

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO188682

Power Supply Position in Northern Region for 28.08.2017

Date of Reporting : 29.08.2017



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
51237	1453	52690	50.06	47890	247	48137	50.03	1138.96	10.11

* 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	64.68	21.39	0.23	86.31	123.98	125.17	1.20	211.48	0.00
Haryana	48.71	0.86	0.00	49.56	123.50	125.78	2.28	175.34	0.00
Rajasthan	109.76	1.57	11.72	123.04	71.99	73.32	1.33	196.37	0.00
Delhi	24.61		0.00	24.61	83.26	81.37	-1.89	105.99	0.01
UP	149.81	22.23	0.00	172.04	167.31	167.99	0.68	340.03	0.00
Uttarakhand		21.23	7.26	28.48	7.75	8.20	0.46	36.68	0.00
HP		17.97	6.98	24.96	0.72	1.07	0.35	26.02	0.10
J & K		25.99	0.00	25.99	14.75	16.16	1.41	42.15	10.01
Chandigarh				0.00	5.87	4.90	-0.97	4.90	0.00
Total	397.57	111.24	26.19	535.00	599.12	603.96	4.85	1138.96	10.11

* 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	9335	0	85	1222	8296	0	20	1773	9351	21	0
Haryana	7618	13	56	1155	7503	0	230	1704	8064	21	0
Rajasthan	8495	0	26	32	8733	0	141	137	9364	24	0
Delhi	4474	0	-253	243	4450	0	45	579	5009	1	0
UP	15975	920	-46	1350	15089	0	250	1747	16825	22	685
Uttarakhand	1817	0	80	-282	1302	0	-44	-164	1817	20	0
HP	1211	0	17	-1683	921	0	42	-1515	1266	12	0
J&K	2081	520	233	-799	1401	247	92	-1127	2081	20	520
Chandigarh	231	0	-38	-70	195	0	-5	0	250	23	0
Total	51237	1453	159	1168	47890	247	772	3134	52415	21	1444

* 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	1887	1898	40.58	1691	40.64	-0.07	
Rihand I STPS (2*500)	1000	888	930	804	20.60	858	20.71	-0.11	
Rihand II STPS (2*500)	1000	943	945	962	21.54	898	22.38	-0.84	
Rihand III STPS (2*500)	1000	943	980	973	22.21	925	22.35	-0.14	
Dadri I STPS (4*210)	840	576	554	354	8.69	362	8.93	-0.24	
Dadri II STPS (2*490)	980	929	749	530	14.16	590	14.72	-0.56	
Unchahar I TPS (2*210)	420	383	408	272	6.88	287	7.35	-0.47	
Unchahar II TPS (2*210)	420	383	376	228	6.58	274	7.31	-0.73	
Unchahar III TPS (1*210)	210	192	187	116	3.14	131	3.46	-0.32	
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	948	893	685	18.44	768	19.49	-1.05	
Dadri GPS (4*130, 19+2*154.51)	830	768	164	122	3.37	141	3.69	-0.31	
Anta GPS (3*88.71+1*153.2)	419	389	157	233	4.79	199	4.90	-0.11	
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	1	0	0	0.04	2	0.04	0.01	
Singrauli Solar(15)	15	2	0	0	0.05	2	0.04	0.01	
KHEP(4*200)	800	792	865	823	14.87	620	14.50	0.37	
Sub Total (A)	12612	10490	9095	8000	186	7748	191	-4.56	
B. NPC									
NAPS (2*220)	440	383	421	425	9.22	384	9.19	0.03	
RAPS- B (2*220)	440	373	419	418	8.96	373	8.88	0.07	
RAPS- C (2*220)	440	430	451	453	9.65	402	10.32	-0.67	
Sub Total (B)	1320	1186	1291	1296	27.83	1159	28.40	-0.57	
C. NHPC									
Chamera I HPS (3*180)	540	534	541	236	7.61	317	7.48	0.14	
Chamera II HPS (3*100)	300	300	300	303	6.06	253	6.05	0.01	
Chamera III HPS (3*77)	231	174	227	228	4.20	175	4.16	0.05	
Bairasuli HPS(3*60)	180	72	60	60	1.74	73	1.74	0.01	
Salal-HPS (6*115)	690	617	683	599	15.61	650	14.81	0.80	
Tanakpur-HPS (3*31.4)	94	91	94	97	2.28	95	2.17	0.11	
Uri-I HPS (4*120)	480	219	359	203	5.59	233	5.25	0.34	
Uri-II HPS (4*60)	240	125	114	122	3.10	129	3.01	0.09	
Dhauliganga-HPS (4*70)	280	281	282	276	6.84	285	6.75	0.09	
Dulhasti-HPS (3*130)	390	387	397	397	9.38	391	9.28	0.10	
Sewa-II HPS (3*40)	120	119	39	0	0.51	21	0.50	0.01	
Parbati 3 (4*130)	520	463	517	0	2.41	100	2.40	0.01	
Sub Total (C)	4065	3382	3615	2518	65	2723	64	1.76	
D.SJVNL									
NJPC (6*250)	1500	1497	1581	1504	36.70	1529	35.94	0.76	
Rampur HEP (6*68.67)	412	412	442	410	10.33	431	9.89	0.44	
Sub Total (D)	1912	1910	2023	1914	47.03	1960	45.83	1.20	
E. THDC									
Tehri HPS (4*250)	1000	988	990	0	7.53	314	7.46	0.07	
Koteshwar HPS (4*100)	400	106	200	95	2.59	108	2.55	0.04	
Sub Total (E)	1400	1094	1190	95	10.12	422	10.01	0.11	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	881	1349	651	21.09	879	21.15	-0.05	
Dehar HPS (6*165)	990	590	825	560	14.27	595	14.15	0.12	
Pong HPS (6*66)	396	257	330	198	6.20	258	6.18	0.02	
Sub Total (F)	2765	1728	2504	1409	41.56	1732	41.47	0.09	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	156	99	2.19	91	1.98	0.21	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1000	23.99	1000	23.71	0.28	
Malana Stg-II HPS (2*50)	100	0	109	100	2.33	97	2.20	0.13	
Shree Cement TPS (2*150)	300	0	146	146	3.47	145	3.52	-0.04	
Budhli HPS(IPP) (2*35)	70	0	70	70	1.42	59	1.66	-0.24	
Sub Total (G)	1662	0	1582	1414	33.41	1392	33.07	0.34	
H. Total Regional Entities (A-G)	25737	19789	21300	16646	411.24	17135	412.87	-1.63	

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	150	0	0.70	29
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	110	100	2.22	92
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	166	0	0.83	35
Goindwal(GVK) (2*270)	540	390	340	8.47	353
Rajpura (2*700)	1400	1320	870	27.76	1157
Talwandi Saboo (3*660)	1980	900	924	24.70	1029

	Thermal (Total)	6560	3036	2234	64.68	2695
	Total Hydro	1000	899	904	21.39	891
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.15	6
	Solar	859	0	0	0.08	3
	Renewable(Total)	1162	0	0	0.23	10
	Total Punjab	8722	3935	3138	86.31	3596
Haryana	Panipat TPS (2*210+2*250)	920	380	365	9.22	384
	DCRTPP (Yamuna nagar) (2*300)	600	239	203	5.12	213
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	128	0	0.79	33
	RGTPP (khedar) (IPP) (2*600)	1200	457	368	9.12	380
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1111	782	24.45	1019
	Thermal (Total)	4497	2315	1718	48.71	2029
	Total Hydro	62	36	36	0.86	36
	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	2351	1754	49.56	2065
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	925	917	22.72	947
	suratgarh TPS (6*250)	1500	713	713	17.42	726
	Chabra TPS (4*250)	1000	380	409	9.55	398
	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	167	172	4.49	187
	RAPS A (NPC) (1*100+1*200)	300	170	170	4.21	175
	Barsingar (NLC) (2*125)	250	194	223	4.95	206
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwst LTPS (IPP) (8*135)	1080	635	508	13.82	576
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	866	883	20.22	843
	Kawai(Adani) (2*660)	1320	616	609	12.38	516
	Thermal (Total)	9536	4666	4604	109.76	4573
	Total Hydro	550	167	40	1.57	66
	Wind power	4292	529	752	11.25	469
	Biomass	102	17	17	0.41	17
	Solar	1995	0	0	0.05	2
	Renewable/Others (Total)	6389	546	769	11.72	488
	Total Rajasthan	16475	5379	5413	123.04	5127
UP	Anpara TPS (3*210+2*500)	1630	729	721	17.29	721
	Obra TPS (2*50+2*94+5*200)	1194	433	374	9.45	394
	Paricha TPS (2*110+2*220+2*250)	1160	751	575	15.05	627
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	442	318	8.38	349
	Tanda TPS (NTPC) (4*110)	440	390	392	8.05	335
	Roza TPS (IPP) (4*300)	1200	792	764	15.71	655
	Anpara-C (IPP) (2*600)	1200	819	985	23.69	987
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	442	444	10.76	448
	Lalitpur TPS(3*660)	1980	1597	1122	27.45	1144
	Bara(2*660)	1320	608	604	13.26	552
	Thermal (Total)	12449	7003	6299	149.09	6212
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436
	Alaknanda(4*82.5)	330	342	338	8.21	342
	Other Hydro	527	260	151	3.55	148
	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	8070	7253	172.04	7168
	Uttarakhand	Other Hydro	1250	897	896	21.23
Total Gas		225	285	290	6.87	286
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		100	0	0	0.38	16
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		407	0	0	0.38	16
Total Uttarakhand		1882	1182	1186	28.48	1187
Delhi	Raighat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	38	0.90	38
	Pragati Gas Turbine (2x104+ 1x122)	330	260	260	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	433	431	10.28	428
	Badarpur TPS (NTPC) (3*95+2*210)	705	303	310	7.06	294
	Thermal (Total)	2917	1034	1039	24.61	1026
	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	1034	1039	24.61	1026	
HP	Baspa HPS (IPP) (3*100)	300	329	329	7.78	324
	Malana HPS (IPP) (2*43)	86	90	81	1.97	82
	Other Hydro (>25MW)	372	358	349	8.23	343
	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	301	293	6.98	291
	Renewable(Total)	486	301	293	6.98	291
Total HP	1244	1078	1052	24.96	1040	
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	882	882	21.18	882
	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	1082	1082	26	1083	
Total State Control Area Generation		52226	24111	21917	535.00	22292
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7869	7869	9513	205.76	8573
Total Regional Availability(Gross)		77963	53281	48077	1152.00	48000

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11563	7958	208.86	8644
State Control Area Hydro	7243	5481	5224	111.24	5228
Total Regional Hydro	19477	17044	13182	320.11	13872

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.11	4
State Control Area Renewable	8844	847	1062	19.31	805
Total Regional Renewable	8874	847	1062	19.42	809

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	
Vindhyachal(HVDC B/B)	-250	-500	0	500	0.00	7.39	-7.39
765 KV Gwalior-Agra (D/C)	2166	2416	2505	0	50.72	0.00	50.72
400 KV Zerda-Kankroli	2	-19	103	125	0.00	0.10	-0.10
400 KV Zerda-Bhinmal	96	41	167	92	1.14	0.00	1.14
220 KV Auraiya-Malanpur	-17	-20	0	24	0.00	0.13	-0.13
220 KV Badod-Kota/Morak	-23	7	70	107	0.00	0.20	-0.20
Mundra-Mohindergarh(HVDC Bipole)	999	2002	2005	0	30.17	0.00	30.17
400 KV RAPP- Sujalpur	190	188	259	0	4.40	0.00	4.40
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	893	1179	1292	0	26.39	0.00	26.39
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	34.68	0	34.68
Sub Total WR	5556	6794			147.50	7.81	139.68
400 kV Sasaram - Varanasi	175	154	180	0	3.94	0.00	3.94
400 kV Sasaram - Allahabad	18	37	51	0	0.71	0.00	0.71
400 KV MZP- GKP (D/C)	444	652	733	0	15.16	0.00	15.16
400 KV Patna-Balia(D/C) X 2	594	819	914	0	18.50	0.00	18.50
400 KV B Sharif-Balia (D/C)	205	262	314	0	6.39	0.00	6.39
765 KV Gaya-Balia	285	301	354	0	6.31	0.00	6.31
765 KV Gaya-Varanasi (D/C)	239	389	425	425	7.62	0.00	7.62
220 KV Pusauli-Sahupuri	118	97	119	0	2.50	0.00	2.50
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.48	0.48
132 KV Son Ngr-Rihand	-26	-26	0	30	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	76	8	164	76	1.08	0.00	1.08
400 KV Barh -GKP (D/C)	-120	-172	0	214	0.00	3.44	-3.44
400 kV B Sharif - Varanasi (D/C)	5	-102	38	170	0.00	2.03	-2.03
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	2013	2419			63.16	6.46	56.70
+/- 800 KV HVDC BiswanathChariali-Agra	300	300	500	300.00	9.38	0.00	9.38
Sub Total NER	300	300			9.38	0.00	9.38
Total IR Exch	7869	9513			220.04	14.28	205.76

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
39.29	3.73	43.03	23.13	15.03	-4.74	3.29	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
61.42	147.95	209.37	66.08	139.68	205.76	4.66	-8.27	-3.61

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	0	0	27	0	0	-0.36

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	2.37	35.85	74.59	20.16	3.54	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)	
Freq	Time	Freq	Time	Hz	Index				
50.19	13.01	49.81	19.23	50.01	0.027	0.050	50.11	49.89	25.41

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	407	10:33	399	21:20	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	413	7:29	393	22:15	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	415	4:02	385	18:35	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	3:58	400	22:14	0.0	0.0	0.0	0.0	0.0
Dadri	400	412	3:22	399	22:22	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	417	4:00	398	22:16	0.0	0.0	0.0	0.0	0.0
Bawana	400	410	3:22	397	11:25	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	4:01	399	22:15	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	4:02	397	11:23	0.0	0.0	0.0	0.0	0.0
Moga	400	413	3:58	398	11:20	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	411	3:24	398	11:25	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	416	3:04	401	11:30	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	415	3:39	401	11:24	0.0	0.0	0.0	0.0	0.0
Wagoora	400	412	4:00	382	20:11	0.0	30.4	0.0	0.0	0.0
Amritsar	400	417	4:02	401	12:17	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	415	3:18	399	12:18	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	2:59	400	19:20	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	778	4:01	747	22:14	0.0	0.0	0.0	0.0	0.0
Balia	765	783	7:34	752	22:15	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	790	4:01	759	22:16	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	796	3:21	770	22:13	0.0	0.0	0.0	0.0	0.0

Unnao	765	768	7:34	738	22:15	0.0	6.7	0.0	0.0	0.0
Lucknow	765	786	4:02	751	22:15	0.0	0.0	0.0	0.0	0.0
Meerut	765	803	3:59	769	22:14	0.0	0.0	3.5	0.0	3.5
Jhatikara	765	796	4:01	764	22:13	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	791	4:01	756	22:15	0.0	0.0	0.0	0.0	0.0
Anta	765	788	4:02	766	22:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	4:04	764	22:22	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	508.64	1485.27	500.13	1101.35	800.06	640.24
Pong	426.72	384.05	420.85	931.43	416.50	730.66	406.32	355.77
Tehri	829.79	740.04	815.25	910.00	816.75	937.00	321.72	172.00
Koteshwar	612.50	598.50	610.70	4.95	610.78	4.95	172.00	170.90
Chamera-I	760.00	748.75	753.88	0.00	0.00	0.00	205.23	206.99
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	520.44	9.98	520.84	5.05	242.82	403.02

* 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	-101	0	40.38	-1.65	38.73
Delhi	669	-90	0	678	-436	0	17.27	-6.32	10.95
Haryana	1290	414	0	1142	13	0	24.19	5.24	29.42
HP	-1296	-219	0	-1337	-346	0	-28.54	-6.50	-35.05
J&K	-744	-384	0	-744	-56	0	-17.84	-3.67	-21.51
CHD	0	0	0	0	-70	0	0.00	-0.16	-0.16
Rajasthan	-59	196	0	-59	91	0	0.55	2.42	2.97
UP	1231	516	0	1420	-69	0	16.42	17.05	33.47
Uttarakhand	-212	48	0	-286	4	0	-5.57	0.23	-5.34
Total	2652	482	0	2139	-970	0	46.85	6.64	53.49

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1786	1323	29	-505	0	0
Delhi	1144	515	5	-664	0	0
Haryana	1290	884	418	12	0	0
HP	-1005	-1565	-154	-373	0	0
J&K	-744	-744	0	-500	0	0
CHD	0	0	39	-70	0	0
Rajasthan	138	-59	196	-1283	0	0
UP	1531	157	1700	-69	0	0
Uttarakhand	-197	-286	114	-156	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	0.69%

(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	16
Haryana	1	16
Rajasthan	1	15
Delhi	6	50
UP	0	11
Uttarakhand	2	14
HP	2	31
J & K	3	28
Chandigarh	4	23

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 28.08.2017 :

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 : 28.08.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER