

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GH188682

Power Supply Position in Northern Region for 22.09.2017
Date of Reporting : 23.09.2017



I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 Hrs) MW			Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
46032	528	46560	49.99	46492	242	46734	50.00	1070.70	10.58

*Half hourly (one 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	Gas/Naphtha/Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	88.89	18.26	0.00	0.08	0.00	0.15	107.38	99.34	98.84	-0.50	206.21	0.00
Haryana	47.10	0.88	0.00	0.00	0.00	47.98	105.80	106.85	106.85	1.05	154.82	0.00
Rajasthan	107.27	1.64	6.56	3.06	12.03	0.46	131.01	71.32	72.74	1.42	203.75	0.00
Delhi	7.08	0.00	18.92	0.00	0.00	0.00	26.00	75.12	72.20	-2.92	98.20	0.00
UP	137.11	19.52	0.00	0.00	0.00	1.20	157.82	140.32	139.00	-1.32	296.83	0.00
Uttarakhand	0.00	20.17	6.88	0.13	0.00	0.00	27.18	11.58	10.41	-1.17	37.59	0.00
HP	0.00	11.36	0.00	0.00	0.00	5.20	16.56	9.09	9.06	-0.03	25.62	0.44
J & K	0.00	16.42	0.00	0.00	0.00	0.00	16.42	24.16	26.28	2.12	42.71	10.14
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.72	4.98	-0.74	4.98	0.00
Total	387.44	88.24	32.36	3.27	12.03	7.00	530.35	542.45	540.35	-2.10	1070.70	10.58

* 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	8630	0	-189	625	8075	0	-22	707	9153	10	0
Haryana	6145	0	105	585	7206	0	6	562	7617	1	0
Rajasthan	8673	0	-46	-377	9062	0	-28	14	9665	1	0
Delhi	4118	0	-144	127	4417	0	12	216	5015	1	0
UP	13380	0	111	2154	13637	0	-64	2928	15113	1	0
Uttarakhand	1620	0	-162	-185	1541	0	-33	-62	1757	9	0
HP	1142	0	-11	-1120	997	0	14	-483	1393	8	0
J&K	2113	528	200	-181	1370	242	-65	-310	2113	20	528
Chandigarh	211	0	-58	-40	188	0	6	20	241	11	0
Total	46032	528	-194	1587	46492	242	-175	3590	50252	1	261

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

III. Regional Entities :

A. NTPC	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
Rihand I STPS (2*500)	1000	923	826	997	20.80	867	20.46	0.35	
Rihand II STPS (2*500)	1000	943	969	1006	21.73	905	21.04	0.69	
Rihand III STPS (2*500)	1000	943	746	1003	20.67	861	20.37	0.30	
Dadri I STPS (4*210)	840	436	410	413	9.91	413	9.71	0.20	
Dadri II STPS (2*490)	980	534	508	493	12.17	507	12.24	-0.08	
Unchahar I TPS (2*210)	420	383	262	329	5.98	249	5.83	0.15	
Unchahar II TPS (2*210)	420	383	271	274	5.95	248	6.01	-0.06	
Unchahar III TPS (1*210)	210	192	147	141	3.06	128	3.18	-0.12	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	1064	1221	763	18.01	750	18.68	-0.67	
Dadri GPS (4*130.19+2*154.51)	830	782	130	118	3.32	138	3.44	-0.12	
Anta GPS (3*88.71+1*153.2)	419	352	0	0	0.00	0	0.00	0.00	
Auraya GPS (4*111.19+2*109.30)	663	571	0	0	0.00	0	0.00	0.00	
Dadri Solar(5)	5	0	0	0	0.00	0	0.01	-0.01	
Unchahar Solar(10)	10	2	0	0	0.03	1	0.05	-0.02	
Singrauli Solar(15)	15	2	0	0	0.05	2	0.05	0.01	
KHEP(4*200)	800	792	865	198	7.54	314	7.00	0.54	
Sub Total (A)	12612	10026	7725	7627	168	6981	165	2.46	
B. NPC	NAPS (2*220)	440	182	212	213	4.31	180	4.37	-0.06
RAPS- B (2*220)	440	383	427	430	9.22	384	9.10	0.11	
RAPS- C (2*220)	440	414	450	450	9.65	402	9.94	-0.28	
Sub Total (B)	1320	979	1089	1093	23.18	966	23.41	-0.23	
C. NHPC	Chamera I HPS (3*180)	540	534	542	0	4.88	203	4.72	0.17
Chamera II HPS (3*100)	300	300	303	104	4.70	196	4.63	0.08	
Chamera III HPS (3*77)	231	128	229	77	3.15	131	3.07	0.08	
Bairasuli HPS(3*60)	180	133	124	61	1.26	52	0.98	0.28	
Salal-HPS (6*115)	690	422	447	529	10.93	455	10.13	0.80	
Tanakpur-HPS (3*31.4)	94	89	96	93	2.25	94	2.13	0.12	
Uri-I HPS (4*120)	480	183	339	166	4.64	193	4.39	0.26	
Uri-II HPS (4*60)	240	109	110	181	2.68	112	2.62	0.05	
Dhauliganga-HPS (4*70)	280	246	288	216	6.01	251	5.90	0.12	
Dulhasti-HPS (3*130)	390	387	401	400	9.45	394	9.28	0.18	
Sewa-II HPS (3*40)	120	119	120	0	0.96	40	0.93	0.04	
Parbati 3 (4*130)	520	70	516	0	1.56	65	1.54	0.01	
Sub Total (C)	4065	2718	3514	1828	52	2186	50	2.18	
D.SJVNL	NJPC (6*250)	1500	1482	1498	500	21.19	883	21.01	0.18
Rampur HEP (6*68.67)	412	408	423	141	6.07	253	5.84	0.22	
Sub Total (D)	1912	1890	1921	641	27.25	1136	26.85	0.40	
E. THDC	Tehri HPS (4*250)	1000	988	1024	0	7.56	315	7.47	0.09
Koteswar HPS (4*100)	400	96	102	90	2.34	98	2.30	0.04	
Sub Total (E)	1400	1084	1126	90	9.90	412	9.77	0.13	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	916	1102	805	22.07	920	21.98	0.09
Dehar HPS (6*165)	990	430	825	330	10.56	440	10.33	0.23	
Pong HPS (6*66)	396	311	396	198	7.53	314	7.48	0.05	
Sub Total (F)	2765	1658	2323	1333	40.16	1673	39.79	0.37	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	109	49	1.44	60	1.37	0.07
Karcham Wantoo HPS(IPP) (4*250)	1000	0	1000	330	11.57	482	11.59	-0.02	
Malana Stg-II HPS (2*50)	100	0	110	60	1.29	54	1.21	0.08	
Shree Cement TPS (2*150)	300	0	146	145	3.51	146	3.57	-0.07	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.83	-0.83	
Sainji HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.83	-0.83	
Sub Total (G)	1762	0	1365	584	17.80	742	18.56	-0.76	
H. Total Regional Entities (A-G)	25837	18354	19062	13196	338.32	14097	333.77	4.55	

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average S entout MW)	
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	1060	1040	24.78	1032	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	100	2.13	89	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	781	934	19.94	831	
	Goindwal(GVK) (2*270)	540	360	246	8.56	357	
	Rajpura (2*700)	1400	660	660	15.31	638	
	Talwandi Saboo (3*660)	1980	925	616	18.17	757	
	Thermal (Total)	6560	3876	3596	88.89	3704	
	Total Hydro	1000	776	761	18.26	761	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	6	6	0.15	6	
	Solar	859	0	0	0.08	3	
	Renewable(Total)	1162	6	6	0.22	9	
	Total Punjab	8722	4658	4363	107.38	4474	
	Haryana	Panipat TPS (2*210+2*250)	920	199	417	8.04	335
		DCRTPP (Yamuna nagar) (2*300)	600	432	492	10.53	439
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (kheadar) (IPP) (2*600)		1200	0	362	6.74	281	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	734	1168	21.78	908	
Thermal (Total)		4497	1365	2439	47.10	1963	
Total Hydro		62	36	36	0.88	37	
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	1401	2475	47.98	1999	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	886	1140	22.83	951
		suratgarh TPS (6*250)	1500	544	544	13.38	557
	Chabra TPS (4*250)	1000	414	450	10.43	435	
	Chabra TPS (1*660)	660	0	0	0.00	0	
	Dholpur GPS (3*110)	330	86	85	2.11	88	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	177	181	4.45	185	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	216	216	5.19	216	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	804	835	18.86	786	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	806	1048	22.18	924	
	Kawai(Adani) (2*660)	1320	619	617	14.40	600	
	Thermal (Total)	9536	4552	5116	113.83	4743	
	Total Hydro	550	91	89	1.64	68	
	Wind power	4292	362	807	12.03	501	
	Biomass	102	19	19	0.46	19	
	Solar	1995	0	0	3.06	128	
	Renewable/Others (Total)	6389	381	826	15.55	648	
	Total Rajasthan	16475	5024	6031	131.01	5459	
UP	Anpara TPS (3*210+2*500)	1630	810	993	23.58	983	
	Obra TPS (2*50+2*94+5*200)	1194	344	385	8.90	371	
	Paricha TPS (2*110+2*220+2*250)	1160	546	645	14.68	612	
	Panki TPS (2*105)	210	99	108	2.47	103	
	Harduaqani TPS (1*60+1*105+2*250)	665	140	159	3.68	153	
	Tanda TPS (NTPC) (4*110)	440	250	256	6.39	266	
	Roza TPS (IPP) (4*300)	1200	660	755	17.36	723	
	Anpara-C (IPP) (2*600)	1200	716	754	18.26	761	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	305	362	8.40	350	
	Lalitpur TPS(3*660)	1980	757	612	15.19	633	
	Bara(2*660)	1320	733	740	18.19	758	
	Thermal (Total)	12449	5360	5769	137.11	5713	
	Vishnuparvayq_HPS (IPP)(4*110)	440	435	435	10.10	421	
	Alakanada(4*82.5)	330	322	252	6.25	260	
	Other Hydro	527	73	147	3.17	132	
	Cogeneration	981	50	50	1.20	50	
	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	6240	6653	157.82	6576		
Uttarakhand	Other Hydro	1250	835	816	20.17	841	
	Total Gas	450	287	283	6.88	287	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.13	5	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.13	5	
Total Uttarakhand	2107	1122	1099	27.18	1133		
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	45	139	2.14	89	
	Pragati Gas Turbine (2x104+ 1x122)	330	273	260	6.38	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	449	451	10.40	434	
	Badarpur TPS (NTPC) (3*95+2*210)	705	323	320	7.08	295	
	Thermal (Total)	2917	1090	1170	26.00	1083	
	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	1090	1170	26.00	1083		

HP	Baspa HPS (IPP) (3*100)	300	104	166	3.88	162
	Malana HPS (IPP) (2*43)	86	84	35	1.21	50
	Other Hydro (>25MW)	372	324	260	6.26	261
	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	224	205	5.20	217
	Renewable(Total)	486	224	205	5.20	217
	Total HP	1244	736	666	16.56	690
	Total J & K	1398	740	539	16	684
Total State Control Area Generation		52451	21011	22997	530.35	22098
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7680	11850	11850	223.08	9295
Total Regional Availability(Gross)		78288	47754	48042	1091.75	45490

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10967	4529	151.62	6318
State Control Area Hydro	7468	4331	4024	88.24	4186
Total Regional Hydro	19702	15299	8553	239.86	10503

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.08	3
State Control Area Renewable	8844	611	1037	21.10	879
Total Regional Renewable	8874	611	1037	21.18	883

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-500	-500	0	0	0	500	0.00	10.41	-10.41
765 KV Gwalior-Agra (D/C)	1587	2569	2721	0	0	0	44.95	0.00	44.95
400 KV Zerda-Kankroli	-43	9	9	200	0.00	1.55	0.00	1.55	-1.55
400 KV Zerda-Bhinmal	-7	14	108	219	0.00	0.41	0.00	0.41	-0.41
220 KV Auraja-Malanpur	-9	50	0	31	0.18	0.00	0.18	0.00	0.18
220 KV Badod-Kota/Morak	49	58	102	13	1.21	0.00	1.21	0.00	1.21
Mundra-Mohindergarh(HVDC Bipole)	998	2304	2505	0	39.46	0.00	39.46	0.00	39.46
400 KV RAPPCC-Sujalpur	191	204	275	0	5.15	0.00	5.15	0.00	5.15
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	809	1166	1167	0	23.69	0.00	23.69	0.00	23.69
+/- 800 kV HVDC Champa-Kurushetra	2000	2500	2500	0	49.57	0	49.57	0	49.57
Sub Total WR	5075	8374			164.21	12.37	151.83		
400 kV Sasaram - Varanasi	196	186	213	0	4.73	0.00	4.73	0.00	4.73
400 kV Sasaram - Allahabad	46	55	70	0	1.29	0.00	1.29	0.00	1.29
400 kV MZP- GKP (D/C)	220	514	592	0	9.93	0.00	9.93	0.00	9.93
400 kV Patna-Balia(D/C) X 2	724	995	1131	0	21.87	0.00	21.87	0.00	21.87
400 kV B'Sharif-Balia (D/C)	39	172	176	0	2.63	0.00	2.63	0.00	2.63
765 KV Gaya-Balia	146	219	236	0	2.98	0.00	2.98	0.00	2.98
765 KV Gaya-Varanasi (D/C)	13	308	309	116	3.43	0.00	3.43	0.00	3.43
220 KV Pusauli-Sahupuri	239	238	253	0	5.39	0.00	5.39	0.00	5.39
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	-38	0	-39	0.73	0.00	0.73	0.00	0.73
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-312	-116	0	323	0.00	3.44	-3.44	0.00	-3.44
400 KV Barh -GKP (D/C)	188	148	0	212	0.00	3.46	-3.46	0.00	-3.46
400 kV B'Sharif - Varanasi (D/C)	106	-5	194	98	0.00	0.05	-0.05	0.00	-0.05
+/- 800 KV HVDC Alipurduar-Agra	500	300	700	0	12.14	0.00	12.14	0.00	12.14
Sub Total ER	2105	2976			66.06	6.95	59.11		
+/- 800 KV HVDC BiswanathChariali-Agra	500	500	700	0.00	12.14	0.00	12.14	0.00	12.14
Sub Total NER	500	500			12.14	0.00	12.14		
Total IR Exch	7680	11850			242.41	19.32	223.08		

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
33.71	3.57	37.28	16.10	16.54	6.34	16.06	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
59.72	180.63	240.36	71.25	151.83	223.08	11.53	-28.80	-17.28

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-19	0	0	25	0	0	0	0	-0.27

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	0.27	7.66	57.19	84.61	7.71	0.31	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	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.12	19.00	49.81	18.22	49.98	0.030	0.052	50.08	49.87	15.39

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	406	15:28	399	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	7:52	397	18:33	0.0	0.0	0.6	0.0	0.6
Bareilly(PG)400kV	400	420	7:53	379	16:59	0.0	0.0	0.0	0.0	0.0
Kanpur	400	421	7:51	408	0:02	0.0	0.0	0.6	0.0	0.6
Dadri	400	413	23:52	399	0:00	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	418	21:53	400	0:02	0.0	0.0	0.0	0.0	0.0
Bawana	400	413	23:53	398	0:00	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	4:01	403	0:00	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	21:46	399	0:00	0.0	0.0	0.0	0.0	0.0
Moga	400	412	21:54	400	9:40	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	420	23:53	401	10:32	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	419	23:52	404	10:35	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	416	2:58	399	10:36	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	3:00	377	19:10	2.2	44.5	0.0	0.0	2.2
Amritsar	400	415	3:00	400	10:36	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	413	3:02	398	10:37	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	15:21	403	0:02	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 Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	785	7:52	752	18:31	0.0	0.0	0.0	0.0	0.0
Balia	765	795	7:51	760	18:33	0.0	0.0	0.0	0.0	0.0
Moga	765	790	23:54	769	9:39	0.0	0.0	0.0	0.0	0.0
Agra	765	793	15:27	765	0:02	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	15:25	771	0:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Lucknow	765	804	7:50	766	18:22	0.0	0.0	2.0	0.0	2.0
Meerut	765	803	15:24	774	0:48	0.0	0.0	2.5	0.0	2.5
Jhatikara	765	796	16:02	770	0:02	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	806	2:22	774	18:50	0.0	0.0	4.1	0.0	4.1
Anta	765	786	15:24	768	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	15:28	769	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	508.44	1470.42	503.05	1219.07	513.02	672.81
Pong	426.72	384.05	420.82	931.43	417.21	768.49	111.17	431.29
Tehri	829.79	740.04	824.25	1092.08	823.95	1085.73	173.85	164.00
Koteshwar	612.50	598.50	610.78	4.21	610.40	4.77	164.00	154.47
Chamera-I	760.00	748.75	752.47	0.00	0.00	0.00	152.96	132.72
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 Saagar	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	520.05	7.19	519.42	6.62	133.88	283.84

* 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	707	0	0	625	0	0	24.77	0.00	24.77
Delhi	520	-305	0	435	-309	0	9.72	-3.30	6.42
Haryana	550	11	0	571	14	0	10.29	0.18	10.47
HP	-518	35	0	-612	-508	0	-10.57	-4.78	-15.35
J&K	-503	193	0	-503	321	0	-12.07	8.11	-3.95
CHD	0	20	0	0	-40	0	0.00	0.66	0.66
Rajasthan	-8	21	0	-8	-369	0	-0.18	-1.82	-2.00
UP	841	2087	0	848	1305	0	16.68	30.70	47.39
Uttarakhand	-66	4	0	-66	-119	0	-1.58	-0.64	-2.23
Total	1524	2066	0	1292	295	0	37.06	29.12	66.18

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1350	502	4	0	0	0
Delhi	743	162	132	-409	0	0
Haryana	587	292	18	-289	0	0
HP	-185	-651	103	-557	0	0
J&K	-503	-503	485	15	0	0
CHD	0	0	78	-40	0	0
Rajasthan	-8	-8	56	-1233	0	0
UP	939	401	2087	814	0	0
Uttarakhand	-66	-66	95	-135	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	20
Haryana	0	11
Rajasthan	1	14
Delhi	7	96
UP	2	17
Uttarakhand	4	32
HP	1	12
J & K	3	27
Chandigarh	3	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 22.09.2017 :

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 : 22.09.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER