

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 25.10.2017

Date of Reporting : 26.10.2017



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
44163	1203	45365	50.01	35443	259	35702	49.98	918.88	10.10

* 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	53.15	10.19	0.00	0.07	0.00	0.13	63.54	48.61	48.75	0.14	112.29	0.00
Haryana	37.07	0.64	3.67	0.00	0.00	0.00	41.38	81.96	83.79	1.83	125.16	0.02
Rajasthan	110.05	4.26	6.12	2.87	2.75	4.64	130.68	66.78	67.25	0.46	197.93	0.00
Delhi	-0.01	0.00	13.50	0.00	0.00	0.00	13.49	62.35	61.14	-1.20	74.64	0.01
UP	171.77	10.90	0.00	0.00	0.00	1.20	183.87	123.23	123.82	0.59	307.69	0.00
Uttarakhand	0.00	12.80	7.08	0.64	0.00	0.00	20.52	12.23	13.06	0.83	33.57	0.00
HP	0.00	6.17	0.00	0.00	0.00	2.95	9.12	14.64	15.00	0.36	24.12	0.62
J & K	0.00	7.15	0.00	0.00	0.00	0.00	7.15	32.19	32.85	0.67	40.00	9.45
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.04	3.49	-0.55	3.49	0.00
Total	372.00	52.10	30.37	3.58	2.75	8.92	469.74	446.02	449.15	3.12	918.88	10.10

* 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	5734	0	-32	-942	3882	0	33	-518	5734	19	0
Haryana	6383	228	180	36	4938	0	60	58	6383	19	228
Rajasthan	8825	0	-131	-575	7860	0	129	-122	9737	8	0
Delhi	3763	0	-86	-332	2582	0	1	-410	3763	19	0
UP	14378	490	7	1063	12660	0	30	109	14515	21	0
Uttarakhand	1715	0	-60	-313	1160	0	22	-64	1715	19	0
HP	1236	0	12	-798	794	0	7	56	1379	8	0
J&K	1940	485	-4	146	1467	259	8	389	1940	19	485
Chandigarh	189	0	-18	-81	100	0	-29	0	189	19	0
Total	44163	1203	-132	-1797	35443	259	260	-503	44163	19	1203

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

Diversity is 1.03

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	1718	1869	1906	41.83	1743	41.19		0.64
Rihand I STPS (2*500)	1000	923	987	1006	21.77	907	22.10		-0.33
Rihand II STPS (2*500)	1000	943	995	1017	22.90	954	22.59		0.32
Rihand III STPS (2*500)	1000	943	1024	1019	23.00	958	22.51		0.49
Dadri I STPS (4*210)	840	500	548	490	11.23	468	11.49		-0.26
Dadri II STPS (2*490)	980	605	615	593	13.63	568	14.26		-0.64
Unchahar I TPS (2*210)	420	293	295	337	6.44	268	6.31		0.13
Unchahar II TPS (2*210)	420	278	287	297	5.72	238	5.74		-0.02
Unchahar III TPS (1*210)	210	144	154	150	3.19	133	3.25		-0.06
Unchahar IV TPS(1*500)	500	381	369	409	8.91	371	8.39		0.52
ISTPP (Jhajhar) (3*500)	1500	866	945	794	18.81	784	19.25		-0.44
Dadri GPS (4*130.19+2*154.51)	830	798	466	113	5.10	213	5.22		-0.12
Anta GPS (3*88.71+1*153.2)	419	278	176	0	1.43	59	1.73		-0.30
Auraiya GPS (4*111.19+2*109.30)	663	605	301	0	2.11	88	2.13		-0.02
Dadri Solar(5)	5	1	0	0	0.01	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	0.07		-0.01
KHEP(4*200)	800	792	866	0	4.07	170	3.75		0.32
Sub Total (A)	12612	10071	9897	8131	190	7928	190		0.21
B. NPC									
NAPS (2*220)	440	398	435	444	9.63	401	9.54		0.09
RAPS- B (2*220)	440	392	439	441	9.48	395	9.30		0.18
RAPS- C (2*220)	440	416	452	450	9.85	411	9.98		-0.13
Sub Total (B)	1320	1206	1326	1335	28.97	1207	28.82		0.14
C. NHPC									
Chamera I HPS (3*180)	540	534	544	0	2.61	109	2.49		0.12
Chamera II HPS (3*100)	300	300	300	0	2.18	91	2.13		0.05
Chamera III HPS (3*77)	231	59	230	0	1.46	61	1.42		0.04
Bairasul HPS(3*60)	180	164	122	47	0.70	29	0.54		0.17
Salal-HPS (6*115)	690	167	407	138	4.64	193	4.01		0.63
Tanakpur-HPS (3*31.4)	94	54	46	56	1.34	56	1.30		0.04
Uri-I HPS (4*120)	480	79	212	41	2.11	88	1.90		0.21
Uri-II HPS (4*60)	240	51	162	37	1.26	53	1.22		0.04
Dhauliganga-HPS (4*70)	280	95	284	71	2.33	97	2.28		0.05
Dulhasti-HPS (3*130)	390	387	400	0	5.31	221	5.00		0.31
Sewa-II HPS (3*40)	120	119	120	0	0.32	13	0.36		-0.04
Parbati 3 (4*130)	520	40	390	0	0.88	37	0.83		0.04
Sub Total (C)	4065	2048	3218	390	25	1047	23		1.67
D. SJVNL									
NJPC (6*250)	1500	1482	1479	0	12.33	514	12.07		0.26
Rampur HEP (6*68.67)	412	408	400	0	3.48	145	3.34		0.13
Sub Total (D)	1912	1890	1879	0	15.80	658	15.41		0.39
E. THDC									
Tehri HPS (4*250)	1000	988	1012	0	6.73	280	6.61		0.12
Koteshwar HPS (4*100)	400	91	102	91	2.25	94	2.19		0.06
Sub Total (E)	1400	1079	1114	91	8.98	374	8.80		0.18
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	498	1069	368	12.02	501	11.95		0.07
Dehar HPS (6*165)	990	242	495	165	6.04	252	5.82		0.22
Pong HPS (6*66)	396	280	330	198	6.76	282	6.71		0.05
Sub Total (F)	2765	1020	1894	731	24.82	1034	24.48		0.34
G. IPP(s)/JV(s)									
Allain Duhangan HPS(IPP) (2*96)	192	0	105	0	0.92	38	0.89		0.03
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	825	0	6.65	277	6.54		0.11
Malana Stg-II HPS (2*50)	100	0	11	10	0.49	20	0.51		-0.02
Shree Cement TPS (2*150)	300	0	146	148	3.51	146	3.54		-0.03
Budhil HPS(IPP) (2*35)	70	0	0	0	0.36	15	0.42		-0.06
Sainj HPS (IPP) (2*50)	100	0	0	0	0.36	15	0.79		0.00
Sub Total (G)	1762	0	1087	159	11.92	497	11.88		0.04
H. Total Regional Entities (A-G)	25837	17315	20414	10836	305.89	12745	302.91		2.98
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	-0.12	-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	-0.12	-5
	Goindwal(GVK) (2*270)	540	491	290	8.86	369
	Rajpura (2*700)	1400	660	560	15.59	650
	Talwandi Saboo (3*660)	1980	1250	1074	28.96	1207
	Thermal (Total)	6560	2401	1924	53.15	2215
	Total Hydro	1000	424	428	10.19	425
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.13	5
	Solar	859	0	0	0.07	3
	Renewable(Total)	1162	0	0	0.19	8
	Total Punjab	8722	2825	2352	63.54	2647
	Haryana	Panipat TPS (2*210+2*250)	920	171	169	4.27
DCRTPP (Yamuna nagar) (2*300)		600	472	451	8.87	370
Faridabad GPS (NTPC)(2*137.75+1*156)		432	154	153	3.67	153
RGTPP (khardar) (IPP) (2*600)		1200	556	385	9.58	399
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	627	599	14.36	598
Thermal (Total)		4497	1980	1757	40.74	1698
Total Hydro		62	22	12	0.64	27
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	2002	1769	41.38	1724
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	958	764	17.46
	suratgarh TPS (6*250)	1500	189	189	4.57	191
	Chabra TPS (4*250)	1000	948	1228	24.93	1039
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	101	101	2.58	108
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	137	145	3.54	147
	RAPS A (NPC) (1*100+1*200)	300	145	187	4.17	174
	Barsingsar (NLC) (2*125)	250	221	197	5.14	214
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	837	643	19.74	823
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1071	817	23.46	978
	Kawai(Adani) (2*660)	1320	616	622	14.74	614
	Thermal (Total)	9536	5223	4893	120.34	5014
	Total Hydro	550	188	156	4.26	177
	Wind power	4292	14	75	2.75	114
	Biomass	102	20	20	0.47	20
	Solar	1995	7	0	2.87	120
	Renewable/Others (Total)	6389	41	95	6.09	254
Total Rajasthan	16475	5452	5144	130.68	5445	
UP	Anpara TPS (3*210+2*500)	1630	1170	1168	29.48	1228
	Obra TPS (2*50+2*94+5*200)	1194	445	475	10.98	458
	Paricha TPS (2*110+2*220+2*250)	1160	776	728	15.12	630
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	419	367	8.54	356
	Tanda TPS (NTPC) (4*110)	440	354	394	7.95	331
	Roza TPS (IPP) (4*300)	1200	950	965	21.10	879
	Anpara-C (IPP) (2*600)	1200	1064	1107	26.20	1092
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	451	440	10.73	447
	Lalitpur TPS(3*660)	1980	1237	1230	27.56	1148
	Bara(2*660)	1320	596	578	14.11	588
	Thermal (Total)	12449	7462	7452	171.77	7157
	Vishnuparyag HPS (IPP)(4*110)	440	211	206	4.98	207
	Alakanada(4*82.5)	330	83	85	3.02	126
	Other Hydro	527	265	38	2.90	121
	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	8071	7831	183.87	7661	
Uttarakhand	Other Hydro	1250	786	498	12.80	533
	Total Gas	450	293	301	7.08	295
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.64	27
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.64	27
	Total Uttarakhand	2107	1079	799	20.52	855
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	34	35	0.85	35
	Pragati Gas Turbine (2x104+ 1x122)	330	265	265	6.45	269
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.21	259
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	549	550	13.49	562
	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	549	550	13.49	562	
HP	Baspa HPS (IPP) (3*100)	300	120	65	2.10	88
	Malana HPS (IPP) (2*43)	86	66	0	0.49	21
	Other Hydro (>25MW)	372	189	123	3.57	149
	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	137	124	2.95	123
Renewable(Total)	486	137	124	2.95	123	
Total HP	1244	512	311	9.12	380	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	236	236	5.68	237
	Other Hydro/IPP(including 98 MW Small Hydro)	308	106	42	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	342	278	7	298
Total State Control Area Generation	52451	20833	19034	469.74	19572
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		5594	6855.14	162.66	6778
Total Regional Availability(Gross)	78288	46841	36726	938.29	39095

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9912	1222	87.22	3619
State Control Area Hydro	7468	3126	2313	52.10	2615
Total Regional Hydro	19702	13038	3535	139.32	6234

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	8844	178	219	9.87	411
Total Regional Renewable	8874	178	219	9.99	416

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	12.20	-12.20
765 KV Gwalior-Agra (D/C)	1528	1971	2216	0	43.13	0.00	43.13
400 KV Zerda-Kankroli	-101	-14	0	177	0.00	1.50	-1.50
400 KV Zerda-Bhimnal	0	81	115	-167	0.22	0.00	0.22
220 KV Auraiya-Malanpur	-152	-55	0	153	0.00	1.61	-1.61
220 KV Badod-Kota/Morak	-67	-83	0	152	0.00	1.96	-1.96
Mundra-Mohindergarh(HVDC Bipole)	1198	1199	1203	0	29.05	0.00	29.05
400 KV RAPP- Sujalpur	197	190	300	0	4.17	0.00	4.17
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	531	894	1214	0	19.70	0.00	19.70
+/- 800 kV HVDC Champa-Kurushetra	1200	800	3000	0	22.18	0	22.18
Sub Total WR	3834	4483			118.46	17.26	101.20
400 kV Sasaram - Varanasi	208	188	212	0	4.38	0.00	4.38
400 kV Sasaram - Allahabad	25	54	84	0	1.39	0.00	1.39
400 KV MZP- GKP (D/C)	91	412	567	0	9.97	0.00	9.97
400 KV Patna-Balia(D/C) X 2	566	578	904	0	19.79	0.00	19.79
400 KV B'Sharif-Balia (D/C)	83	81	102	118	1.53	0.00	1.53
765 KV Gaya-Balia	11	120	0	171	2.93	0.00	2.93
765 KV Gaya-Varanasi (D/C)	205	147	205	316	3.25	0.00	3.25
220 KV Pusauli-Sahupuri	137	116	137	0	2.88	0.00	2.88
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-19	-27	0	27	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-295	-150	0	317	0.00	3.05	-3.05
400 KV Barh -GKP (D/C)	-272	-196	0	272	0.00	4.12	-4.12
400 kV B'Sharif - Varanasi (D/C)	220	49	236	114	0.83	0.00	0.83
+/- 800 KV HVDC Alipurduar-Agra	300	300	300	0	11.12	0.00	11.12
Sub Total ER	1260	1672			58.07	7.70	50.38
+/- 800 KV HVDC BiswanathCharialli-Agra	500	700	700	0.00	11.09	0.00	11.09
Sub Total NER	500	700			11.09	0.00	11.09
Total IR Exch	5594	6855			187.62	24.96	162.66

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
38.75	1.58	40.34	-5.42	-6.58	-6.39	-1.72	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
28.53	149.16	177.69	61.47	101.20	162.66	32.94	-47.96	-15.02

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	-7	0	0	-21	0	0	0.08

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	1.31	23.88	75.69	70.69	5.25	0.41	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	22.01	49.76	10.28	49.95	0.069	0.065	50.07	49.82	29.31

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	406	14:32	400	18:07	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	6:02	397	17:47	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	5:33	401	10:28	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	4:01	407	10:25	0.0	0.0	0.0	0.0	0.0
Dadri	400	416	21:57	402	10:29	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	421	21:59	401	10:26	0.0	0.0	0.2	0.0	0.2
Bawana	400	420	21:58	404	10:50	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	21:49	396	8:24	0.0	0.0	5.6	0.0	5.6
Hissar	400	419	21:52	401	8:26	0.0	0.0	0.0	0.0	0.0
Moga	400	420	21:20	405	12:11	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	425	21:50	410	8:23	0.0	0.0	10.9	0.0	10.9
Nalagarh	400	425	21:42	411	18:07	0.0	0.0	31.1	0.0	31.1
Kishenpur	400	423	4:01	399	18:08	0.0	0.0	9.1	0.0	9.1
Wagoora	400	407	4:01	368	18:13	39.7	74.2	0.0	0.0	39.7
Amritsar	400	427	21:58	409	11:49	0.0	0.0	31.4	0.0	31.4
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	21:57	406	18:11	0.0	0.0	1.6	0.0	1.6

Rishikesh	400	418	21:32	400	10:28	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	21:57	755	10:24	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	21:32	768	8:26	0.0	0.0	0.5	0.0	0.5
Agra	765	795	21:57	764	9:49	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	21:19	772	8:26	0.0	0.0	3.4	0.0	3.4
Unnao	765	767	6:02	749	11:20	0.0	0.0	0.0	0.0	0.0
Lucknow	765	788	6:02	766	18:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	21:26	765	9:17	0.0	0.0	4.4	0.0	4.4
Jhatikara	765	801	21:29	769	10:28	0.0	0.0	0.8	0.0	0.8
Bareilly 765 kV	765	790	6:02	767	10:26	0.0	0.0	0.0	0.0	0.0
Anta	765	792	21:47	762	10:24	0.0	0.0	0.0	0.0	0.0
Phagi	765	799	20:55	763	8:27	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	507.27	1411.35	499.35	1064.89	240.66	339.83
Pong	426.72	384.05	417.76	794.52	415.14	680.86	55.56	400.29
Tehri	829.79	740.04	823.95	1085.73	823.75	1081.50	90.65	147.00
Koteshwar	612.50	598.50	611.29	5.20	609.96	4.45	147.00	148.02
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	75.00	70.60
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	514.91	3.36	514.55	5.02	78.21	137.50

* 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	-83	0	-537	-405	0	-11.07	-3.66	-14.73
Delhi	-220	-189	0	-154	-178	0	-5.82	-1.59	-7.41
Haryana	26	32	0	26	10	0	-1.01	0.52	-0.50
HP	56	0	0	-18	-780	0	1.95	-3.80	-1.85
J&K	162	227	0	162	-15	0	3.88	4.89	8.77
CHD	0	0	0	0	-81	0	0.00	-0.15	-0.15
Rajasthan	-101	-21	0	-101	-473	0	-2.43	-0.40	-2.83
UP	177	-68	0	216	846	0	4.76	3.02	7.78
Uttarakhand	5	-69	0	5	-318	0	0.47	-1.56	-1.09
Total	-332	-171	0	-402	-1395	0	-9.28	-2.73	-12.01

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-436	-537	0	-709	0	0
Delhi	-144	-397	147	-270	0	0
Haryana	26	-258	36	10	0	0
HP	257	-18	125	-792	0	0
J&K	162	162	355	-147	0	0
CHD	0	0	34	-81	0	0
Rajasthan	-101	-101	439	-1056	0	0
UP	227	153	911	-68	0	0
Uttarakhand	64	5	89	-352	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	19
Rajasthan	1	18
Delhi	6	34
UP	0	11
Uttarakhand	4	26
HP	2	22
J & K	2	21
Chandigarh	2	27

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.10.2017 :

XVI. Synchronisation of new generating units :

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

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 : 25.10.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER