

पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.09.2017
Date of Reporting : 18.09.2017



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
51965	1848	53813	50.00	48954	1586	50540	50.02	1166.43	13.93

* 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	88.35	17.97	0.16	106.48	94.64	94.90	0.26	201.38	0.00
Haryana	52.25	0.83	0.00	53.08	108.14	109.04	0.90	162.12	0.00
Rajasthan	110.62	1.37	12.88	124.88	73.70	74.97	1.26	199.85	0.00
Delhi	27.84		0.00	27.84	73.35	70.27	-3.09	98.10	0.06
UP	179.86	22.59	0.00	202.45	194.08	195.03	0.95	397.48	4.34
Uttarakhand	6.44	20.75	0.44	27.63	9.84	9.12	-0.72	36.76	0.00
HP		10.07	8.13	18.20	7.25	7.79	0.54	25.99	0.00
J & K		13.76	0.00	13.76	21.71	26.47	4.76	40.23	9.54
Chandigarh				0.00	5.16	4.53	-0.63	4.53	0.00
Total	465.37	87.35	21.61	574.33	587.87	592.11	4.23	1166.43	13.93

* 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	9214	0	-18	358	7871	0	-80	527	9214	20	0
Haryana	7823	0	137	435	7087	0	0	398	7832	21	0
Rajasthan	8434	0	376	55	8671	0	-141	35	9052	24	0
Delhi	4297	0	-127	296	4372	0	37	388	4897	24	0
UP	17113	1345	-283	1483	16836	1350	340	2497	17417	21	2590
Uttarakhand	1748	0	28	-110	1597	0	-16	-46	1748	20	0
HP	1099	0	-29	-1207	998	0	-99	-671	1187	11	0
J&K	2014	503	351	-359	1338	236	165	-518	2030	19	507
Chandigarh	222	0	-66	0	184	0	-2	0	222	20	0
Total	51965	1848	369	950	48954	1586	204	2611	51965	20	1848

* STOA figures are at sellers' 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 Sento(MW)	Schedule Net MU	UI [OG:(+ve), UG: (-ve)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1720	1884	1879	40.78	1699	40.64	0.14	
Rihand I STPS (2*500)	1000	918	978	965	21.48	895	21.89	-0.41	
Rihand II STPS (2*500)	1000	943	1016	1027	22.29	929	22.54	-0.25	
Rihand III STPS (2*500)	1000	943	1001	1008	22.05	919	22.31	-0.26	
Dadri I STPS (4*210)	840	378	480	349	8.89	370	8.74	0.14	
Dadri II STPS (2*490)	980	553	520	534	12.62	526	11.97	0.66	
Unchahar I TPS (2*210)	420	382	337	385	7.48	312	8.30	-0.83	
Unchahar II TPS (2*210)	420	382	274	397	6.93	289	7.96	-1.03	
Unchahar III TPS (1*210)	210	191	123	193	3.25	135	3.69	-0.44	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajhar) (3*500)	1500	808	727	712	17.04	710	17.85	-0.81	
Dadri GPS (4*130.19+2*154.51)	830	758	166	134	3.06	127	3.10	-0.05	
Anta GPS (3*88.71+1*153.2)	419	246	0	282	3.06	127	3.24	-0.18	
Auraiya GPS (4*111.19+2*109.30)	663	168	0	210	2.06	86	2.16	-0.10	
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	-0.01	
Singrauli Solar(15)	15	2	0	0	0.06	2	0.06	0.00	
KHEP(4*200)	800	792	793	193	8.53	355	8.25	0.28	
Sub Total (A)	12612	9187	8299	8268	180	7484	183	-3.15	
B. NPC									
NAPS (2*220)	440	184	210	211	4.43	185	4.42	0.01	
RAPS- B (2*220)	440	385	429	432	9.26	386	9.15	0.11	
RAPS- C (2*220)	440	420	450	450	9.76	407	10.08	-0.32	
Sub Total (B)	1320	989	1089	1093	23.45	977	23.64	-0.19	
C. NHPC									
Chamera I HPS (3*180)	540	534	543	0	4.89	204	4.78	0.11	
Chamera II HPS (3*100)	300	255	303	102	3.92	163	3.88	0.05	
Chamera III HPS (3*77)	231	114	229	77	2.77	115	2.74	0.03	
Bairasuli HPS(3*60)	180	178	124	46	1.34	56	1.17	0.17	
Salal-HPS (6*115)	690	366	650	412	9.22	384	8.79	0.43	
Tanakpur-HPS (3*31.4)	94	92	94	95	2.29	95	2.20	0.08	
Uri-I HPS (4*120)	480	223	410	210	5.70	237	5.36	0.34	
Uri-II HPS (4*60)	240	132	119	131	3.27	136	3.17	0.11	
Dhauliganga-HPS (4*70)	280	164	287	147	4.02	168	3.94	0.09	
Dulhasti-HPS (3*130)	390	367	391	401	8.41	350	8.78	-0.37	
Sewa-II HPS (3*40)	120	119	123	0	0.52	22	0.50	0.02	
Parbati 3 (4*130)	520	182	520	0	1.60	67	1.54	0.06	
Sub Total (C)	4065	2727	3793	1622	48	1998	47	1.11	
D.SJVNL									
NJPC (6*250)	1500	1482	1505	736	22.67	945	22.58	0.09	
Rampur HEP (6*68.67)	412	408	423	214	6.48	270	6.28	0.20	
Sub Total (D)	1912	1890	1928	950	29.15	1214	28.86	0.29	
E. THDC									
Tehri HPS (4*250)	1000	988	992	0	9.61	400	9.60	0.01	
Koteshwar HPS (4*100)	400	134	391	92	3.20	133	3.21	-0.02	
Sub Total (E)	1400	1122	1383	92	12.80	533	12.81	-0.01	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	1063	1338	933	25.51	1063	25.51	0.00	
Dehar HPS (6*165)	990	441	825	430	10.76	448	10.59	0.17	
Pong HPS (6*66)	396	254	396	132	6.12	255	6.09	0.03	
Sub Total (F)	2765	1758	2559	1495	42.39	1766	42.20	0.19	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	99	48	1.44	60	1.30	0.14	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1000	380	12.09	504	12.09	-0.01	
Malana Stg-II HPS (2*50)	100	0	109	40	1.04	43	0.98	0.06	
Shree Cement TPS (2*150)	300	0	147	147	3.53	147	3.83	-0.31	
Budhi HPS(IPP) (2*35)	70	0	35	35	0.83	35	0.98	-0.15	
Sub Total (G)	1662	0	1390	650	18.92	788	19.19	-0.27	
H. Total Regional Entities (A-G)	25737	17673	20441	14170	354.28	14762	356.31	-2.03	

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	840	660	14.93	622
Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	208	196	4.32	180
Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	930	812	18.47	770
Goindwal(GVK) (2*270)	540	360	246	7.07	295
Rajpura (2*700)	1400	660	660	15.65	652
Tahwandi Saboo (3*660)	1980	1200	1200	27.91	1163

	Thermal (Total)	6560	4198	3774	88.35	3681	
	Total Hydro	1000	758	730	17.97	749	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	0.10	4	
	Solar	859	0	0	0.06	2	
	Renewable(Total)	1162	0	0	0.16	7	
	Total Punjab	8722	4956	4504	106.48	4437	
Haryana	Panipat TPS (2*210+2*250)	920	396	395	9.62	401	
	DCRTPP (Yamuna nagar) (2*300)	600	446	440	10.52	438	
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	299	1.42	59	
	RGTPP (khedar) (IPP) (2*600)	1200	372	749	14.34	598	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar (CLP) (2*660)	1320	1042	605	16.35	681	
	Thermal (Total)	4497	2256	2488	52.25	2177	
	Total Hydro	62	35	29	0.83	35	
	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	2291	2517	53.08	2212	
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	742	898	18.57	774	
	suratgarh TPS (6*250)	1500	668	543	13.87	578	
	Chabra TPS (4*250)	1000	388	461	9.73	405	
	Chabra TPS (1*660)	660	0	0	0.00	0	
	Dholpur GPS (3*110)	330	87	86	2.14	89	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	179	183	4.54	189	
	RAPS A (NPC) (1*100+1*200)	300	172	164	4.21	175	
	Barsingar (NLC) (2*125)	250	225	225	5.24	218	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwst LTPS (IPP) (8*135)	1080	473	833	15.65	652	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	901	1093	22.81	951	
	Kawai(Adani) (2*660)	1320	451	614	13.87	578	
	Thermal (Total)	9536	4286	5100	110.62	4609	
	Total Hydro	550	91	46	1.37	57	
	Wind power	4292	57	198	3.28	137	
	Biomass	102	20	20	0.48	20	
	Solar	1995	0	0	9.12	380	
	Renewable/Others (Total)	6389	77	218	12.88	537	
	Total Rajasthan	16475	4454	5364	124.88	5203	
	UP	Anpara TPS (3*210+2*500)	1630	1191	1191	29.39	1225
		Obra TPS (2*50+2*94+5*200)	1194	377	397	9.65	402
		Paricha TPS (2*110+2*220+2*250)	1160	624	646	14.70	612
Panki TPS (2*105)		210	117	117	2.75	115	
Harduaganj TPS (1*60+1*105+2*250)		665	448	441	10.67	445	
Tanda TPS (NTPC) (4*110)		440	393	382	9.05	377	
Roza TPS (IPP) (4*300)		1200	742	755	18.00	750	
Anpara-C (IPP) (2*600)		1200	1084	1084	24.31	1013	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(2*500)		1000	435	439	10.73	447	
Lalitpur TPS(3*660)		1980	1221	1262	25.14	1048	
Bara(2*660)		1320	1010	1010	24.27	1011	
Thermal (Total)		12449	7642	7724	178.66	7444	
Vishnuparyag HPS (IPP)(4*110)		440	425	415	9.97	415	
Alaknanada(4*82.5)		330	242	240	5.79	241	
Other Hydro		527	300	300	6.83	284	
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	8659	8729	202.45	8435	
Uttarakhand		Other Hydro	1250	881	831	20.75	865
	Total Gas	450	271	262	6.44	268	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.44	18	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.44	18	
	Total Uttarakhand	2107	1152	1093	27.63	1151	
Delhi	Raighat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	123	152	3.55	148	
	Pragati Gas Turbine (2x104+ 1x122)	330	260	263	6.38	266	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	450	450	10.82	451	
	Badarpur TPS (NTPC) (3*95+2*210)	705	320	327	7.08	295	
	Thermal (Total)	2917	1153	1192	27.84	1160	
	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	1153	1192	27.84	1160		
HP	Baspa HPS (IPP) (3*100)	300	221	151	0.00	0	
	Malana HPS (IPP) (2*43)	86	88	34	0.97	40	
	Other Hydro (>25MW)	372	247	222	9.10	379	
	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	272	647	8.13	339	
	Renewable(Total)	486	272	647	8.13	339	
Total HP	1244	828	1054	18.20	758		
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	442	442	10.89	454	
	Other Hydro/IPP(including 98 MW Small Hydro)	308	151	98	2.88	120	
	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	593	540	14	574		
Total State Control Area Generation		52451	24086	24992	574.33	23930	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			9566	11913	255.57	10649	
Total Regional Availability(Gross)		78188	54093	51076	1184.18	49341	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11664	4820	156.21	6474
State Control Area Hydro	7468	4424	4447	87.35	4265
Total Regional Hydro	19702	16087	9266	243.56	10739

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	8844	349	865	21.61	900
Total Regional Renewable	8874	349	865	21.73	905

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	-50	0	500	0.00	7.42	-7.42
765 KV Gwalior-Agra (D/C)	2028	2820	2880	0	56.68	0.00	56.68
400 KV Zerda-Kankroli	64	-12	107	135	0.00	0.85	-0.85
400 KV Zerda-Bhinmal	157	67	194	63	1.20	0.00	1.20
220 KV Auraiya-Malanpur	-44	-76	0	88	0.00	1.12	-1.12
220 KV Badod-Kota/Morak	48	21	59	22	0.71	0.00	0.71
Mundra-Mohindergarh(HVDC Bipole)	1803	1999	2506	0	48.97	0.00	48.97
400 KV RAPP- Sujalpur	344	279	434	0	6.32	0.00	6.32
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1054	1120	628	0	24.90	0.00	24.90
+/- 800 kV HVDC Champa-Kurushetra	2000	2500	3000	0	55.57	0	55.57
Sub Total WR	7054	8668			194.34	9.38	184.95
400 kV Sasaram - Varanasi	-65	178	276	73	1.76	0.00	1.76
400 kV Sasaram - Allahabad	-146	14	110	146	0.00	0.73	-0.73
400 KV MZP- GKP (D/C)	500	507	988	0	15.34	0.00	15.34
400 KV Patna-Balia(D/C) X 2	0	722	722	0	10.60	0.00	10.60
400 KV B Sharif-Balia (D/C)	0	164	164	0	3.16	0.00	3.16
765 KV Gaya-Balia	260	343	547	0	7.88	0.00	7.88
765 KV Gaya-Varanasi (D/C)	197	254	669	0	7.25	0.00	7.25
220 KV Pusauli-Sahupuri	223	228	253	0	5.31	0.00	5.31
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-19	-38	0	40	0.00	0.64	-0.64
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	27	-180	100	251	0.00	1.41	-1.41
400 KV Barh -GKP (D/C)	224	208	0	224	0.00	4.35	-4.35
400 kV B Sharif - Varanasi (D/C)	11	45	106	266	0.00	1.35	-1.35
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1212	2445			51.30	8.46	42.84
+/- 800 KV HVDC BiswanathChariali-Agra	1300	800	1600	0.00	27.78	0.00	27.78
Sub Total NER	1300	800			27.78	0.00	27.78
Total IR Exch	9566	11913			273.42	17.84	255.57

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
43.05	2.84	45.90	12.82	9.39	0.87	18.91	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
59.58	193.71	253.29	70.62	184.95	255.57	11.04	-8.75	2.29

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	-7	0	0	-28	0	0	0.28

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	0.89	30.00	72.95	23.16	2.66	0.45	0.00

Frequency (Hz)				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
Freq	Time	Freq	Time	Hz	Index				
50.32	6.04	49.81	18.13	50.02	0.029	0.049	50.19	49.94	27.05

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	402	16:04	396	11:46	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	6:04	387	14:58	0.0	4.4	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	6:04	380	12:18	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	6:04	401	11:56	0.0	0.0	0.0	0.0	0.0
Dadri	400	410	5:19	398	12:18	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	416	6:03	403	14:42	0.0	0.0	0.0	0.0	0.0
Bawana	400	410	5:30	396	19:14	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	16:02	402	23:52	0.0	0.0	7.4	0.0	7.4
Hissar	400	413	16:03	396	19:15	0.0	0.0	0.0	0.0	0.0
Moga	400	412	3:23	397	19:16	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	414	16:03	398	13:37	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	417	4:00	402	19:05	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	418	3:59	397	20:12	0.0	0.0	0.0	0.0	0.0
Wagoora	400	413	3:53	378	19:21	1.6	29.3	0.0	0.0	1.6
Amritsar	400	414	3:02	403	11:24	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	398	0:00	398	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	418	6:02	399	20:30	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	779	16:04	749	12:09	0.0	0.0	0.0	0.0	0.0
Balia	765	817	10:47	753	12:11	0.0	0.0	1.4	0.0	1.4
Moga	765	791	6:03	763	19:16	0.0	0.0	0.0	0.0	0.0
Agra	765	795	16:04	765	23:53	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	799	16:03	774	19:16	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
Lucknow	765	799	6:04	761	11:56	0.0	0.0	0.0	0.0
Meerut	765	805	6:04	769	20:35	0.0	0.0	2.4	2.4
Jhatikara	765	797	6:04	771	14:34	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	804	6:03	769	11:56	0.0	0.0	0.6	0.6
Anta	765	795	16:05	747	12:20	0.0	0.0	0.0	0.0
Phagi	765	799	16:01	764	12:21	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	509.01	1500.16	503.09	1232.31	487.70	774.27
Pong	426.72	384.05	421.29	946.20	417.63	781.19	136.94	347.53
Tehri	829.79	740.04	824.05	1087.00	824.30	1093.14	178.22	209.00
Koteshwar	612.50	598.50	610.02	4.56	610.08	4.69	209.00	210.63
Chamera-I	760.00	748.75	751.86	0.00	0.00	0.00	138.10	132.83
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	520.98	7.17	520.38	7.11	151.39	281.13

* 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	779	-252	0	458	-101	0	18.22	-3.08	15.15
Delhi	540	-153	0	363	-67	0	10.35	-2.40	7.95
Haryana	391	7	0	425	9	0	7.98	-0.43	7.55
HP	-560	-110	0	-337	-870	0	-10.15	-7.58	-17.73
J&K	-502	-15	0	-502	143	0	-12.05	4.20	-7.86
CHD	0	0	0	0	0	0	0.00	0.13	0.13
Rajasthan	-8	43	0	-8	62	0	-0.18	3.28	3.10
UP	896	1601	0	665	818	0	14.99	32.70	47.69
Uttarakhand	-49	4	0	-64	-46	0	-1.42	-0.53	-1.95
Total	1486	1124	0	1001	-51	0	27.73	26.29	54.02

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	939	458	0	-404	0	0
Delhi	737	253	189	-388	0	0
Haryana	430	293	16	-397	0	0
HP	-332	-599	-35	-881	0	0
J&K	-502	-502	441	-187	0	0
CHD	0	0	39	-15	0	0
Rajasthan	-8	-8	790	0	0	0
UP	994	121	1896	782	0	0
Uttarakhand	-49	-64	63	-168	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	2.08%
ER	0.00%
Simultaneous	1.04%

(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	15
Haryana	0	7
Rajasthan	0	9
Delhi	7	96
UP	0	9
Uttarakhand	4	40
HP	2	14
J & K	4	28
Chandigarh	3	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 17.09.2017 :

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 : 17.09.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER