30	0.00	1.30
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	722	991	1176	0	20.14	0.00	20.14
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	1500	0	27.95	0	27.95
Sub Total WR	5405	5843			139.95	16.84	123.11
400 kV Sasaram - Varanasi	175	157	175	0	4.26	0.00	4.26
400 kV Sasaram - Allahabad	16	35	46	0	0.42	0.00	0.42
400 KV MZP- GKP (D/C)	403	646	787	0	13.91	0.00	13.91
400 KV Patna-Balia(D/C) X 2	551	766	852	0	16.69	0.00	16.69
400 KV B Sharif-Balia (D/C)	178	283	315	0	5.90	0.00	5.90
765 KV Gaya-Balia	286	330	344	0	6.44	0.00	6.44
765 KV Gaya-Varanasi (D/C)	243	347	373	0	6.56	0.00	6.56
220 KV Pusaui-Sahupuri	119	106	132	0	2.79	0.00	2.79
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-24	0	26	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-122	-25	138	122	0.00	0.14	-0.14
400 KV Barh -GKP (D/C)	-128	-194	0	218	0.00	4.25	-4.25
400 kV B Sharif - Varanasi (D/C)	33	-68	83	149	0.00	1.31	-1.31
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1728	2359			56.98	6.23	50.75
+/- 800 KV HVDC BiswanathChariali-Agra	150	150	500	0.00	6.80	0.00	6.80
Sub Total NER	150	150			6.80	0.00	6.80
Total IR Exch	7283	8352			203.73	23.07	180.66

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
38.88	3.66	42.55	26.56	15.33	-7.40	1.36	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
61.71	139.89	201.60	57.55	123.11	180.66	-4.16	-16.78	-20.94

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	-28	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	5.54	52.00	81.81	12.48	0.91	0.00	0.00

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.13	4.01	49.81	18.41	49.99	0.028	0.052	0.00	0.00	18.19

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	406	13:00	400	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	7:17	392	22:05	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	7:21	396	20:52	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	7:22	402	0:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	7:34	401	0:08	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	418	7:01	400	0:05	0.0	0.0	0.0	0.0	0.0
Bawana	400	411	6:58	398	0:04	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	18:01	400	0:08	0.0	0.0	0.3	0.0	0.3
Hissar	400	412	7:01	397	0:09	0.0	0.0	0.0	0.0	0.0
Moga	400	413	8:01	402	0:08	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	411	16:09	400	0:16	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	415	7:09	407	0:09	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	413	3:13	404	11:06	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	3:02	387	19:22	0.0	13.8	0.0	0.0	0.0
Amritsar	400	415	8:00	405	0:20	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	414	6:01	406	0:06	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	7:22	400	20:54	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 Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	782	7:08	750	0:08	0.0	0.0	0.0	0.0	0.0
Balia	765	788	7:21	752	22:17	0.0	0.0	0.0	0.0	0.0
Moga	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Agra	765	793	7:04	763	0:03	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	797	6:45	771	0:09	0.0	0.0	0.0	0.0	0.0

Unnao	765	773	7:18	739	22:30	0.0	4.2	0.0	0.0	0.0
Lucknow	765	793	7:25	752	22:08	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	7:22	772	0:08	0.0	0.0	5.8	0.0	5.8
Jhatikara	765	796	7:01	767	0:05	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	797	7:24	756	21:37	0.0	0.0	0.0	0.0	0.0
Anta	765	788	18:02	766	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	8:03	768	0:00	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	508.85	1485.27	500.90	1127.29	810.31	617.45
Pong	426.72	384.05	420.95	931.43	416.98	755.83	542.89	281.75
Tehri	829.79	740.04	816.65	935.25	817.85	959.00	361.14	156.00
Koteshwar	612.50	598.50	611.31	5.20	610.53	4.58	156.00	152.51
Chamera-I	760.00	748.75	754.65	0.00	0.00	0.00	358.66	353.39
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	520.22	9.10	521.10	6.39	192.05	380.29

* 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	1773	0	0	1323	0	0	40.38	0.02	40.40
Delhi	669	-40	0	732	-421	0	18.08	-4.03	14.06
Haryana	1435	201	0	1437	31	0	25.95	3.76	29.71
HP	-1328	-190	0	-1356	-359	0	-29.59	-5.51	-35.10
J&K	-744	-374	0	-744	-66	0	-17.84	-2.76	-20.60
CHD	0	0	0	0	-65	0	0.00	0.21	0.21
Rajasthan	-59	337	0	-262	-451	0	-1.23	-0.01	-1.24
UP	1140	443	0	1573	250	0	15.21	12.20	27.41
Uttarakhand	-196	8	0	-269	11	0	-5.18	1.38	-3.80
Total	2690	385	0	2434	-1070	0	45.77	5.27	51.04

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1786	1323	29	0	0	0
Delhi	1193	515	61	-492	0	0
Haryana	1482	884	222	-101	0	0
HP	-1037	-1584	-114	-372	0	0
J&K	-744	-744	0	-464	0	0
CHD	0	0	49	-65	0	0
Rajasthan	41	-262	337	-1609	0	0
UP	1617	98	1724	-45	0	0
Uttarakhand	-180	-269	136	-3	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	1	14
Haryana	1	18
Rajasthan	0	12
Delhi	4	39
UP	1	18
Uttarakhand	1	19
HP	1	17
J & K	1	24
Chandigarh	3	16

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 30.08.2017 :

XVI. Synchronisation of new generating units :

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

i. 400 kV bay no. 409 at Fatehabad(765kV) Substation(UP), first time charged at 18.06 Hrs. on 30.082017

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 : 30.08.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER