

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOH188682

Power Supply Position in Northern Region for 23.08.2017

Date of Reporting - 24.08.2017



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
52398	1418	53816	50.01	50597	1031	51628	49.99	1201.37	9.72

* 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	72.23	21.47	0.34	94.03	122.76	122.32	-0.44	216.35	0.00
Haryana	61.30	0.85	0.00	62.15	111.70	113.05	1.35	175.20	0.00
Rajasthan	122.59	0.33	10.29	133.21	85.11	86.73	1.63	219.94	0.00
Delhi	25.63		0.00	25.63	87.52	86.68	-0.84	112.31	0.04
UP	163.60	24.26	0.00	187.87	177.68	177.24	0.56	365.11	0.00
Uttarakhand		21.12	7.16	28.28	10.17	10.06	-0.11	38.34	0.00
HP		18.65	6.98	25.63	-0.35	2.48	2.83	28.11	0.00
J & K		26.03	0.00	26.03	14.64	14.77	0.13	40.79	9.68
Chandigarh				0.00	5.69	5.22	-0.47	5.22	0.00
Total	445.35	112.70	24.77	582.81	613.91	618.55	4.64	1201.37	9.72

* 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	9802	0	-59	1328	8156	0	85	1688	10014	21	0
Haryana	8246	0	91	1276	7637	0	108	1615	8468	21	0
Rajasthan	8499	0	-81	87	9788	0	243	400	10149	1	0
Delhi	4790	0	-51	344	4811	0	129	546	5391	1	0
UP	15728	910	-427	1388	16077	790	47	2146	16832	2	750
Uttarakhand	1820	0	-62	-275	1591	0	44	-227	1820	20	0
HP	1235	0	142	-1697	988	0	122	-1651	1315	8	0
J&K	2032	508	162	-826	1367	241	14	-1233	2032	20	508
Chandigarh	245	0	-27	-40	182	0	-35	-10	256	16	0
Total	52398	1418	-311	1585	50597	1031	759	3274	53571	21	1481

* 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	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1740	1914	1882	41.47	1728	40.93	0.54	
Rihand I STPS (2*500)	1000	461	494	487	11.02	459	11.07	-0.04	
Rihand II STPS (2*500)	1000	943	1001	981	22.42	934	22.62	-0.20	
Rihand III STPS (2*500)	1000	943	1029	988	22.76	948	22.60	0.16	
Dadri I STPS (4*210)	840	576	452	439	10.61	442	10.90	-0.28	
Dadri II STPS (2*490)	980	929	808	485	15.54	647	16.26	-0.72	
Unchahar I TPS (2*210)	420	383	387	329	7.50	313	7.94	-0.44	
Unchahar II TPS (2*210)	420	383	419	364	7.77	324	8.31	-0.54	
Unchahar III TPS (1*210)	210	192	197	137	3.57	149	3.78	-0.22	
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	948	965	956	20.02	834	20.96	-0.94	
Dadri GPS (4*130,19+2*154.51)	830	767	187	154	3.67	153	3.85	-0.18	
Anta GPS (3*88.71+1*153.2)	419	392	0	0	0.00	0	0.00	0.00	
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	0.01	1	0.02	-0.01	
Unchahar Solar(10)	10	1	0	0	0.01	1	0.03	-0.02	
Singrauli Solar(15)	15	2	0	0	0.00	0	0.06	-0.06	
KHEP(4*200)	800	757	864	801	18.46	769	17.50	0.96	
Sub Total (A)	12612	10031	8717	8003	185	7702	187	-2.00	
B. NPC									
NAPS (2*220)	440	378	424	420	9.17	382	9.07	0.10	
RAPS- B (2*220)	440	418	413	414	8.95	373	9.87	-0.92	
RAPS- C (2*220)	440	367	446	448	9.64	402	8.81	0.83	
Sub Total (B)	1320	1163	1283	1282	27.76	1157	27.75	0.01	
C. NHPC									
Chamera I HPS (3*180)	540	535	544	544	8.61	359	8.40	0.21	
Chamera II HPS (3*100)	300	300	302	301	6.93	289	6.90	0.03	
Chamera III HPS (3*77)	231	202	234	230	4.90	204	4.84	0.06	
Bairasuli HPS(3*60)	180	126	182	62	2.23	93	2.13	0.10	
Salal-HPS (6*115)	690	672	684	681	16.41	684	16.12	0.29	
Tanakpur-HPS (3*31.4)	94	80	96	91	2.24	93	1.93	0.31	
Uri-I HPS (4*120)	480	293	438	283	7.50	312	7.03	0.47	
Uri-II HPS (4*60)	240	169	153	166	4.16	173	4.05	0.11	
Dhauliganga-HPS (4*70)	280	281	294	289	6.83	285	6.74	0.10	
Dulhasti-HPS (3*130)	390	387	398	395	9.40	391	9.26	0.14	
Sewa-II HPS (3*40)	120	101	122	122	1.46	61	1.40	0.06	
Parbati 3 (4*130)	520	502	518	0	3.20	133	3.19	0.01	
Sub Total (C)	4065	3646	3964	2965	74	3077	72	1.87	
D.SJVNL									
NJPC (6*250)	1500	1513	1598	1598	37.27	1553	36.20	1.07	
Rampur HEP (6*68.67)	412	416	443	445	10.37	432	9.96	0.41	
Sub Total (D)	1912	1929	2041	2043	47.64	1985	46.16	1.48	
E. THDC									
Tehri HPS (4*250)	1000	988	1047	262	10.50	438	10.01	0.50	
Koteshwar HPS (4*100)	400	130	400	91	3.18	132	3.12	0.05	
Sub Total (E)	1400	1118	1447	353	13.68	570	13.13	0.55	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	811	1338	622	19.48	812	19.47	0.01	
Dehar HPS (6*165)	990	585	825	560	14.27	595	14.03	0.24	
Pong HPS (6*66)	396	306	330	264	7.44	310	7.35	0.10	
Sub Total (F)	2765	1702	2493	1446	41.19	1716	40.85	0.34	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	221	84	2.70	113	2.60	0.11	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.37	1099	26.08	0.29	
Malana Stg-II HPS (2*50)	100	0	112	105	2.34	97	2.19	0.15	
Shree Cement TPS (2*150)	300	0	146	146	3.49	145	3.53	-0.04	
Budhli HPS(IPP) (2*35)	70	0	72	70	1.70	71	1.79	-0.10	
Sub Total (G)	1662	0	1651	1505	36.59	1525	36.20	0.40	
H. Total Regional Entities (A-G)	25737	19589	21596	17597	425.56	17732	422.90	2.66	

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	210	160	3.63	151
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.97	82
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	202	204	4.51	188
Goindwal(GVK) (2*270)	540	180	180	4.33	180
Rajpura (2*700)	1400	1320	660	27.26	1136
Talwandi Saboo (3*660)	1980	1450	924	30.52	1272

	Thermal (Total)	6560	3452	2218	72.23	3009
	Total Hydro	1000	895	911	21.47	895
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.25	10
	Solar	560	0	0	0.09	4
	Renewable(Total)	848	0	0	0.34	14
	Total Punjab	8408	4347	3129	94.03	3918
Haryana	Panipat TPS (2*210+2*250)	920	260	365	8.19	341
	DCRTPP (Yamuna nagar) (2*300)	600	470	430	10.29	429
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	195	0	1.51	63
	RGTPP (khedar) (IPP) (2*600)	1200	991	750	18.18	758
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1146	805	23.13	964
	Thermal (Total)	4497	3062	2350	61.30	2554
	Total Hydro	62	36	35	0.85	35
	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	3098	2385	62.15	2590
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	740	870	21.88	912
	suratgarh TPS (6*250)	1500	895	883	22.90	954
	Chabra TPS (4*250)	1000	405	462	10.23	426
	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	168	175	4.54	189
	RAPS A (NPC) (1*100+1*200)	300	167	166	4.22	176
	Barsingar (NLC) (2*125)	250	103	108	2.43	101
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwst LTPS (IPP) (8*135)	1080	477	829	17.95	748
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	817	1107	24.41	1017
	Kawai(Adani) (2*660)	1320	469	616	14.03	584
	Thermal (Total)	9536	4241	5216	122.59	5108
	Total Hydro	550	0	31	0.33	14
	Wind power	4017	847	267	7.23	301
	Biomass	99	25	25	0.61	25
	Solar	1295	0	0	2.45	102
	Renewable/Others (Total)	5411	872	292	10.29	429
	Total Rajasthan	15497	5113	5539	133.21	5550
UP	Anpara TPS (3*210+2*500)	1630	719	730	17.74	739
	Obra TPS (2*50+2*94+5*200)	1194	525	479	12.13	505
	Paricha TPS (2*110+2*220+2*250)	1160	582	581	14.18	591
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	411	418	9.66	403
	Tanda TPS (NTPC) (4*110)	440	375	392	8.84	368
	Roza TPS (IPP) (4*300)	1200	796	801	16.51	688
	Anpara-C (IPP) (2*600)	1200	1099	1065	25.49	1062
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	448	448	10.83	451
	Lalitpur TPS(3*660)	1980	844	1124	33.06	1378
	Bara(2*660)	1320	603	601	14.45	602
	Thermal (Total)	12449	6402	6639	162.88	6787
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.48	437
	Alaknanda(4*82.5)	330	344	340	7.78	324
	Other Hydro	527	201	310	6.00	250
	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	7412	7754	187.87	7828
	Uttarakhand	Other Hydro	1250	883	884	21.12
Total Gas		225	289	285	6.89	287
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		100	0	0	0.27	11
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		407	0	0	0.27	11
Total Uttarakhand		1882	1172	1169	28.28	1178
Delhi	Raighat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	75	74	1.70	71
	Pragati Gas Turbine (2x104+ 1x122)	330	259	259	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	431	427	10.52	438
	Badarpur TPS (NTPC) (3*95+2*210)	705	320	313	7.04	293
	Thermal (Total)	2917	1086	1072	25.63	1068
	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	1086	1072	25.63	1068	
HP	Baspa HPS (IPP) (3*100)	300	330	330	7.91	330
	Malana HPS (IPP) (2*43)	86	96	91	2.15	89
	Other Hydro (>25MW)	372	398	360	8.60	358
	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	230	226	6.98	291
	Renewable(Total)	486	230	226	6.98	291
Total HP	1244	1054	1006	25.63	1068	
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	884	884	21.21	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	1084	
Total State Control Area Generation		50818	24368	23139	582.81	24284
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7068	10302	212.21	8842
Total Regional Availability(Gross)		76555	53032	51037	1220.58	50858

IV. Total Hydro Generation:

Regional Entities Hydro	12234	12242	8997	226.24	9427
State Control Area Hydro	7243	5223	5321	119.68	5285
Total Regional Hydro	19477	17465	14218	345.92	14712

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.03	1
State Control Area Renewable	7436	1102	518	17.88	745
Total Regional Renewable	7466	1102	518	17.90	746

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)	-400	-200	0	500	0.00	8.68	-8.68
765 KV Gwalior-Agra (D/C)	2030	2481	2567	0	50.96	0.00	50.96
400 KV Zerda-Kankroli	-15	121	147	160	0.71	0.00	0.71
400 KV Zerda-Bhinmal	50	171	199	109	2.00	0.00	2.00
220 KV Auraiya-Malanpur	-31	-30	0	37	0.00	0.97	-0.97
220 KV Badod-Kota/Morak	37	76	113	37	1.16	0.00	1.16
Mundra-Mohindergarh(HVDC Bipole)	2003	2303	2306	0	53.84	0.00	53.84
400 KV RAPP-Subalpur	190	351	399	0	6.09	0.00	6.09
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	557	1006	1051	0	21.50	0.00	21.50
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	1500	0	30.07	0	30.07
Sub Total WR	5421	7779			166.33	9.65	156.68
400 kV Sasaram - Varanasi	168	153	171	0	3.72	0.00	3.72
400 kV Sasaram - Allahabad	17	37	55	0	0.91	0.00	0.91
400 KV MZP- GKP (D/C)	258	530	660	0	11.62	0.00	11.62
400 KV Patna-Balia(D/C) X 2	782	773	918	0	19.04	0.00	19.04
400 KV B Sharif-Balia (D/C)	75	215	316	0	5.08	0.00	5.08
765 KV Gaya-Balia	209	308	333	0	5.98	0.00	5.98
765 KV Gaya-Varanasi (D/C)	141	398	398	0	7.30	0.00	7.30
220 KV Pusaui-Sahupuri	116	112	171	0	2.39	0.00	2.39
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.47	-0.47
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-180	-100	14	208	0.00	1.74	-1.74
400 KV Barh -GKP (D/C)	-182	-169	0	186	0.00	3.70	-3.70
400 kV B Sharif - Varanasi (D/C)	93	-34	93	123	0.00	0.85	-0.85
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1497	2223			56.99	6.76	50.23
+/- 800 KV HVDC BiswanathChariali-Agra	150	300	300	0.00	5.30	0.00	5.30
Sub Total NER	150	300			5.30	0.00	5.30
Total IR Exch	7068	10302			228.61	16.40	212.21

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
43.90	3.69	47.59	21.73	13.28	-2.00	12.64	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
67.32	149.83	217.15	55.53	156.68	212.21	-11.79	6.85	-4.94

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	-26	0	0	29	0	0	-0.29

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	0.51	6.67	60.63	83.44	8.82	1.17	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)	
50.15	18.06	49.77	19.23	49.98	0.032	0.054	50.07	49.80	16.56

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	18:01	400	2:44	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	17:47	394	19:12	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	18:01	396	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	415	18:01	399	0:00	0.0	0.0	0.0	0.0	0.0
Dadri	400	414	7:00	399	19:16	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	413	6:03	396	0:00	0.0	0.0	0.0	0.0	0.0
Bawana	400	410	6:02	396	19:12	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	16:04	396	0:00	0.0	0.0	0.9	0.0	0.9
Hissar	400	410	6:59	395	19:20	0.0	0.0	0.0	0.0	0.0
Moga	400	411	4:01	397	19:18	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	413	6:01	399	19:14	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	415	5:01	401	14:27	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Wagoora	400	411	4:24	384	19:53	0.0	8.7	0.0	0.0	0.0
Amritsar	400	414	4:01	399	14:38	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	408	0:00	400	14:43	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	4:47	399	19:12	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	776	18:05	747	19:16	0.0	0.0	0.0	0.0	0.0
Balia	765	785	18:02	752	0:00	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	791	18:03	758	0:00	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	794	6:10	767	0:00	0.0	0.0	0.0	0.0	0.0

Unnao	765	776	18:01	745	0:00	0.0	0.0	0.0	0.0
Lucknow	765	790	18:02	756	0:00	0.0	0.0	0.0	0.0
Meerut	765	804	6:02	768	19:16	0.0	0.0	4.6	0.0
Jhatikara	765	792	6:57	762	0:00	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	799	18:05	764	0:00	0.0	0.0	0.0	0.0
Anta	765	790	17:00	760	0:00	0.0	0.0	0.0	0.0
Phagi	765	795	17:41	760	0:00	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	507.51	1426.07	498.64	1041.47	955.66	586.47
Pong	426.72	384.05	420.31	902.94	415.25	680.86	495.49	424.98
Tehri	829.79	740.04	812.05	842.28	813.80	882.26	456.14	243.00
Koteshwar	612.50	598.50	611.40	5.20	610.82	4.98	243.00	210.03
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	246.32	234.00
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	521.47	10.33	519.34	5.29	262.98	412.99

* 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	1688	0	0	1328	0	0	38.89	0.02	38.91
Delhi	604	-58	0	657	-313	0	17.05	-2.95	14.10
Haryana	1420	195	0	1243	33	0	25.16	3.80	28.96
HP	-1301	-350	0	-1342	-356	0	-28.93	-7.44	-36.37
J&K	-741	-493	0	-741	-86	0	-17.77	-4.18	-21.95
CHD	0	-10	0	0	-40	0	0.00	-0.26	-0.26
Rajasthan	-59	459	0	-59	146	0	-1.41	9.80	8.39
UP	1148	999	0	1433	-45	0	14.59	22.75	37.33
Uttarakhand	-206	-21	0	-279	5	0	-5.42	0.58	-4.83
Total	2553	721	0	2241	-656	0	42.15	22.12	64.27

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1720	1328	39	0	0	0
Delhi	1128	520	150	-365	0	0
Haryana	1420	886	221	31	0	0
HP	-1060	-1570	-223	-397	0	0
J&K	-741	-741	0	-498	0	0
CHD	0	0	39	-40	0	0
Rajasthan	-59	-59	1143	-825	0	0
UP	1498	102	1587	-45	0	0
Uttarakhand	-190	-279	112	-51	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	0	12
Haryana	1	15
Rajasthan	1	18
Delhi	3	18
UP	0	9
Uttarakhand	1	24
HP	4	27
J & K	3	16
Chandigarh	4	27

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 23.08.2017 :

XVI. Synchronisation of new generating units :

1. 660 MW Unit #1 at Meja(UP) first time synchronised at 2151 hrs of 23.08.2017

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 : 23.08.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER