

पाँवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.09.2017
Date of Reporting : 25.09.2017



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
46461	509	46970	50.00	39446	243	39688	50.06	971.76	9.51

*Half hourly (over 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	54.20	14.92	0.00	0.07	0.00	0.14	69.33	97.00	96.95	-0.05	166.28	0.00
Haryana	19.67	0.68	0.00	0.00	0.00	0.00	20.35	96.77	98.33	1.56	118.68	0.00
Rajasthan	83.42	1.56	6.56	2.52	19.68	0.48	114.22	84.67	86.43	1.75	200.64	0.00
Delhi	4.77	0.00	11.41	0.00	0.00	0.00	16.18	64.01	61.11	-2.90	77.28	0.01
UP	146.34	22.30	0.00	0.00	0.00	1.20	169.84	142.10	141.79	-0.31	311.63	0.00
Uttarakhand	0.00	20.02	3.22	0.24	0.00	0.00	23.48	11.21	8.87	-2.33	32.36	0.00
HP	0.00	17.18	0.00	0.00	0.00	3.38	20.55	6.42	0.54	-5.88	21.09	0.00
J & K	0.00	18.20	0.00	0.00	0.00	0.00	18.20	22.24	21.90	-0.34	40.10	9.50
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.04	3.70	-2.34	3.70	0.00
Total	308.40	94.86	21.20	2.82	19.68	5.19	452.15	530.45	519.61	-10.84	971.76	9.51

* 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	7063	0	-64	243	6404	0	26	1002	7599	21	0
Haryana	6286	0	144	564	4859	0	86	677	6304	21	0
Rajasthan	8655	0	149	149	8873	0	47	225	9372	1	0
Delhi	3872	0	42	74	2861	7	-54	71	3872	20	0
UP	15724	0	-3	1304	12836	0	-244	751	15724	20	0
Uttarakhand	1531	0	9	-262	1347	0	-160	-39	1575	19	0
HP	1104	0	67	-1456	798	0	-317	-810	1149	13	0
J&K	2035	509	138	-241	1336	236	-64	-404	2035	20	509
Chandigarh	191	0	-94	0	131	0	-127	0	191	20	0
Total	46461	509	388	375	39446	243	-806	1473	46461	20	509

* 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	985	755	17.72	738	17.66	0.06	
Rihand II STPS (2*500)	1000	943	1008	745	18.82	784	18.74	0.08	
Rihand III STPS (2*500)	1000	943	990	755	18.20	758	17.67	0.53	
Dadri I STPS (4*210)	840	720	439	343	7.96	332	7.95	0.02	
Dadri II STPS (2*490)	980	777	797	513	12.85	535	13.12	-0.28	
Unchahar I TPS (2*210)	420	383	355	242	5.64	235	5.66	-0.03	
Unchahar II TPS (2*210)	420	383	325	236	5.31	221	5.54	-0.22	
Unchahar III TPS (1*210)	210	192	166	117	2.68	112	2.77	-0.10	
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00	
ISTPP (Jhajjar) (3*500)	1500	1421	1279	856	20.44	852	20.27	0.17	
Dadri GPS (4*130.19+2*154.51)	830	789	118	114	2.82	117	2.91	-0.09	
Anta GPS (3*88.71+1*153.2)	419	372	0	0	0.00	0	0.00	0.00	
Auraya GPS (4*111.19+2*109.30)	663	610	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	0.07	3	0.07	0.00	
KHEP(4*200)	800	792	868	651	14.34	597	13.46	0.88	
Sub Total (A)	12612	10938	9138	6546	158	6602	157	1.80	
B. NPC	NAPS- (2*220)	440	380	419	414	9.28	387	9.12	0.16
RAPS- B (2*220)	440	383	426	433	9.25	385	9.10	0.15	
RAPS- C (2*220)	440	415	450	450	9.68	403	9.96	-0.28	
Sub Total (B)	1320	1178	1295	1297	28.21	1176	28.18	0.03	
C. NHPC	Chamera I HPS (3*180)	540	534	544	361	9.96	415	9.79	0.17
Chamera II HPS (3*100)	300	300	303	305	7.15	298	7.20	-0.05	
Chamera III HPS (3*77)	231	229	234	236	5.53	230	5.50	0.03	
Bairasuli HPS(3*60)	180	131	124	61	1.38	58	1.30	0.08	
Salal-HPS (6*115)	690	479	592	440	11.96	498	11.37	0.59	
Tanakpur-HPS (3*31.4)	94	88	96	95	2.25	94	2.11	0.14	
Uri-I HPS (4*120)	480	169	309	142	4.38	183	4.06	0.33	
Uri-II HPS (4*60)	240	95	40	80	2.35	98	2.27	0.07	
Dhauliganga-HPS (4*70)	280	18	0	143	0.29	12	0.42	-0.13	
Dulhasti-HPS (3*130)	390	387	403	399	9.48	395	9.28	0.21	
Sewa-II HPS (3*40)	120	119	123	0	0.66	27	0.64	0.02	
Parbati 3 (4*130)	520	296	529	257	6.87	286	6.72	0.14	
Sub Total (C)	4065	2844	3297	2518	62	2594	61	1.60	
D. SJVNL	NJPC (6*250)	1500	1497	782	1587	33.16	1382	31.83	1.33
Rampur HEP (6*68.67)	412	413	427	291	9.39	391	8.84	0.55	
Sub Total (D)	1912	1911	1209	1878	42.56	1773	40.68	1.88	
E. THDC	Tehri HPS (4*250)	1000	1060	1045	1048	24.98	1041	25.29	-0.31
Koteswar HPS (4*100)	400	377	398	397	9.05	377	9.05	0.00	
Sub Total (E)	1400	1437	1443	1445	34.03	1418	34.35	-0.32	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	731	1220	499	17.78	741	17.55	0.23
Dehar HPS (6*165)	990	572	825	570	13.89	579	13.72	0.17	
Pong HPS (6*66)	396	257	396	132	6.23	259	6.18	0.05	
Sub Total (F)	2765	1560	2441	1201	37.89	1579	37.44	0.45	
G. IPP(s)/JV(s)	Allain Duhangan HPS(IPP) (2*96)	192	0	231	231	5.47	228	3.26	2.22
Karcham Wantoo HPS(IPP) (4*250)	1000	0	1000	300	15.56	648	15.12	0.44	
Malana Stg-II HPS (2*50)	100	0	113	113	2.58	107	2.50	0.08	
Shree Cement TPS (2*150)	300	0	133	146	3.24	135	3.35	-0.11	
Budhil HPS(IPP) (2*35)	70	0	46	46	1.10	46	0.83	0.27	
Sainji HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.00	0.00	
Sub Total (G)	1762	0	1522	836	27.94	1164	25.06	2.89	
H. Total Regional Entities (A-G)	25837	19868	20346	15721	391.35	16306	383.01	8.33	

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	0	350	4.47	186	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	70	90	1.56	65	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	187	363	5.58	233	
	Goindwal(GVK) (2*270)	540	360	360	8.57	357	
	Rajpura (2*700)	1400	530	330	9.55	398	
	Talwandi Saboo (3*660)	1980	1074	816	24.47	1020	
	Thermal (Total)	6560	2221	2309	54.20	2258	
	Total Hydro	1000	692	541	14.92	622	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	0.14	6	
	Solar	859	0	0	0.07	3	
	Renewable(Total)	1162	0	0	0.20	9	
	Total Punjab	8722	2913	2850	69.33	2889	
	Haryana	Paripat TPS (2*210+2*250)	920	0	0	0.00	0
		DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	0	0	0.00	0	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1165	735	19.67	820	
Thermal (Total)		4497	1165	735	19.67	820	
Total Hydro		62	36	34	0.68	28	
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	1201	769	20.35	848	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	839	885	20.21	842
		suratgarh TPS (6*250)	1500	535	537	13.25	552
	Chabra TPS (4*250)	1000	422	419	9.56	398	
	Chabra TPS (1*660)	660	0	0	0.00	0	
	Dholpur GPS (3*110)	330	86	86	2.13	89	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	180	154	4.43	185	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	221	221	5.19	216	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	665	835	14.14	589	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	909	912	21.05	877	
	Kawai(Adani) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	9536	3857	4049	89.98	3749	
	Total Hydro	550	89	45	1.56	65	
	Wind power	4292	475	1043	19.68	820	
	Biomass	102	20	20	0.48	20	
	Solar	1995	0	0	2.52	105	
	Renewable/Others (Total)	6389	495	1063	22.68	945	
Total Rajasthan	16475	4441	5157	114.22	4759		
UP	Anpara TPS (3*210+2*500)	1630	1217	947	24.90	1038	
	Obra TPS (2*50+2*94+5*200)	1194	422	396	9.40	392	
	Paricha TPS (2*110+2*220+2*250)	1160	788	654	16.10	671	
	Panki TPS (2*105)	210	72	113	1.60	67	
	Harduaqanj TPS (1*60+1*105+2*250)	665	439	317	8.00	333	
	Tanda TPS (NTPC) (4*110)	440	388	274	7.04	293	
	Roza TPS (IPP) (4*300)	1200	755	751	18.10	754	
	Anpara-C (IPP) (2*600)	1200	556	754	14.50	604	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	454	314	8.60	358	
	Lalitpur TPS(3*660)	1980	733	756	17.90	746	
	Bara(2*660)	1320	1104	739	20.20	842	
	Thermal (Total)	12449	6928	6015	146.34	6098	
	Vishnuparvayq_HPS (IPP)(4*110)	440	435	435	10.40	433	
	Alaknanda(4*82.5)	330	342	343	8.20	342	
	Other Hydro	527	201	112	3.70	154	
	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	7956	6955	169.84	7077		
Uttarakhand	Other Hydro	1250	847	909	20.02	834	
	Total Gas	450	135	135	3.22	134	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.24	10	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.24	10	
Total Uttarakhand	2107	982	1044	23.48	979		
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	74	74	1.70	71	
	Pragati Gas Turbine (2x104+ 1x122)	330	147	153	3.69	154	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	250	6.03	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	316	4.77	199	
	Thermal (Total)	2917	632	793	16.18	674	
	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	632	793	16.18	674		

HP	Baspa HPS (IPP) (3*100)	300	331	331	7.50	313
	Malana HPS (IPP) (2*43)	86	82	97	2.16	90
	Other Hydro (>25MW)	372	354	330	7.52	313
	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	125	153	3.38	141
	Renewable(Total)	486	125	153	3.38	141
	Total HP	1244	892	911	20.55	856
	Total J & K	1398	730	670	18	758
Total State Control Area Generation		52451	19747	19149	452.15	18839
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7052	6590.21	145.24	6052	41197
Total Regional Availability(Gross)		78288	47144	41460	988.73	41197

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10602	8337	215.77	8945
State Control Area Hydro	7468	4399	4135	94.86	4237
Total Regional Hydro	19702	15001	12472	310.63	13182

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	8844	620	1216	26.50	1104
Total Regional Renewable	8874	620	1216	26.63	1110

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	11.95	-11.95
765 KV Gwalior-Agra (D/C)	2038	1795	2316	0	41.75	0	0.00	41.75	0.00
400 KV Zerda-Kankroli	71	-1	100	144	0.00	0.49	0.00	-0.49	0.00
400 KV Zerda-Bhinmal	144	-38	144	79	0.56	0.00	0.00	0.56	0.00
220 KV Auraja-Malanpur	-15	-7	0	171	0.00	0.28	0.00	-0.28	0.00
220 KV Badod-Kota/Morak	82	80	87	7	1.82	0.00	0.00	1.82	0.00
Mundra-Mohindergarh(HVDC Bipole)	497	501	503	0	12.18	0.00	0.00	12.18	0.00
400 KV RAPPCC-Sujalpur	280	180	370	0	5.58	0.00	0.00	5.58	0.00
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1245	1208	639	0	27.12	0.00	0.00	27.12	0.00
+/- 800 kV HVDC Champa-Kurushetra	300	500	500	0	7.42	0	0.00	7.42	0.00
Sub Total WR	4142	3718			96.43	12.72		83.70	
400 kV Sasaram - Varanasi	211	185	211	0	4.54	0.00	0.00	4.54	0.00
400 kV Sasaram - Allahabad	30	56	71	0	1.27	0.00	0.00	1.27	0.00
400 kV MZP- GKP (D/C)	292	346	490	0	8.44	0.00	0.00	8.44	0.00
400 kV Patna-Balia(D/C) X 2	551	611	734	0	14.65	0.00	0.00	14.65	0.00
400 kV B'Sharif-Balia (D/C)	96	111	177	0	3.32	0.00	0.00	3.32	0.00
765 KV Gaya-Balia	271	199	317	0	5.31	0.00	0.00	5.31	0.00
765 KV Gaya-Varanasi (D/C)	151	121	292	0	3.57	0.00	0.00	3.57	0.00
220 KV Pusauli-Sahupuri	238	248	250	0	5.49	0.00	0.00	5.49	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-23	-24	0	34	0.00	0.41	0.00	-0.41	0.00
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-246	-222	0	297	0.00	5.12	0.00	-5.12	0.00
400 KV Barh -GKP (D/C)	210	194	0	210	0.00	4.16	0.00	-4.16	0.00
400 kV B'Sharif - Varanasi (D/C)	129	47	141	11	1.38	0.00	0.00	1.38	0.00
+/- 800 KV HVDC Alipurduar-Agra	300	300	300	0	11.62	0.00	0.00	11.62	0.00
Sub Total ER	2210	2172			59.58	9.69		49.89	
+/- 800 KV HVDC BiswanathChariali-Agra	700	700	700	0.00	11.65	0.00	0.00	11.65	0.00
Sub Total NER	700	700			11.65	0.00		11.65	
Total IR Exch	7052	6590			167.65	22.42		145.24	

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
27.18	3.28	30.46	11.44	19.55	-16.08	0.13	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
25.82	151.51	177.33	61.54	83.70	145.24	35.71	-67.81	-32.09

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	-22	-7	0	24	0	0	0	0	-0.43

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	0.06	34.01	81.08	17.33	2.25	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)	
50.15	18.01	49.89	20.10	50.02	0.020	0.042	50.08	49.94	18.92

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	405	3:29	399	18:38	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	8:03	389	18:42	0.0	1.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	6:01	395	19:05	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	3:08	398	19:01	0.0	0.0	0.0	0.0	0.0
Dadri	400	418	4:03	402	18:19	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	423	3:29	402	19:01	0.0	0.0	14.0	0.0	14.0
Bawana	400	418	3:29	400	19:05	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	4:01	400	19:05	0.0	0.0	0.5	0.0	0.5
Hissar	400	417	3:59	396	18:59	0.0	0.0	0.0	0.0	0.0
Moga	400	416	3:47	399	18:55	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	425	2:56	406	18:51	0.0	0.0	30.9	0.0	30.9
Nalagarh	400	423	3:50	409	19:05	0.0	0.0	11.2	0.0	11.2
Kishenpur	400	418	3:09	400	18:50	0.0	0.0	0.0	0.0	0.0
Wagoora	400	413	3:48	378	18:50	6.0	58.2	0.0	0.0	6.0
Amritsar	400	420	2:58	407	20:10	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	3:48	404	18:51	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	3:41	398	18:46	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	773	1:51	728	18:48	0.0	5.6	0.0	0.0	0.0
Balia	765	778	8:03	742	19:05	0.0	0.0	0.0	0.0	0.0
Moga	765	790	3:59	758	19:06	0.0	0.0	0.0	0.0	0.0
Agra	765	791	3:42	755	19:00	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	4:01	769	19:05	0.0	0.0	0.5	0.0	0.5
Unnao	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Lucknow	765	784	6:46	747	19:06	0.0	0.0	0.0	0.0	0.0
Meerut	765	790	23:50	782	22:10	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	799	3:29	766	19:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	791	8:03	753	19:05	0.0	0.0	0.0	0.0	0.0
Anta	765	797	4:02	771	18:50	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	3:58	768	18:48	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	508.61	1485.27	503.08	1232.31	788.88	518.88
Pong	426.72	384.05	420.93	931.43	417.06	755.83	661.85	358.58
Tehri	829.79	740.04	824.50	1097.37	824.65	1100.54	442.28	543.00
Koteshwar	612.50	598.50	610.08	4.50	610.17	4.69	543.00	597.64
Chamera-I	760.00	748.75	754.67	0.00	0.00	0.00	301.01	270.23
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	520.02	5.28	519.14	5.66	207.98	270.82

* 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	1002	0	0	411	-168	0	23.19	-0.97	22.22
Delhi	253	-182	0	367	-294	0	6.40	-3.58	2.82
Haryana	550	127	0	550	14	0	9.08	2.13	11.21
HP	-623	-187	0	-556	-899	0	-13.37	-9.18	-22.55
J&K	-503	99	0	-503	262	0	-12.07	6.17	-5.90
CHD	0	0	0	0	0	0	0.00	-0.10	-0.10
Rajasthan	111	114	0	111	38	0	2.66	1.43	4.09
UP	825	-74	0	1374	-70	0	20.16	-1.64	18.52
Uttarakhand	-48	9	0	-200	-62	0	-1.84	-0.77	-2.61
Total	1567	-94	0	1554	-1179	0	34.21	-6.50	27.71

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1259	411	47	-370	0	0
Delhi	726	-10	23	-378	0	0
Haryana	550	292	128	14	0	0
HP	-395	-884	-115	-938	0	0
J&K	-503	-503	485	-5	0	0
CHD	0	0	0	-55	0	0
Rajasthan	111	111	117	-200	0	0
UP	1423	396	0	-74	0	0
Uttarakhand	-48	-200	142	-193	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	2	14
Haryana	2	15
Rajasthan	1	14
Delhi	5	29
UP	0	10
Uttarakhand	7	74
HP	7	52
J & K	3	33
Chandigarh	7	96

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 24.09.2017 :****XVI. Synchronisation of new generating units :****XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

1. 400kV Bus-1 at Suratgarh Super Critical thermal power station first time charged at 1321Hrs of 24.09.17
2. 400kV Mainputi(765kV, UP) - Panchha(UP) first time charged at 1341Hrs of 24.09.17
3. 3*275MVA GT#7 at Suratgarh Super Critical thermal power station first time charged at 1930Hrs of 24.09.17

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 : 24.09.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER