

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.09.2017

Date of Reporting : 30.09.2017



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
48721	1653	50374	50.00	44786	594	45380	49.99	1104.49	29.27

* 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	73.04	18.27	0.00	0.08	0.00	0.12	91.50	87.52	88.29	0.77	179.80	0.00
Haryana	47.14	0.88	0.00	0.00	0.00	0.00	48.02	99.56	103.06	3.50	151.08	0.30
Rajasthan	93.03	0.88	6.69	3.35	12.20	4.71	120.87	77.67	84.52	6.85	205.38	13.83
Delhi	6.97	0.00	16.36	0.00	0.00	0.00	23.33	78.64	77.77	-0.88	101.09	0.00
UP	177.70	22.41	0.00	0.00	0.00	1.20	201.32	149.00	151.32	2.32	352.64	4.80
Uttarakhand	0.00	20.81	6.65	0.53	0.00	0.00	28.00	10.89	11.06	0.16	39.06	0.00
HP	0.00	12.53	0.00	0.00	0.00	7.17	19.70	6.65	7.07	0.42	26.77	0.00
J & K	0.00	14.05	0.00	0.00	0.00	0.00	14.05	25.67	29.63	3.97	43.68	10.35
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.23	4.98	-0.25	4.98	0.00
Total	397.89	89.83	29.70	3.97	12.20	13.20	546.78	540.84	557.71	16.86	1104.49	29.27

* 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	7607	0	-22	221	7267	0	57	609	7880	10	0
Haryana	6946	781	159	555	6293	0	14	558	7029	21	538
Rajasthan	8651	339	335	24	8370	38	307	99	9392	7	684
Delhi	4691	0	-2	130	4035	0	139	353	4785	16	0
UP	15390	0	-216	771	14712	300	212	845	16373	22	0
Uttarakhand	1810	0	46	-256	1514	0	-8	-175	1865	19	0
HP	1255	0	2	-1239	982	0	7	-716	1407	8	0
J&K	2132	533	300	-241	1448	256	28	-276	2132	20	533
Chandigarh	239	0	-28	-60	165	0	-17	0	252	16	0
Total	48721	1653	575	-96	44786	594	738	1300	48992	21	2065

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

Diversity is 1.04

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	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1740	1903	1894	42.02	1751	41.75		0.27
Rihand I STPS (2*500)	1000	923	978	1001	22.05	919	22.14		-0.09
Rihand II STPS (2*500)	1000	943	998	1029	22.81	950	22.62		0.19
Rihand III STPS (2*500)	1000	943	977	1011	22.53	939	22.61		-0.08
Dadri I STPS (4*210)	840	439	422	429	10.52	438	10.42		0.10
Dadri II STPS (2*490)	980	542	515	521	12.76	532	13.00		-0.23
Unchahar I TPS (2*210)	420	383	372	376	8.48	353	9.03		-0.55
Unchahar II TPS (2*210)	420	383	368	385	8.46	352	9.13		-0.67
Unchahar III TPS (1*210)	210	192	174	190	4.09	170	4.53		-0.44
Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00		0.00
ISTPP (Jhajhar) (3*500)	1500	829	867	839	19.48	812	19.82		-0.33
Dadri GPS (4*130.19+2*154.51)	830	719	182	153	3.71	155	4.07		-0.36
Anta GPS (3*88.71+1*153.2)	419	370	47	0	0.54	23	0.36		0.18
Auraiya GPS (4*111.19+2*109.30)	663	448	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	0.04	2	0.05		-0.01
Singrauli Solar(15)	15	2	0	0	0.07	3	0.06		0.01
KHEP(4*200)	800	792	756	0	10.71	446	10.00		0.71
Sub Total (A)	12612	9651	8559	7828	188	7845	190		-1.29
B. NPC									
NAPS (2*220)	440	386	417	420	9.14	381	9.26		-0.12
RAPS- B (2*220)	440	386	430	433	9.31	388	9.17		0.14
RAPS- C (2*220)	440	430	450	451	9.74	406	10.32		-0.58
Sub Total (B)	1320	1202	1297	1304	28.19	1175	28.75		-0.56
C. NHPC									
Chamera I HPS (3*180)	540	534	546	0	4.80	200	4.65		0.15
Chamera II HPS (3*100)	300	178	298	102	4.21	176	4.13		0.09
Chamera III HPS (3*77)	231	125	228	78	3.02	126	3.00		0.02
Bairasul HPS(3*60)	180	163	120	50	1.12	47	1.06		0.06
Salal-HPS (6*115)	690	367	554	415	9.14	381	8.80		0.34
Tanakpur-HPS (3*31.4)	94	91	97	96	2.28	95	2.17		0.11
Uri-I HPS (4*120)	480	144	309	81	3.68	153	3.47		0.21
Uri-II HPS (4*60)	240	88	182	80	2.23	93	2.12		0.11
Dhauliganga-HPS (4*70)	280	196	286	218	4.82	201	4.69		0.13
Dulhasti-HPS (3*130)	390	387	400	400	9.45	394	9.28		0.18
Sewa-II HPS (3*40)	120	119	111	0	0.36	15	0.36		0.00
Parbati 3 (4*130)	520	176	518	0	1.77	74	1.67		0.10
Sub Total (C)	4065	2568	3648	1522	47	1954	45		1.50
D. SJVNL									
NJPC (6*250)	1500	1482	1487	758	21.03	876	20.83		0.20
Rampur HEP (6*68.67)	412	408	419	214	6.10	254	5.81		0.29
Sub Total (D)	1912	1890	1906	972	27.12	1130	26.64		0.49
E. THDC									
Tehri HPS (4*250)	1000	988	1007	0	9.71	404	9.60		0.11
Koteswar HPS (4*100)	400	137	396	94	3.35	140	3.28		0.07
Sub Total (E)	1400	1125	1403	94	13.05	544	12.88		0.17
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	833	1218	654	20.05	835	19.99		0.05
Dehar HPS (6*165)	990	570	825	495	13.83	576	13.68		0.16
Pong HPS (6*66)	396	329	396	330	7.93	330	7.90		0.03
Sub Total (F)	2765	1732	2439	1479	41.80	1742	41.57		0.24
G. IPP(s)/JV(s)									
Allain DuhanganHPS(IPP) (2*96)	192	0	111	84	1.92	80	2.16		-0.24
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	360	11.03	460	10.94		0.09
Malana Stg-II HPS (2*50)	100	0	104	51	1.23	51	1.18		0.04
Shree Cement TPS (2*150)	300	0	146	146	3.48	145	3.55		-0.07
Budhil HPS(IPP) (2*35)	70	0	36	36	0.85	35	0.82		0.02
Sainj HPS (IPP) (2*50)	100								
Sub Total (G)	1762	0	1397	677	18.50	771	18.66		-0.16
H. Total Regional Entities (A-G)	25837	18168	20649	13876	363.83	15160	363.46		0.37
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	251	254	5.47	228
	Goindwal(GVK) (2*270)	540	491	491	12.25	510
	Rajpura (2*700)	1400	660	660	15.77	657
	Talwandi Saboo (3*660)	1980	1600	1725	39.55	1648
	Thermal (Total)	6560	3002	3130	73.04	3043
	Total Hydro	1000	768	766	18.27	761
	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	0.20	8
	Total Punjab	8722	3770	3896	91.50	3813
	Haryana	Panipat TPS (2*210+2*250)	920	395	418	9.61
DCRTPP (Yamuna nagar) (2*300)		600	531	524	11.82	493
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khardar) (IPP) (2*600)		1200	564	570	11.64	485
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	608	583	14.07	586
Thermal (Total)		4497	2098	2095	47.14	1964
Total Hydro		62	36	36	0.88	36
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	2134	2131	48.02	2001
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	584	586	13.81
	suratgarh TPS (6*250)	1500	640	431	14.55	606
	Chabra TPS (4*250)	1000	691	685	16.54	689
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	87	87	2.13	89
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	186	186	4.55	190
	RAPS A (NPC) (1*100+1*200)	300	165	175	4.10	171
	Barsingsar (NLC) (2*125)	250	220	220	5.21	217
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	825	836	20.00	833
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	995	561	22.92	955
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	9536	4393	3767	103.81	4326
	Total Hydro	550	89	45	0.88	37
	Wind power	4292	73	934	12.20	509
	Biomass	102	26	26	0.62	26
	Solar	1995	0	0	3.35	140
	Renewable/Others (Total)	6389	99	960	16.17	674
Total Rajasthan	16475	4581	4772	120.87	5036	
UP	Anpara TPS (3*210+2*500)	1630	1199	1181	29.48	1228
	Obra TPS (2*50+2*94+5*200)	1194	337	185	5.09	212
	Paricha TPS (2*110+2*220+2*250)	1160	887	612	15.77	657
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	448	398	9.65	402
	Tanda TPS (NTPC) (4*110)	440	397	385	9.04	377
	Roza TPS (IPP) (4*300)	1200	905	761	19.30	804
	Anpara-C (IPP) (2*600)	1200	1084	1122	26.04	1085
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	449	444	10.82	451
	Lalitpur TPS(3*660)	1980	424	1238	23.71	988
	Bara(2*660)	1320	1202	1201	28.80	1200
	Thermal (Total)	12449	7332	7527	177.70	7404
	Vishnuparyag HPS (IPP)(4*110)	440	405	435	9.66	402
	Alakanada(4*82.5)	330	322	252	6.78	283
	Other Hydro	527	199	204	5.98	249
	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	8308	8468	201.32	8388	
Uttarakhand	Other Hydro	1250	837	905	20.81	867
	Total Gas	450	275	284	6.65	277
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.53	22
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.53	22
	Total Uttarakhand	2107	1112	1189	28.00	1167
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	148	81	2.82	118
	Pragati Gas Turbine (2x104+ 1x122)	330	256	263	6.44	268
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	296	301	7.10	296
	Badarpur TPS (NTPC) (3*95+2*210)	705	322	320	6.97	290
	Thermal (Total)	2917	1022	965	23.33	972
	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	1022	965	23.33	972	
HP	Baspa HPS (IPP) (3*100)	300	178	178	4.12	172
	Malana HPS (IPP) (2*43)	86	87	41	1.22	51
	Other Hydro (>25MW)	372	294	303	7.19	300
	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	318	292	7.17	299
	Renewable(Total)	486	318	292	7.17	299
Total HP	1244	877	814	19.70	821	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	590	441	11.64	485
	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	728	533	14	585
Total State Control Area Generation	52451	22532	22768	546.78	22782
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7660	9061.62	212.95	8873
Total Regional Availability(Gross)	78288	50842	45706	1123.56	46815

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11368	4562	154.60	6406
State Control Area Hydro	7468	4536	4274	89.83	4341
Total Regional Hydro	19702	15904	8836	244.42	10747

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	8844	417	1252	24.07	1003
Total Regional Renewable	8874	417	1252	24.20	1008

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)	-200	-500	0	500	0.00	8.62	-8.62
765 KV Gwalior-Agra (D/C)	1636	1916	2276	0	43.04	0.00	43.04
400 KV Zerda-Kankroli	-59	-56	0	137	0.00	1.72	-1.72
400 KV Zerda-Bhinmal	39	-59	63	119	0.00	1.12	-1.12
220 KV Auraiya-Malanpur	49	43	76	0	0.90	0.00	0.90
220 KV Badod-Kota/Morak	-3	59	78	10	1.10	0.00	1.10
Mundra-Mohindergarh(HVDC Bipole)	1502	1502	1505	0	36.29	0.00	36.29
400 KV RAPP- Sujalpur	274	239	367	0	6.48	0.00	6.48
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	713	1216	1216	0	25.74	0.00	25.74
+/- 800 kV HVDC Champa-Kurushetra	1000	1500	1500	0	27.28	0	27.28
Sub Total WR	4951	5860			140.83	11.45	129.38
400 kV Sasaram - Varanasi	189	172	189	0	3.90	0.00	3.90
400 kV Sasaram - Allahabad	50	70	84	0	1.66	0.00	1.66
400 KV MZP- GKP (D/C)	380	596	806	0	15.04	0.00	15.04
400 KV Patna-Balia(D/C) X 2	654	793	1087	0	21.44	0.00	21.44
400 KV B'Sharif-Balia (D/C)	102	150	295	0	4.69	0.00	4.69
765 KV Gaya-Balia	203	192	292	0	5.18	0.00	5.18
765 KV Gaya-Varanasi (D/C)	209	238	465	0	6.86	0.00	6.86
220 KV Pusauli-Sahupuri	228	184	228	0	4.96	0.00	4.96
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-35	0	35	0.00	0.64	-0.64
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-231	-123	0	231	0.00	2.23	-2.23
400 KV Barh -GKP (D/C)	-206	-120	0	206	0.00	3.70	-3.70
400 kV B'Sharif - Varanasi (D/C)	61	-15	153	82	1.30	0.00	1.30
+/- 800 KV HVDC Alipurduar-Agra	400	400	400	0	12.70	0.00	12.70
Sub Total ER	2009	2502			77.73	6.56	71.17
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	700	0.00	12.41	0.00	12.41
Sub Total NER	700	700			12.41	0.00	12.41
Total IR Exch	7660	9062			230.97	18.01	212.95

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
44.60	2.57	47.18	14.68	16.90	-3.46	-15.54	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
58.40	137.01	195.41	83.58	129.38	212.95	25.17	-7.63	17.55

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	-16	0	0	26	0	0	-0.06

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	3.69	52.68	82.36	13.48	1.05	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)	
50.13	8.02	49.84	23.01	50.00	0.025	0.050	50.08	49.90	17.64

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	402	1:26	399	9:20	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	410	6:33	394	18:38	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	6:03	403	23:02	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	8:02	406	22:55	0.0	0.0	0.0	0.0	0.0
Dadri	400	412	3:54	398	11:13	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	417	4:02	398	11:13	0.0	0.0	0.0	0.0	0.0
Bawana	400	412	3:53	398	11:13	0.0	0.0	0.0	0.0	0.0
Bassi	400	419	4:01	402	11:12	0.0	0.0	0.0	0.0	0.0
Hissar	400	412	4:00	399	11:13	0.0	0.0	0.0	0.0	0.0
Moga	400	414	4:00	400	10:10	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	418	3:57	408	9:21	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	3:33	408	11:12	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	418	3:50	397	11:13	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	3:51	373	10:11	30.9	61.7	0.0	0.0	30.9
Amritsar	400	419	4:00	404	11:12	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	3:42	400	11:13	0.0	0.0	0.0	0.0	0.0

Rishikesh	400	414	6:02	398	11:06	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	779	1:31	755	11:13	0.0	0.0	0.0	0.0	0.0
Balia	765	790	6:57	766	21:49	0.0	0.0	0.0	0.0	0.0
Moga	765	793	4:01	766	11:11	0.0	0.0	0.0	0.0	0.0
Agra	765	793	18:01	768	11:11	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	4:00	775	10:09	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	790	6:13	765	22:02	0.0	0.0	0.0	0.0	0.0
Meerut	765	802	4:02	769	11:12	0.0	0.0	0.2	0.0	0.2
Jhatikara	765	796	4:00	771	11:13	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	802	6:02	776	23:01	0.0	0.0	2.3	0.0	2.3
Anta	765	788	0:13	770	10:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	4:00	773	10:09	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	508.84	1485.27	502.80	1219.07	658.22	614.14
Pong	426.72	384.05	420.62	916.71	416.56	743.22	137.79	455.53
Tehri	829.79	740.04	824.75	1102.70	824.40	1095.19	179.80	210.00
Koteshwar	612.50	598.50	611.08	5.10	610.20	4.65	210.00	220.70
Chamera-I	760.00	748.75	754.22	0.00	0.00	0.00	139.32	130.52
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	519.19	7.12	518.07	5.81	123.24	293.34

* 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	1014	-404	0	423	-202	0	23.33	-7.16		16.17
Delhi	460	-107	0	208	-77	0	8.07	-1.72		6.35
Haryana	550	8	0	550	5	0	9.07	-1.14		7.93
HP	-542	-174	0	-313	-926	0	-9.60	-7.99		-17.60
J&K	-503	227	0	-503	262	0	-12.07	8.22		-3.85
CHD	0	0	0	0	-60	0	0.00	-0.06		-0.06
Rajasthan	-8	107	0	-8	31	0	-0.18	3.21		3.02
UP	924	-78	0	845	-74	0	17.60	-0.58		17.02
Uttarakhand	-62	-113	0	-62	-194	0	-1.49	-2.44		-3.93
Total	1833	-534	0	1140	-1236	0	34.72	-9.68		25.04

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1247	423	-101	-708	0	0
Delhi	682	162	280	-415	0	0
Haryana	550	292	10	-592	0	0
HP	-279	-581	-137	-926	0	0
J&K	-503	-503	479	-5	0	0
CHD	0	0	49	-60	0	0
Rajasthan	-8	-8	735	16	0	0
UP	1140	407	611	-79	0	0
Uttarakhand	-62	-62	3	-328	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	1	18
Rajasthan	7	79
Delhi	2	19
UP	2	25
Uttarakhand	1	23
HP	4	40
J & K	5	33
Chandigarh	2	23

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 29.09.2017 :

XVI. Synchronisation of new generating units :

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

1. 400KV ATAUUR-MUZAFFARNAGAR LINE FIRST TIME CHARGED @ 11:29hRS ON 29.09.2017.
2. 500MVA ICT-01 ALONG WITH BAY NO: 204 AND 220KV BUS-I FIRST TIME CHARGED @ ATAUUR 16:52HRS ON 29.09.2017.
3. 400KV 125MVAR BUS REACTOR-2 AT MANESAR FIRST TIME CHARGED @ 22:52 HRS ON 29.09.2017.

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 : 29.09.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER