

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO1188682

Power Supply Position in Northern Region for 26.10.2017
Date of Reporting : 27.10.2017



I. Regional Availability/Demand:

Evening Peak (19:00 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
43004	832	43836	49.98	34916	255	35171	49.96	910.79	9.43

* 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	55.12	10.13	0.00	0.06	0.00	0.14	65.44	42.95	41.60	-1.34	107.05	0.00
Haryana	38.64	0.58	3.69	0.00	0.00	0.00	42.90	80.86	82.11	1.26	125.01	0.00
Rajasthan	105.87	4.09	5.61	2.22	10.82	4.68	133.29	64.94	65.79	0.85	199.08	0.00
Delhi	-0.11	0.00	13.38	0.00	0.00	0.00	13.27	59.03	58.56	-0.47	71.82	0.01
UP	168.26	11.92	0.00	0.00	0.00	2.40	182.58	121.76	122.91	1.15	305.49	0.00
Uttarakhand	0.00	12.52	7.09	0.49	0.00	0.00	20.10	12.70	13.83	1.13	33.92	0.00
HP	0.00	6.31	0.00	0.00	0.00	2.94	9.25	15.06	15.45	0.39	24.69	0.06
J & K	0.00	7.12	0.00	0.00	0.00	0.00	7.12	32.21	33.11	0.90	40.23	9.36
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.83	3.49	-0.34	3.49	0.00
Total	367.77	52.66	29.77	2.76	10.82	10.16	473.94	433.32	436.85	3.53	910.79	9.43

* 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 (19:00 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	5087	0	-161	-1246	3780	0	-106	-1348	5087	19	0
Haryana	6510	0	32	26	5026	0	-45	48	6510	19	0
Rajasthan	8842	0	14	-645	7767	0	91	-587	9873	8	0
Delhi	3491	0	-110	-409	2459	0	1	-450	3641	12	0
UP	14090	360	-186	567	12341	0	-10	108	14090	19	360
Uttarakhand	1679	0	-27	-380	1184	0	43	-37	1718	18	0
HP	1248	2	28	-767	817	0	3	129	1393	8	0
J&K	1877	469	33	146	1445	255	44	423	1905	18	476
Chandigarh	180	0	-20	-91	97	0	-29	0	223	15	0
Total	43004	832	-397	-2798	34916	255	-9	-1713	43004	19	832

* 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 Scentout(MW)	Schedule Net MU	UI Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1720	1884	1860	41.97	1749	41.12	0.84
Rihand I STPS (2*500)	1000	923	1009	998	21.86	911	21.79	0.08
Rihand II STPS (2*500)	1000	943	1025	995	22.71	946	22.25	0.46
Rihand III STPS (2*500)	1000	943	1021	953	22.71	946	22.04	0.67
Dadri I STPS (4*210)	840	654	425	428	11.08	462	10.83	0.25
Dadri II STPS (2*490)	980	790	514	501	14.68	612	15.14	-0.47
Unchahar I TPS (2*210)	420	150	127	127	2.82	118	2.60	0.22
Unchahar II TPS (2*210)	420	292	234	228	5.56	232	5.60	-0.04
Unchahar III TPS (1*210)	210	192	119	118	3.14	131	3.18	-0.04
Unchahar IV TPS(1*500)	500	410	360	306	8.69	362	8.22	0.47
ISTPP (Jhajjar) (3*500)	1500	847	888	590	15.54	648	15.75	-0.21
Dadri GPS (4*130.19+2*154.51)	830	796	161	144	3.47	145	3.47	-0.01
Anta GPS (3*88.71+1*153.2)	419	276	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	615	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	3	0	0	0.06	3	0.06	0.00
KHEP(4*200)	800	792	0	0	0.00	0	4.00	-4.00
Sub Total (A)	12612	10346	7767	7248	174	7265	176	-1.78
B. NPC								
NAPS (2*220)	440	399	435	439	9.61	401	9.56	0.05
RAPS- B (2*220)	440	394	435	440	9.47	395	9.34	0.13
RAPS- C (2*220)	440	416	451	451	9.89	412	9.98	-0.10
Sub Total (B)	1320	1209	1321	1330	28.97	1207	28.89	0.08
C. NHPC								
Chamera I HPS (3*180)	540	534	550	0	2.76	115	2.60	0.16
Chamera II HPS (3*100)	300	300	299	0	2.03	85	1.95	0.08
Chamera III HPS (3*77)	231	55	232	0	1.41	59	1.33	0.08
Bairasuli HPS(3*60)	180	105	124	0	0.65	27	0.44	0.21
Salal-HPS (6*115)	690	150	400	400	4.36	181	3.60	0.76
Tanakpur-HPS (3*31.4)	94	53	51	52	1.32	55	1.26	0.06
Uri-I HPS (4*120)	480	73	210	35	1.94	81	1.75	0.19
Uri-II HPS (4*60)	240	49	124	37	1.23	51	1.18	0.05
Dhauliganga-HPS (4*70)	280	93	284	74	2.27	95	2.24	0.03
Dulhasti-HPS (3*130)	390	387	394	0	5.29	220	5.00	0.29
Sewa-II HPS (3*40)	120	119	120	0	0.32	13	0.36	-0.04
Parbati 3 (4*130)	520	37	266	0	0.81	34	0.77	0.04
Sub Total (C)	4065	1954	3056	598	24	1016	22	1.92
D. SJVNL								
NJPC (6*250)	1500	1482	1486	0	11.88	495	11.62	0.25
Rampur HEP (6*68.67)	412	408	422	0	3.41	142	3.27	0.14
Sub Total (D)	1912	1890	1908	0	15.29	637	14.90	0.39
E. THDC								
Tehri HPS (4*250)	1000	772	757	0	6.94	289	6.65	0.29
Koteswar HPS (4*100)	400	91	102	92	2.27	94	2.19	0.08
Sub Total (E)	1400	863	859	92	9.20	383	8.84	0.36
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	495	1071	368	11.88	495	11.88	-0.01
Dehar HPS (6*165)	990	213	495	165	5.40	225	5.12	0.28
Pong HPS (6*66)	396	273	330	132	6.59	274	6.55	0.04
Sub Total (F)	2765	981	1896	665	23.86	994	23.55	0.30
G. IPP(s)/JV(s)								
Allain Duhangan HPS(IPP) (2*96)	192	0	110	0	0.89	37	0.84	0.05
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	825	0	6.47	269	6.37	0.10
Malana Stg-II HPS (2*50)	100	0	20	11	0.50	21	0.51	-0.01
Shree Cement TPS (2*150)	300	0	148	147	3.52	147	3.54	-0.03
Budhil HPS(IPP) (2*35)	70	0	35	0	0.40	17	0.42	-0.02
Sainj HPS (IPP) (2*50)	100	0	0	0	0.00	0	0.65	0.00
Sub Total (G)	1762	0	1138	158	11.78	491	11.68	0.10
H. Total Regional Entities (A-G)	25837	17244	17944	10091	287.85	11994	286.47	1.38
I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(S centout MW)		

Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	0	0	-0.11	-5
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.10	-4
	Goindwal(GVK) (2*270)	540	290	491	8.53	356
	Rajpura (2*700)	1400	660	660	15.87	661
	Talwandi Saboo (3*660)	1980	1350	1350	30.94	1289
	Thermal (Total)	6560	2300	2501	55.12	2297
	Total Hydro	1000	424	420	10.13	422
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.14	6
	Solar	859	0	0	0.06	3
	Renewable(Total)	1162	0	0	0.20	8
	Total Punjab	8722	2724	2921	65.44	2727
	Haryana	Panipat TPS (2*210+2*250)	920	180	187	4.36
DCRTPP (Yamuna nagar) (2*300)		600	482	468	10.81	451
Faridabad GPS (NTPC)(2*137.75+1*156)		432	155	153	3.69	154
RGTPP (khardar) (IPP) (2*600)		1200	565	440	10.05	419
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	622	562	13.42	559
Thermal (Total)		4497	2004	1810	42.32	1763
Total Hydro		62	15	10	0.58	24
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	2019	1820	42.90	1788
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	928	747	19.78
	suratgarh TPS (6*250)	1500	231	188	4.62	192
	Chabra TPS (4*250)	1000	911	947	21.73	905
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	112	101	2.40	100
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	111	136	3.21	134
	RAPS A (NPC) (1*100+1*200)	300	148	188	4.21	176
	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	832	835	19.11	796
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	878	925	20.80	867
	Kawai(Adani) (2*660)	1320	613	615	14.64	610
	Thermal (Total)	9536	4985	4903	115.69	4821
	Total Hydro	550	152	189	4.09	170
	Wind power	4292	133	377	10.82	451
	Biomass	102	20	20	0.47	20
	Solar	1995	0	0	2.22	92
	Renewable/Others (Total)	6389	153	397	13.51	563
Total Rajasthan	16475	5290	5489	133.29	5554	
UP	Anpara TPS (3*210+2*500)	1630	1167	1161	29.43	1226
	Obra TPS (2*50+2*94+5*200)	1194	450	484	11.12	463
	Paricha TPS (2*110+2*220+2*250)	1160	584	582	14.19	591
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	319	314	7.72	322
	Tanda TPS (NTPC) (4*110)	440	290	280	6.91	288
	Roza TPS (IPP) (4*300)	1200	755	901	19.84	827
	Anpara-C (IPP) (2*600)	1200	1110	1069	25.89	1079
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	450	451	10.76	448
	Lalitpur TPS(3*660)	1980	927	1229	25.79	1074
	Bara(2*660)	1320	538	597	16.61	692
	Thermal (Total)	12449	6590	7068	168.26	7011
	Vishnuparyag HPS (IPP)(4*110)	440	216	256	4.90	204
	Alakanada(4*82.5)	330	83	154	3.02	126
	Other Hydro	527	248	254	3.99	166
	Cogeneration	981	100	100	2.40	100
	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	7237	7832	182.58	7607	
Uttarakhand	Other Hydro	1250	713	469	12.52	522
	Total Gas	450	292	300	7.09	295
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.49	20
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.49	20
	Total Uttarakhand	2107	1005	769	20.10	837
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	37	0.87	36
	Pragati Gas Turbine (2x104+ 1x122)	330	260	260	6.41	267
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	50	251	6.11	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	-3	-3	-0.11	-4
	Thermal (Total)	2917	343	545	13.27	553
	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	343	545	13.27	553	
HP	Baspa HPS (IPP) (3*100)	300	72	62	2.15	90
	Malana HPS (IPP) (2*43)	86	68	0	0.41	17
	Other Hydro (>25MW)	372	183	143	3.75	156
	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	141	104	2.94	122
Renewable(Total)	486	141	104	2.94	122	
Total HP	1244	464	309	9.25	385	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	236	234	5.66	236
	Other Hydro/IPP(including 98 MW Small Hydro)	308	45	23	1.46	61
	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	281	257	7	297
Total State Control Area Generation	52451	19363	19943	473.94	19748
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		5573	6306	165.13	6880
Total Regional Availability(Gross)	78288	42881	36339	926.92	38622

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8674	1365	81.00	3358
State Control Area Hydro	7468	2888	2618	52.66	2632
Total Regional Hydro	19702	11562	3984	133.66	5991

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	8844	294	501	17.13	714
Total Regional Renewable	8874	294	501	17.25	719

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 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	12.12	-12.12
765 KV Gwalior-Agra (D/C)	1539	1700	2154	0	43.20	0.00	43.20
400 KV Zerda-Kankroli	-57	-124	0	216	0.00	2.86	-2.86
400 KV Zerda-Bhinmal	-40	-134	252	74	0.00	1.64	-1.64
220 KV Auraiya-Malanpur	-74	-69	0	86	0.00	1.34	-1.34
220 KV Badod-Kota/Morak	-63	-147	0	173	0.00	2.61	-2.61
Mundra-Mohindergarh(HVDC Bipole)	1198	1199	1204	0	28.74	0.00	28.74
400 KV RAPP- Sujalpur	250	50	250	-20	3.17	0.00	3.17
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	570	720	980	0	18.40	0.00	18.40
+/- 800 kV HVDC Champa-Kurushetra	1000	1000	1000	0	23.95	0	23.95
Sub Total WR	3823	3695			117.46	20.57	96.89
400 kV Sasaram - Varanasi	201	181	201	0	4.25	0.00	4.25
400 kV Sasaram - Allahabad	37	56	85	64	1.55	0.00	1.55
400 KV MZP- GKP (D/C)	174	385	590	0	10.10	0.00	10.10
400 KV Patna-Balia(D/C) X 2	456	783	1000	0	17.94	0.00	17.94
400 KV B'Sharif-Balia (D/C)	16	40	172	0	2.15	0.00	2.15
765 KV Gaya-Balia	88	88	187	0	3.25	0.00	3.25
765 KV Gaya-Varanasi (D/C)	58	90	335	58	4.01	0.00	4.01
220 KV Pusauli-Sahupuri	127	110	129	0	4.85	0.00	4.85
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-25	-25	0	-27	0.00	-0.51	0.51
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-276	-158	21	276	0.00	2.28	-2.28
400 KV Barh -GKP (D/C)	-232	-212	0	236	0.00	4.10	-4.10
400 kV B'Sharif - Varanasi (D/C)	126	73	165	99	0.21	0.00	0.21
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	12.67	0.00	12.67
Sub Total ER	1250	1911			61.46	5.86	55.60
+/- 800 KV HVDC BiswanathCharialli-Agra	500	700	700	0.00	12.64	0.00	12.64
Sub Total NER	500	700			12.64	0.00	12.64
Total IR Exch	5573	6306			191.56	26.43	165.13

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
42.69	1.51	44.21	-5.35	-6.58	-12.45	-7.18	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
26.40	145.14	171.54	68.24	96.89	165.13	41.84	-48.26	-6.42

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	0	0	0	-21	0	0	0.05

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	0.76	20.37	77.29	75.39	4.14	0.42	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)	
Freq	Time	Freq	Time	Hz	Index				
50.12	13.03	49.75	17.41	49.95	0.060	0.060	50.03	49.84	24.61

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	404	2:48	398	10:07	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	13:01	395	18:06	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	415	6:02	403	8:47	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	1:49	408	18:10	0.0	0.0	0.0	0.0	0.0
Dadri	400	418	20:33	403	12:12	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	420	20:42	403	11:21	0.0	0.0	0.0	0.0	0.0
Bawana	400	421	20:45	406	12:13	0.0	0.0	1.1	0.0	1.1
Bassi	400	423	20:43	399	8:19	0.0	0.0	5.2	0.0	5.2
Hissar	400	419	20:41	403	8:17	0.0	0.0	0.0	0.0	0.0
Moga	400	421	20:45	406	8:51	0.0	0.0	0.6	0.0	0.6
Abdullapur	400	426	21:38	412	8:49	0.0	0.0	30.1	0.0	30.1
Nalagarh	400	429	21:43	413	11:18	0.0	0.0	41.3	0.0	41.3
Kishenpur	400	421	2:45	400	11:41	0.0	0.0	0.1	0.0	0.1
Wagoora	400	402	1:58	369	11:45	43.1	75.7	0.0	0.0	43.1
Amritsar	400	428	21:41	410	8:18	0.0	0.0	38.3	0.0	38.3
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	0:14	405	6:21	0.0	0.0	0.0	0.0	0.0

Rishikesh	400	419	5:31	400	12:11	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	13:02	755	8:13	0.0	0.0	0.0	0.0	0.0
Balia	765	772	0:00	772	0:00	0.0	0.0	0.0	0.0	0.0
Moga	765	803	20:41	768	8:52	0.0	0.0	1.4	0.0	1.4
Agra	765	794	20:32	765	8:34	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	20:29	775	8:19	0.0	0.0	3.9	0.0	3.9
Unnao	765	765	2:20	750	18:06	0.0	0.0	0.0	0.0	0.0
Lucknow	765	784	2:02	765	18:06	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	20:33	770	8:22	0.0	0.0	5.1	0.0	5.1
Jhatikara	765	802	20:39	775	8:18	0.0	0.0	1.6	0.0	1.6
Bareilly 765 kV	765	790	6:02	769	9:38	0.0	0.0	0.0	0.0	0.0
Anta	765	791	21:02	766	10:46	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	20:27	769	8:13	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	507.25	1411.35	499.21	1064.89	289.20	333.29
Pong	426.72	384.05	417.64	781.19	415.12	680.86	62.10	391.17
Tehri	829.79	740.04	823.80	1082.56	823.60	1078.33	91.19	152.00
Koteshwar	612.50	598.50	611.51	5.20	610.54	4.69	152.00	149.17
Chamera-I	760.00	748.75	754.68	0.00	0.00	0.00	69.37	74.65
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	514.79	3.40	514.23	5.84	69.95	137.75

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-436	-912	0	-537	-709	0	-11.35	-8.69	-20.03
Delhi	-296	-154	0	-156	-254	0	-6.02	-3.90	-9.91
Haryana	26	22	0	26	0	0	-1.01	0.15	-0.86
HP	129	0	0	-17	-750	0	2.25	-4.08	-1.83
J&K	162	261	0	162	-15	0	3.88	5.39	9.27
CHD	0	0	0	0	-91	0	0.00	-0.26	-0.26
Rajasthan	-101	-485	0	-101	-543	0	-2.43	-2.04	-4.48
UP	176	-68	0	214	353	0	4.66	0.44	5.10
Uttarakhand	5	-42	0	5	-385	0	0.74	-1.54	-0.80
Total	-335	-1378	0	-404	-2394	0	-9.27	-14.52	-23.80

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-436	-537	0	-912	0	0
Delhi	-126	-346	51	-518	0	0
Haryana	26	-258	26	-80	0	0
HP	208	-48	152	-750	0	0
J&K	162	162	429	-127	0	0
CHD	0	0	29	-91	0	0
Rajasthan	-101	-101	657	-1051	0	0
UP	225	151	422	-68	0	0
Uttarakhand	113	5	53	-399	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	3	17
Haryana	2	29
Rajasthan	3	31
Delhi	7	45
UP	1	17
Uttarakhand	5	39
HP	3	31
J & K	2	23
Chandigarh	5	45

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.10.2017 :

XVI. Synchronisation of new generating units :

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

I) 400/220kV 500 MVA ICT-IV first time charged at 16.09 hrs on 26.10.2017 from 400kV side on no load at Gurgaon s/s
first time charged at 15.28 hrs on 26.10.2017 from 220kV side with load at Indrapuram s/s

II) 400/220kV 500MVA ICT-I

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 : 26.10.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER