

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 25.09.2017

Date of Reporting : 26.09.2017



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
49107	1215	50321	50.02	39832	223	40055	50.00	1036.13	10.45

* 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	Gas/Naptha/Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	60.79	18.44	0.00	0.08	0.00	0.12	79.42	98.14	97.82	-0.32	177.23	0.00
Haryana	24.54	0.82	0.00	0.00	0.00	0.00	25.36	102.79	105.94	3.14	131.30	0.10
Rajasthan	91.56	1.64	5.20	0.00	17.40	0.48	116.27	82.27	85.32	3.05	201.59	0.46
Delhi	3.64	0.00	9.60	0.00	0.00	0.00	13.24	77.13	76.70	-0.43	89.94	0.00
UP	156.69	23.60	0.00	0.00	0.00	1.20	181.49	149.21	149.09	-0.11	330.59	0.00
Uttarakhand	0.00	18.63	2.55	0.69	0.00	0.00	21.86	13.60	13.46	-0.14	35.32	0.00
HP	0.00	17.21	0.00	0.00	0.00	6.98	24.19	2.06	-0.11	-2.18	24.08	0.01
J & K	0.00	17.94	0.00	0.00	0.00	0.00	17.94	21.43	23.61	2.18	41.55	9.88
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.36	4.52	-0.84	4.52	0.00
Total	337.22	98.27	17.35	0.77	17.40	8.78	479.78	551.99	556.34	4.35	1036.13	10.45

* Shortage furnished by the respective constituent. \$ Others include UP Co-generation and JK Diesal

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	7985	0	38	259	6453	0	-7	1001	8196	18	0
Haryana	6659	621	149	478	4843	0	103	665	6927	22	60
Rajasthan	8790	72	350	-47	8691	0	-99	41	9355	24	115
Delhi	4447	0	84	108	3066	0	-13	-225	4447	20	0
UP	15933	0	128	1024	13427	0	-280	850	16052	22	0
Uttarakhand	1743	0	-77	-41	1110	0	-82	-211	1786	19	0
HP	1237	0	-8	-1440	847	0	-195	-1213	1315	8	0
J&K	2089	522	328	-310	1262	223	-72	-473	2089	20	522
Chandigarh	225	0	-26	-50	133	0	-46	-13	236	19	0
Total	49107	1215	965	-18	39832	223	-692	421	49107	20	1215

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

Diversity is 1.03

UI [OG:(+ve), UG: (-ve)]

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
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1740	1895	1568	40.93	1706	40.47	0.46
Rihand I STPS (2*500)	1000	923	987	817	20.98	874	20.89	0.09
Rihand II STPS (2*500)	1000	943	1002	894	21.82	909	21.48	0.34
Rihand III STPS (2*500)	1000	943	995	779	21.14	881	21.05	0.09
Dadri I STPS (4*210)	840	769	784	339	12.09	504	12.91	-0.82
Dadri II STPS (2*490)	980	470	449	348	8.52	355	9.03	-0.50
Unchahar I TPS (2*210)	420	383	395	244	6.17	257	6.14	0.03
Unchahar II TPS (2*210)	420	383	372	230	5.77	241	6.26	-0.49
Unchahar III TPS (1*210)	210	192	197	117	2.93	122	3.07	-0.13
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
ISTPP (Jhajhar) (3*500)	1500	1200	1173	843	21.42	893	22.11	-0.69
Dadri GPS (4*130.19+2*154.51)	830	793	287	130	4.49	187	4.28	0.21
Anta GPS (3*88.71+1*153.2)	419	368	363	0	3.22	134	2.84	0.37
Auraiya GPS (4*111.19+2*109.30)	663	586	278	0	2.78	116	2.47	0.31
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
Singrauli Solar(15)	15	3	0	0	0.06	3	0.07	-0.01
KHEP(4*200)	800	792	865	866	17.75	740	16.34	1.42
Sub Total (A)	12612	10488	10042	7175	190	7923	189	0.69
B. NPC								
NAPS (2*220)	440	380	422	434	9.29	387	9.12	0.17
RAPS- B (2*220)	440	384	427	432	9.21	384	9.13	0.09
RAPS- C (2*220)	440	430	450	450	9.67	403	10.32	-0.65
Sub Total (B)	1320	1194	1299	1316	28.18	1174	28.57	-0.39
C. NHPC								
Chamera I HPS (3*180)	540	534	544	178	8.20	342	8.00	0.20
Chamera II HPS (3*100)	300	264	304	304	6.37	266	6.30	0.07
Chamera III HPS (3*77)	231	180	230	231	4.44	185	4.33	0.11
Bairasul HPS(3*60)	180	160	123	62	1.36	57	1.35	0.01
Salal-HPS (6*115)	690	437	448	400	10.94	456	10.49	0.45
Tanakpur-HPS (3*31.4)	94	90	93	95	2.25	94	2.15	0.10
Uri-I HPS (4*120)	480	168	161	127	4.17	174	4.03	0.14
Uri-II HPS (4*60)	240	98	125	80	2.45	102	2.34	0.10
Dhauliganga-HPS (4*70)	280	154	289	0	3.64	152	3.71	-0.06
Dulhasti-HPS (3*130)	390	387	400	403	9.46	394	9.28	0.19
Sewa-II HPS (3*40)	120	119	120	0	0.36	15	0.36	0.00
Parbati 3 (4*130)	520	121	514	128	2.90	121	2.79	0.12
Sub Total (C)	4065	2712	3351	2008	57	2356	55	1.44
D. SJVNL								
NJPC (6*250)	1500	1482	1467	1174	32.35	1348	31.17	1.18
Rampur HEP (6*68.67)	412	408	395	369	9.21	384	8.67	0.55
Sub Total (D)	1912	1890	1862	1543	41.56	1732	39.84	1.73
E. THDC								
Tehri HPS (4*250)	1000	1017	971	1061	18.66	777	18.43	0.23
Koteshwar HPS (4*100)	400	248	389	394	5.97	249	5.95	0.02
Sub Total (E)	1400	1265	1360	1455	24.63	1026	24.38	0.25
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	801	1214	657	19.26	803	19.22	0.04
Dehar HPS (6*165)	990	570	825	495	13.82	576	13.68	0.15
Pong HPS (6*66)	396	354	396	396	8.57	357	8.50	0.07
Sub Total (F)	2765	1725	2435	1548	41.66	1736	41.39	0.26
G. IPP(s)/JV(s)								
Allain DuhanganHPS(IPP) (2*96)	192	0	197	230	3.83	160	3.58	0.25
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	825	16.45	685	15.83	0.62
Malana Stg-II HPS (2*50)	100	0	111	113	2.27	95	2.14	0.14
Shree Cement TPS (2*150)	300	0	146	145	3.31	138	3.39	-0.08
Budhil HPS(IPP) (2*35)	70	0	46	46	1.09	46	0.82	0.27
Sainj HPS (IPP) (2*50)	100							
Sub Total (G)	1762	0	1500	1359	26.95	1123	25.76	1.19
H. Total Regional Entities (A-G)	25837	19273	21849	16404	209.68	17070	404.51	5.16
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	0	0	-0.17	-7
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	70	0.78	33
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	251	187	4.42	184
	Goindwal(GVK) (2*270)	540	360	360	8.66	361
	Rajpura (2*700)	1400	660	330	13.55	564
	Talwandi Saboo (3*660)	1980	1700	924	33.55	1398
	Thermal (Total)	6560	2971	1871	60.79	2533
	Total Hydro	1000	786	751	18.44	768
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.12	5
	Solar	859	0	0	0.08	3
	Renewable(Total)	1162	0	0	0.19	8
	Total Punjab	8722	3757	2622	79.42	3309
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	513	0	4.53	189
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	910	734	20.01	834
Thermal (Total)		4497	1423	734	24.54	1023
Total Hydro		62	36	36	0.82	34
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	1459	770	25.36	1057
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	728	779	18.10
	suratgarh TPS (6*250)	1500	629	558	14.27	595
	Chabra TPS (4*250)	1000	586	425	11.43	476
	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	40	181	3.05	127
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	222	221	5.20	217
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	835	754	18.56	773
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	910	1069	24.00	1000
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	9536	4037	4073	96.76	4032
Total Hydro	550	87	89	1.64	68	
Wind power	4292	295	916	17.40	725	
Biomass	102	20	20	0.48	20	
Solar	1995	0	0	0.00	0	
Renewable/Others (Total)	6389	315	936	17.88	745	
Total Rajasthan	16475	4439	5098	116.27	4845	
UP	Anpara TPS (3*210+2*500)	1630	1185	1131	28.90	1204
	Obra TPS (2*50+2*94+5*200)	1194	434	395	9.60	400
	Paricha TPS (2*110+2*220+2*250)	1160	682	647	15.80	658
	Panki TPS (2*105)	210	108	99	2.50	104
	Harduaganj TPS (1*60+1*105+2*250)	665	446	319	8.40	350
	Tanda TPS (NTPC) (4*110)	440	370	272	7.39	308
	Roza TPS (IPP) (4*300)	1200	742	751	18.20	758
	Anpara-C (IPP) (2*600)	1200	555	398	12.20	508
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	451	451	10.60	442
	Lalitpur TPS(3*660)	1980	1242	762	20.60	858
	Bara(2*660)	1320	1197	741	22.50	938
	Thermal (Total)	12449	17412	5966	156.69	6529
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.50	438
Alakanada(4*82.5)	330	83	344	8.30	346	
Other Hydro	527	277	167	4.80	200	
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	18257	6962	181.49	7562	
Uttarakhand	Other Hydro	1250	741	789	18.63	776
	Total Gas	450	172	65	2.55	106
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.69	29
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.69	29
	Total Uttarakhand	2107	913	854	21.86	911
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	66	74	1.97	82
	Pragati Gas Turbine (2x104+ 1x122)	330	261	154	4.88	203
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	-5	251	2.76	115
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.64	152
	Thermal (Total)	2917	487	644	13.24	552
	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	487	644	13.24	552	
HP	Baspa HPS (IPP) (3*100)	300	225	306	6.21	259
	Malana HPS (IPP) (2*43)	86	92	94	2.09	87
	Other Hydro (>25MW)	372	395	381	8.91	371
	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	321	239	6.98	291
	Renewable(Total)	486	321	239	6.98	291
Total HP	1244	1033	1020	24.19	1008	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	653	589	15.54	647
	Other Hydro/IPP(including 98 MW Small Hydro)	308	138	92	2.40	100
	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	791	681	18	748
Total State Control Area Generation	52451	31136	18650	479.78	19991
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7219	6644	167.91	6996
Total Regional Availability(Gross)	78288	60204	41698	1057.37	44057

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11181	8587	205.80	8529
State Control Area Hydro	7468	4441	4377	98.27	4521
Total Regional Hydro	19702	15622	12964	304.07	13050

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	8844	636	1175	25.74	1073
Total Regional Renewable	8874	636	1175	25.87	1078

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)	-500	-500	0	500	0.00	12.21	-12.21
765 KV Gwalior-Agra (D/C)	1889	1957	2428	0	46.74	0.00	46.74
400 KV Zerda-Kankroli	-93	2	73	163	0.00	1.80	-1.80
400 KV Zerda-Bhinmal	22	0	107	158	0.00	0.86	-0.86
220 KV Auraiya-Malanpur	-75	-185	0	200	0.00	1.68	-1.68
220 KV Badod-Kota/Morak	29	81	123	15	1.36	0.00	1.36
Mundra-Mohindergarh(HVDC Bipole)	1499	499	1504	0	26.28	0.00	26.28
400 KV RAPP- Sujalpur	248	230	290	0	5.31	0.00	5.31
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	975	1050	1438	0	27.81	0.00	27.81
+/- 800 kV HVDC Champa-Kurushetra	1000	1000	1000	0	10.86	0	10.86
Sub Total WR	4994	4134			118.36	16.55	101.81
400 kV Sasaram - Varanasi	201	185	207	0	4.71	0.00	4.71
400 kV Sasaram - Allahabad	38	57	65	0	1.19	0.00	1.19
400 KV MZP- GKP (D/C)	332	376	588	0	10.30	0.00	10.30
400 KV Patna-Balia(D/C) X 2	583	674	805	0	17.15	0.00	17.15
400 KV B'Sharif-Balia (D/C)	102	112	262	0	3.86	0.00	3.86
765 KV Gaya-Balia	205	201	283	0	5.24	0.00	5.24
765 KV Gaya-Varanasi (D/C)	75	125	333	0	4.59	0.00	4.59
220 KV Pusauli-Sahupuri	242	238	247	0	5.29	0.00	5.29
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-18	-32	0	38	0.00	0.68	-0.68
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-244	-269	0	274	0.00	3.95	-3.95
400 KV Barh -GKP (D/C)	-194	-206	0	206	0.00	4.11	-4.11
400 kV B'Sharif - Varanasi (D/C)	103	49	103	72	0.45	0.00	0.45
+/- 800 KV HVDC Alipurduar-Agra	300	300	300	0	11.23	0.00	11.23
Sub Total ER	1725	1810			64.01	8.75	55.26
+/- 800 KV HVDC BiswanathCharialli-Agra	500	700	700	0.00	10.84	0.00	10.84
Sub Total NER	500	700			10.84	0.00	10.84
Total IR Exch	7219	6644			193.21	25.30	167.91

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
35.58	2.91	38.50	11.34	18.05	-27.30	-2.53	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
22.54	156.23	178.76	66.10	101.81	167.91	43.57	-54.42	-10.85

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	-23	-10	0	23	0	0	-0.32

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	3.30	49.33	85.49	11.12	0.68	0.00	0.00

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.17	13.02	49.80	12.08	49.99	0.025	0.049	50.07	49.87	14.51

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	403	1:53	397	18:30	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	6:02	391	19:56	0.0	0.0	0.0	0.0	0.0
Bareilly(PC)400kV	400	414	3:48	398	12:07	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	4:00	402	18:41	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	4:01	398	11:22	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	421	2:59	398	18:45	0.0	0.0	1.0	0.0	1.0
Bawana	400	417	3:59	396	18:50	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	4:01	402	11:20	0.0	0.0	0.7	0.0	0.7
Hissar	400	416	3:47	395	18:49	0.0	0.0	0.0	0.0	0.0
Moga	400	417	4:00	397	18:48	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	422	3:48	402	18:46	0.0	0.0	5.7	0.0	5.7
Nalagarh	400	422	3:59	405	11:19	0.0	0.0	3.5	0.0	3.5
Kishenpur	400	420	4:00	398	18:43	0.0	0.0	0.0	0.0	0.0
Wagooora	400	413	3:25	373	19:36	16.1	58.5	0.0	0.0	16.1
Amritsar	400	422	3:59	404	11:18	0.0	0.0	3.8	0.0	3.8
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	416	3:47	399	11:23	0.0	0.0	0.0	0.0	0.0

Rishikesh	400	408	8:23	394	18:44	0.0	0.0	0.0	0.0	0.0
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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	775	4:00	748	9:51	0.0	0.0	0.0	0.0	0.0
Balia	765	788	7:57	749	18:44	0.0	0.0	0.0	0.0	0.0
Moga	765	798	4:01	763	18:45	0.0	0.0	0.0	0.0	0.0
Agra	765	789	4:01	762	9:52	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	4:01	774	11:08	0.0	0.0	1.2	0.0	1.2
Unnao	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Lucknow	765	795	8:00	751	18:45	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	4:00	770	18:47	0.0	0.0	6.4	0.0	6.4
Jhatikara	765	800	4:00	770	18:44	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	793	4:03	754	18:44	0.0	0.0	0.0	0.0	0.0
Anta	765	796	4:01	769	22:38	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	3:06	771	19:45	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)	nflow (m ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	508.79	1485.27	503.02	1219.07	898.04	567.41
Pong	426.72	384.05	420.97	931.43	416.95	755.83	592.61	491.52
Tehri	829.79	740.04	824.25	1092.08	824.60	1099.49	291.81	406.00
Koteshwar	612.50	598.50	610.33	4.75	609.83	4.44	406.00	393.92
Chamera-I	760.00	748.75	754.56	0.00	0.00	0.00	218.45	222.85
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	519.95	6.72	518.94	5.66	184.26	215.85

* 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 (MU)	PXIL (MU)	Total (MU)
Punjab	1001	0	0	411	-152	0	23.82	-3.45	20.37	
Delhi	161	-386	0	325	-216	0	4.36	-5.10	-0.74	
Haryana	550	115	0	460	19	0	10.48	1.64	12.12	
HP	-651	-562	0	-462	-977	0	-12.87	-14.44	-27.31	
J&K	-503	30	0	-503	193	0	-12.07	4.66	-7.41	
CHD	0	-13	0	0	-50	0	0.00	-0.69	-0.69	
Rajasthan	-8	49	0	-8	-40	0	-0.18	-0.03	-0.21	
UP	924	-74	0	1094	-70	0	20.35	-1.56	18.79	
Uttarakhand	-48	-163	0	-48	7	0	-1.16	-0.32	-1.48	
Total	1427	-1006	0	1269	-1287	0	32.72	-19.29	13.43	

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1333	411	33	-506	0	0
Delhi	685	-101	3	-490	0	0
Haryana	685	292	115	17	0	0
HP	-422	-730	-272	-1006	0	0
J&K	-503	-503	479	-5	0	0
CHD	0	0	0	-91	0	0
Rajasthan	-8	-8	180	-47	0	0
UP	1438	407	0	-74	0	0
Uttarakhand	-48	-50	107	-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	0	11
Haryana	3	20
Rajasthan	2	13
Delhi	1	14
UP	0	9
Uttarakhand	5	28
HP	5	44
J & K	4	22
Chandigarh	3	16

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.09.2017 :

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 400kV Banda (UP) first time charged at 1728Hrs of 25.09.17

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 : 25.09.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER