

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 28.09.2017

Date of Reporting : 29.09.2017



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
49487	1885	51371	50.00	44934	612	45547	49.98	1091.21	20.63

* 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/Naphtha/Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	74.65	18.39	0.00	0.08	0.00	0.15	93.26	92.24	92.47	0.23	185.73	0.00
Haryana	41.94	0.82	0.00	0.00	0.00	0.00	42.76	100.43	103.45	3.02	146.21	1.68
Rajasthan	86.50	1.26	6.63	3.47	10.18	1.56	109.60	77.77	82.63	4.86	192.23	7.78
Delhi	6.99	0.00	13.55	0.00	0.00	0.00	20.54	80.32	80.20	-0.12	100.74	0.01
UP	178.11	23.85	0.00	0.00	0.00	1.20	203.17	148.90	150.24	1.35	353.41	0.06
Uttarakhand	0.00	22.09	6.73	0.56	0.00	0.00	29.38	9.87	9.98	0.12	39.36	0.00
HP	0.00	13.22	0.00	0.00	0.00	7.55	20.77	3.81	5.18	1.37	25.95	1.00
J & K	0.00	13.54	0.00	0.00	0.00	0.00	13.54	26.74	29.12	2.38	42.66	10.11
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.95	4.93	-0.02	4.93	0.00
Total	388.20	93.16	26.92	4.10	10.18	10.46	533.02	545.03	558.20	13.17	1091.21	20.63

* 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	8098	0	4	423	7078	0	-26	428	8220	12	0
Haryana	7046	688	144	555	5991	0	204	578	7211	22	175
Rajasthan	8527	549	327	-37	8595	235	234	-43	8909	7	183
Delhi	4742	0	83	246	3901	0	75	104	4809	17	0
UP	15656	120	-36	675	15334	130	185	758	16289	22	0
Uttarakhand	1821	0	-55	-202	1475	0	30	-213	1913	19	0
HP	1252	0	68	-1324	996	0	-2	-691	1389	8	0
J&K	2112	528	240	-162	1402	247	76	-360	2112	20	528
Chandigarh	232	0	-25	-60	163	0	-11	0	240	15	0
Total	49487	1885	749	115	44934	612	765	561	49487	20	1885

* 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	1719	1915	1895	41.73	1739	41.13	0.60
Rihand I STPS (2*500)	1000	923	1003	1001	22.15	923	22.10	0.04
Rihand II STPS (2*500)	1000	943	1009	1036	22.98	958	22.62	0.37
Rihand III STPS (2*500)	1000	943	1003	998	22.63	943	22.59	0.04
Dadri I STPS (4*210)	840	439	428	440	10.61	442	10.46	0.14
Dadri II STPS (2*490)	980	549	514	505	12.30	512	12.74	-0.44
Unchahar I TPS (2*210)	420	383	388	413	8.57	357	8.88	-0.31
Unchahar II TPS (2*210)	420	383	392	412	8.63	359	8.96	-0.34
Unchahar III TPS (1*210)	210	192	188	202	4.32	180	4.53	-0.21
Unchahar IV TPS (1*500)	500	0	0	0	0.00	0	0.00	0.00
ISTPP (Jhajhar) (3*500)	1500	976	961	1046	22.03	918	22.89	-0.86
Dadri GPS (4*130.19+2*154.51)	830	721	343	348	8.85	369	8.62	0.23
Anta GPS (3*88.71+1*153.2)	419	372	315	220	7.25	302	7.29	-0.04
Auraiya GPS (4*111.19+2*109.30)	663	400	249	185	4.81	200	4.75	0.05
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	0.00
Singrauli Solar(15)	15	2	0	0	0.00	0	0.04	-0.04
KHEP(4*200)	800	792	861	0	8.22	343	7.50	0.72
Sub Total (A)	12612	9739	9569	8701	205	8547	205	-0.05
B. NPC								
NAPS (2*220)	440	381	411	431	9.19	383	9.14	0.05
RAPS- B (2*220)	440	386	430	434	9.26	386	9.17	0.09
RAPS- C (2*220)	440	430	450	451	9.69	404	10.32	-0.63
Sub Total (B)	1320	1197	1291	1316	28.14	1173	28.63	-0.49
C. NHPC								
Chamera I HPS (3*180)	540	534	550	0	5.20	217	5.00	0.20
Chamera II HPS (3*100)	300	251	301	301	4.65	194	4.53	0.12
Chamera III HPS (3*77)	231	126	227	156	3.12	130	3.02	0.09
Bairasuli HPS(3*60)	180	161	124	62	1.30	54	1.23	0.07
Salal-HPS (6*115)	690	356	551	324	9.17	382	8.55	0.62
Tanakpur-HPS (3*31.4)	94	91	96	97	2.29	95	2.17	0.12
Uri-I HPS (4*120)	480	148	316	59	3.88	162	3.56	0.32
Uri-II HPS (4*60)	240	88	183	81	2.25	94	2.12	0.14
Dhauliganga-HPS (4*70)	280	200	280	140	4.94	206	4.80	0.15
Dulhasti-HPS (3*130)	390	387	401	401	9.45	394	9.28	0.18
Sewa-II HPS (3*40)	120	119	122	0	0.37	16	0.36	0.02
Parbati 3 (4*130)	520	184	390	0	2.04	85	2.02	0.02
Sub Total (C)	4065	2645	3541	1622	49	2028	47	2.04
D. SJVNL								
NJPC (6*250)	1500	1482	1459	764	22.95	956	22.54	0.42
Rampur HEP (6*68.67)	412	408	402	223	6.57	274	6.27	0.29
Sub Total (D)	1912	1890	1861	987	29.52	1230	28.81	0.71
E. THDC								
Tehri HPS (4*250)	1000	988	992	0	8.90	371	8.75	0.15
Koteshwar HPS (4*100)	400	118	301	90	2.88	120	2.84	0.05
Sub Total (E)	1400	1106	1293	90	11.79	491	11.59	0.20
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	845	1219	654	20.31	846	20.29	0.01
Dehar HPS (6*165)	990	564	825	495	13.75	573	13.54	0.22
Pong HPS (6*66)	396	345	396	264	8.30	346	8.29	0.02
Sub Total (F)	2765	1755	2440	1413	42.36	1765	42.11	0.25
G. IPP(s)/JV(s)								
Allain DuhanganHPS(IPP) (2*96)	192	0	154	104	1.93	80	1.90	0.03
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	355	12.31	513	12.09	0.21
Malana Stg-II HPS (2*50)	100	0	111	50	1.40	58	1.32	0.08
Shree Cement TPS (2*150)	300	0	148	145	3.52	147	3.55	-0.04
Budhil HPS(IPP) (2*35)	70	0	38	36	0.87	36	0.82	0.04
Sainj HPS (IPP) (2*50)	100	0	100	0	0.00	0	0.00	0.00
Sub Total (G)	1762	0	1451	691	20.01	834	19.69	0.33
H. Total Regional Entities (A-G)	25837	18332	21446	14820	385.62	16068	382.63	2.99
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	0.00	0
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	253	250	5.49	229
	Goindwal(GVK) (2*270)	540	491	491	11.74	489
	Rajpura (2*700)	1400	660	660	15.81	659
	Talwandi Saboo (3*660)	1980	1725	1725	41.60	1733
	Thermal (Total)	6560	3129	3126	74.65	3110
	Total Hydro	1000	768	770	18.39	766
	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	3897	3896	93.26	3886
	Haryana	Panipat TPS (2*210+2*250)	920	412	421	9.69
DCRTPP (Yamuna nagar) (2*300)		600	541	476	11.91	496
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khardar) (IPP) (2*600)		1200	565	0	7.43	310
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	597	572	12.91	538
Thermal (Total)		4497	2115	1469	41.94	1748
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	2151	1505	42.76	1782
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	587	588	13.84
	suratgarh TPS (6*250)	1500	437	635	13.89	579
	Chabra TPS (4*250)	1000	682	684	16.22	676
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	87	85	2.13	89
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	186	186	4.50	188
	RAPS A (NPC) (1*100+1*200)	300	175	157	1.09	45
	Barsingar (NLC) (2*125)	250	221	221	5.21	217
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	829	834	20.00	833
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1120	1124	17.34	723
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	9536	4324	4514	94.23	3926
Total Hydro	550	36	45	1.26	52	
Wind power	4292	172	679	10.18	424	
Biomass	102	20	20	0.47	20	
Solar	1995	20	0	3.47	145	
Renewable/Others (Total)	6389	212	699	14.12	588	
Total Rajasthan	16475	4572	5258	109.60	4567	
UP	Anpara TPS (3*210+2*500)	1630	1192	1195	29.51	1230
	Obra TPS (2*50+2*94+5*200)	1194	370	362	9.50	396
	Paricha TPS (2*110+2*220+2*250)	1160	570	617	14.10	588
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	432	438	10.40	433
	Tanda TPS (NTPC) (4*110)	440	380	385	9.24	385
	Roza TPS (IPP) (4*300)	1200	751	774	18.20	758
	Anpara-C (IPP) (2*600)	1200	1096	1079	26.22	1093
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	450	474	10.80	450
	Lalitpur TPS(3*660)	1980	1227	760	21.38	891
	Bara(2*660)	1320	1202	1198	28.76	1198
	Thermal (Total)	12449	7670	7282	178.11	7421
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.24	427
Alakanada(4*82.5)	330	323	304	7.24	302	
Other Hydro	527	303	327	6.38	266	
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	8781	8398	203.17	8465	
Uttarakhand	Other Hydro	1250	907	923	22.09	920
	Total Gas	450	277	283	6.73	281
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.56	23
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.56	23
	Total Uttarakhand	2107	1184	1206	29.38	1224
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	81	80	1.84	77
	Pragati Gas Turbine (2x104+ 1x122)	330	278	260	6.58	274
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	286	199	5.13	214
	Badarpur TPS (NTPC) (3*95+2*210)	705	313	324	6.99	291
	Thermal (Total)	2917	958	863	20.54	856
	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	958	863	20.54	856	
HP	Baspa HPS (IPP) (3*100)	300	150	190	4.32	180
	Malana HPS (IPP) (2*43)	86	86	61	1.32	55
	Other Hydro (>25MW)	372	329	341	7.58	316
	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	307	312	7.55	314
Renewable(Total)	486	307	312	7.55	314	
Total HP	1244	872	904	20.77	865	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	589	440	11.14	464
	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	727	532	14	564
Total State Control Area Generation	52451	23142	22563	533.02	22209
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		5945	8783	194.05	8086
Total Regional Availability(Gross)	78288	50533	46166	1112.69	46362

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11260	4621	157.05	6508
State Control Area Hydro	7468	4684	4559	93.16	4500
Total Regional Hydro	19702	15944	9181	250.21	11008

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	8844	519	1011	22.45	935
Total Regional Renewable	8874	519	1011	22.52	938

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	12.24	-12.24
765 KV Gwalior-Agra (D/C)	1275	2321	2366	0	44.64	0.00	44.64
400 KV Zerda-Kankroli	-133	11	11	139	0.00	1.95	-1.95
400 KV Zerda-Bhinmal	-55	-40	89	159	0.00	0.84	-0.84
220 KV Auraiya-Malanpur	-136	-58	0	140	0.00	1.98	-1.98
220 KV Badod-Kota/Morak	-51	55	108	66	0.49	0.00	0.49
Mundra-Mohindergarh(HVDC Bipole)	1499	1502	1504	0	36.28	0.00	36.28
400 KV RAPP- Sujalpur	126	213	290	0	5.05	0.00	5.05
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	694	1216	1367	0	26.43	0.00	26.43
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	3000	0	26.90	0	26.90
Sub Total WR	3719	6220			139.78	17.00	122.78
400 kV Sasaram - Varanasi	196	186	196	0	4.33	0.00	4.33
400 kV Sasaram - Allahabad	40	55	78	0	1.36	0.00	1.36
400 KV MZP- GKP (D/C)	280	482	646	0	11.89	0.00	11.89
400 KV Patna-Balia(D/C) X 2	506	709	871	0	16.90	0.00	16.90
400 KV B'Sharif-Balia (D/C)	77	112	265	0	3.89	0.00	3.89
765 KV Gaya-Balia	175	238	293	0	5.30	0.00	5.30
765 KV Gaya-Varanasi (D/C)	-24	-201	276	0	5.37	0.00	5.37
220 KV Pusauli-Sahupuri	196	252	255	0	5.29	0.00	5.29
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.59	-0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-247	-227	0	270	0.00	3.37	-3.37
400 KV Barh -GKP (D/C)	-204	-202	0	208	0.00	4.08	-4.08
400 kV B'Sharif - Varanasi (D/C)	131	59	131	87	0.32	0.00	0.32
+/- 800 KV HVDC Alipurduar-Agra	400	400	0	0	12.10	0.00	12.10
Sub Total ER	1526	1863			67.22	8.05	59.17
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	700	0.00	12.10	0.00	12.10
Sub Total NER	700	700			12.10	0.00	12.10
Total IR Exch	5945	8783			219.11	25.05	194.05

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
41.72	2.94	44.66	13.53	16.44	-16.66	-7.95	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
41.52	150.21	191.73	71.27	122.78	194.05	29.75	-27.43	2.32

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	-26	0	0	-26	0	0	-0.15

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	0.17	10.13	68.80	84.40	5.21	0.52	0.00	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)	
50.13	13.03	49.75	0.06	49.97	0.037	0.053	50.05	49.86	15.60

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	17:00	398	11:58	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	410	17:03	389	19:11	0.0	0.2	0.0	0.0	0.0
Bareilly(PC)400kV	400	415	6:02	403	19:10	0.0	0.0	0.0	0.0	0.0
Kanpur	400	415	4:30	404	0:03	0.0	0.0	0.0	0.0	0.0
Dadri	400	412	7:01	398	11:22	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	416	3:59	398	11:10	0.0	0.0	0.0	0.0	0.0
Bawana	400	413	7:54	398	11:22	0.0	0.0	0.0	0.0	0.0
Bassi	400	419	8:00	404	0:03	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	4:03	398	11:22	0.0	0.0	0.0	0.0	0.0
Moga	400	412	2:59	400	11:03	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	420	6:54	404	14:20	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	2:57	407	12:46	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	418	3:38	398	19:23	0.0	0.0	0.0	0.0	0.0
Wagoora	400	412	3:16	374	19:07	17.2	60.2	0.0	0.0	17.2
Amritsar	400	417	3:14	403	12:39	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	414	2:59	400	14:39	0.0	0.0	0.0	0.0	0.0

Rishikesh	400	410	18:00	399	11:00	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	776	6:03	752	11:20	0.0	0.0	0.0	0.0	0.0
Balia	765	782	6:01	761	0:05	0.0	0.0	0.0	0.0	0.0
Moga	765	790	7:59	766	11:22	0.0	0.0	0.0	0.0	0.0
Agra	765	790	8:00	767	0:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	797	7:52	773	11:22	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	785	6:01	761	19:10	0.0	0.0	0.0	0.0	0.0
Meerut	765	797	7:53	774	9:21	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	795	8:01	771	11:22	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	798	8:00	775	19:11	0.0	0.0	0.0	0.0	0.0
Anta	765	785	4:03	770	10:35	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	8:00	679	10:35	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	508.82	1485.27	502.81	1219.07	574.12	611.67
Pong	426.72	384.05	420.73	916.71	416.67	743.22	182.93	477.79
Tehri	829.79	740.04	824.80	1103.72	824.40	1094.05	189.01	194.00
Koteshwar	612.50	598.50	611.17	5.20	610.12	4.60	194.00	190.50
Chamera-I	760.00	748.75	754.14	0.00	0.00	0.00	151.94	141.38
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	519.42	7.14	518.28	5.92	177.79	280.51

* 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	883	-455	0	423	0	0	23.04	-5.66		17.37
Delhi	460	-357	0	208	39	0	8.16	-1.84		6.32
Haryana	550	28	0	550	5	0	9.07	-0.87		8.20
HP	-554	-138	0	-324	-1000	0	-9.92	-11.54		-21.46
J&K	-503	143	0	-503	341	0	-12.07	6.79		-5.28
CHD	0	0	0	0	-60	0	0.00	-0.27		-0.27
Rajasthan	-8	-35	0	-8	-30	0	-0.18	0.90		0.72
UP	837	-78	0	727	-52	0	16.50	-0.22		16.28
Uttarakhand	-61	-152	0	-62	-140	0	-1.47	-2.80		-4.27
Total	1605	-1044	0	1012	-898	0	33.13	-15.51		17.62

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1296	423	0	-758	0	0
Delhi	682	184	257	-429	0	0
Haryana	550	292	35	-295	0	0
HP	-320	-592	-131	-1028	0	0
J&K	-503	-503	479	-5	0	0
CHD	0	0	44	-65	0	0
Rajasthan	-8	-8	489	-55	0	0
UP	1022	407	609	-79	0	0
Uttarakhand	-60	-62	5	-304	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	15
Haryana	2	21
Rajasthan	3	30
Delhi	2	16
UP	1	16
Uttarakhand	2	26
HP	7	2
J & K	4	40
Chandigarh	6	74

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 28.09.2017 :

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :

1. 400 KV Ataur-Muradnagar first time charged at 21.43 hrs on 28.09.17
2. 400KV 125MVAR Bus reactor at Bhadla first time charged at 16:10Hrs on 28.09.17

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 : 28.09.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER