

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 30.10.2017

Date of Reporting : 31.10.2017



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
40983	2061	43044	49.98	32181	257	32438	50.02	872.47	11.25

* 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	43.87	10.35	0.00	0.04	0.00	0.17	54.43	47.47	47.11	-0.36	101.54	0.00
Haryana	26.59	0.55	3.84	0.00	0.00	0.00	30.98	85.52	86.91	1.39	117.89	0.00
Rajasthan	107.24	4.32	6.90	2.87	1.30	4.82	127.45	67.73	68.82	1.10	196.27	0.00
Delhi	0.00	0.00	13.22	0.00	0.00	0.00	13.22	57.44	56.71	-0.73	69.93	0.00
UP	157.63	8.20	0.00	0.00	0.00	2.40	168.23	117.30	117.86	0.56	286.08	1.99
Uttarakhand	0.00	11.78	6.97	0.63	0.00	0.00	19.38	14.45	14.37	-0.08	33.75	0.00
HP	0.00	5.94	0.00	0.00	0.00	2.68	8.62	15.44	16.65	1.21	25.27	0.00
J & K	0.00	5.32	0.00	0.00	0.00	0.00	5.32	33.10	33.22	0.12	38.54	9.26
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.95	3.19	-0.76	3.19	0.00
Total	335.33	46.47	30.93	3.54	1.30	10.07	427.63	442.40	444.84	2.43	872.47	11.25

* 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	4850	0	-20	-1252	3373	0	-238	-438	4869	8	0
Haryana	6484	0	174	40	4257	0	228	40	6484	19	0
Rajasthan	8775	0	64	-1052	7337	0	-30	-18	9513	8	0
Delhi	3600	0	-70	-321	2164	0	-49	-682	3600	19	0
UP	12181	1585	-82	191	11693	0	-70	123	12870	10	0
Uttarakhand	1741	0	40	-82	1038	0	-77	7	1764	18	0
HP	1279	0	47	-653	774	0	35	130	1425	8	0
J&K	1902	476	111	202	1458	257	-43	467	1902	19	476
Chandigarh	172	0	-37	-100	86	0	-44	0	172	19	0
Total	40983	2061	226	-3028	32181	257	-288	-372	40983	19	2061

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

Diversity is 1.04

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	1657	1892	1650	40.13	1672	39.25	0.88
Rihand I STPS (2*500)	1000	923	1003	991	21.43	893	21.39	0.04
Rihand II STPS (2*500)	1000	943	1031	965	22.22	926	21.76	0.47
Rihand III STPS (2*500)	1000	943	924	923	21.69	904	21.39	0.30
Dadri I STPS (4*210)	840	769	467	336	8.85	369	9.01	-0.16
Dadri II STPS (2*490)	980	929	905	520	15.30	638	16.06	-0.76
Unchahar I TPS (2*210)	420	160	124	133	2.89	121	2.69	0.21
Unchahar II TPS (2*210)	420	383	316	233	5.73	239	5.92	-0.19
Unchahar III TPS (1*210)	210	192	184	117	2.80	117	2.87	-0.07
Unchahar IV TPS(1*500)	500	450	457	307	9.49	395	9.25	0.24
ISTPP (Jhajhar) (3*500)	1500	948	749	566	14.87	620	15.08	-0.22
Dadri GPS (4*130.19+2*154.51)	830	802	188	160	3.91	163	4.01	-0.10
Anta GPS (3*88.71+1*153.2)	419	389	0	0	0.08	3	0.00	0.08
Auraiya GPS (4*111.19+2*109.30)	663	620	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	0.03	1	0.05	-0.02
Singrauli Solar(15)	15	3	0	0	0.01	0	0.06	-0.06
KHEP(4*200)	800	792	842	0	4.36	182	4.00	0.36
Sub Total (A)	12612	10902	9082	6901	174	7242	173	0.99
B. NPC								
NAPS (2*220)	440	439	432	442	9.59	400	10.46	-0.87
RAPS- B (2*220)	440	395	435	440	9.48	395	9.37	0.11
RAPS- C (2*220)	440	430	450	450	9.84	410	10.32	-0.48
Sub Total (B)	1320	1264	1317	1332	28.91	1205	30.15	-1.24
C. NHPC								
Chamera I HPS (3*180)	540	534	547	0	2.47	103	2.30	0.17
Chamera II HPS (3*100)	300	291	300	0	1.98	82	1.90	0.08
Chamera III HPS (3*77)	231	54	231	0	1.34	56	1.29	0.05
Bairasul HPS(3*60)	180	122	124	0	0.64	27	0.55	0.09
Salal-HPS (6*115)	690	140	450	105	3.85	160	3.37	0.48
Tanakpur-HPS (3*31.4)	94	48	44	53	1.24	52	1.15	0.09
Uri-I HPS (4*120)	480	89	210	80	2.53	106	2.13	0.40
Uri-II HPS (4*60)	240	55	78	162	1.41	59	1.32	0.09
Dhauliganga-HPS (4*70)	280	85	280	0	2.05	86	2.03	0.02
Dulhasti-HPS (3*130)	390	387	134	0	5.84	243	5.50	0.34
Sewa-II HPS (3*40)	120	119	120	0	0.32	13	0.36	-0.04
Parbati 3 (4*130)	520	35	260	0	0.79	33	0.77	0.02
Sub Total (C)	4065	1957	2778	399	24	1019	23	1.79
D. SJVNL								
NJPC (6*250)	1500	1482	1484	0	11.54	481	11.36	0.18
Rampur HEP (6*68.67)	412	408	407	0	3.28	136	3.17	0.11
Sub Total (D)	1912	1890	1891	0	14.82	617	14.53	0.29
E. THDC								
Tehri HPS (4*250)	1000	988	974	0	6.76	282	6.65	0.11
Koteshwar HPS (4*100)	400	91	101	91	2.24	93	2.19	0.05
Sub Total (E)	1400	1079	1075	91	8.99	375	8.84	0.15
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	486	1065	338	11.69	487	11.66	0.04
Dehar HPS (6*165)	990	206	495	165	5.16	215	4.95	0.21
Pong HPS (6*66)	396	283	330	198	6.79	283	6.79	-0.01
Sub Total (F)	2765	975	1890	701	23.64	985	23.40	0.24
G. IPP(s)/JV(s)								
Allain DuhanganHPS(IPP) (2*96)	192	0	111	0	0.79	33	0.77	0.03
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	825	0	6.20	258	6.16	0.03
Malana Stg-II HPS (2*50)	100	0	10	10	0.43	18	0.44	-0.01
Shree Cement TPS (2*150)	300	0	147	146	3.54	147	3.70	-0.16
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	0.67	0.67	0.67	0.00
Sub Total (G)	1762	0	1083	156	11.31	471	11.49	-0.18
H. Total Regional Entities (A-G)	25837	18067	19116	9580	285.93	11914	283.89	2.04
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	0	0	0.00	0	
	Goindwal(GVK) (2*270)	540	145	145	3.71	155	
	Rajpura (2*700)	1400	660	330	13.88	578	
	Talwandi Saboo (3*660)	1980	924	924	26.28	1095	
	Thermal (Total)	6560	1729	1399	43.87	1828	
	Total Hydro	1000	432	432	10.35	431	
	Wind Power	0	0	0	0.00	0	
	Biomass	303	0	0	0.17	7	
	Solar	859	0	0	0.04	2	
	Renewable(Total)	1162	0	0	0.21	9	
	Total Punjab	8722	2161	1831	54.43	2268	
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
		DCRTPP (Yamuna nagar) (2*300)	600	220	224	5.28	220
Faridabad GPS (NTPC)(2*137.75+1*156)		432	155	162	3.84	160	
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	739	1171	21.31	888	
Thermal (Total)		4497	1114	1557	30.44	1268	
Total Hydro		62	17	10	0.55	23	
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	1131	1567	30.98	1291	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1157	907	24.67	1028
		suratgarh TPS (6*250)	1500	445	371	9.12	380
	Chabra TPS (4*250)	1000	929	775	21.46	894	
	Chabra TPS (1*660)	660	0	0	0.00	0	
	Dholpur GPS (3*110)	330	112	101	2.56	107	
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	181	130	4.33	181	
	RAPS A (NPC) (1*100+1*200)	300	147	248	4.20	175	
	Barsingar (NLC) (2*125)	250	0	0	0.00	0	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	723	621	16.85	702	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	892	748	20.53	856	
	Kawai(Adani) (2*660)	1320	611	614	14.60	608	
	Thermal (Total)	9536	5197	4515	118.33	4931	
	Total Hydro	550	181	192	4.32	180	
Wind power	4292	29	105	1.30	54		
Biomass	102	26	26	0.63	26		
Solar	1995	4	0	2.87	120		
Renewable/Others (Total)	6389	59	131	4.79	200		
Total Rajasthan	16475	5437	4838	127.45	5311		
UP	Anpara TPS (3*210+2*500)	1630	1181	1170	29.40	1225	
	Obra TPS (2*50+2*94+5*200)	1194	594	600	14.20	592	
	Paricha TPS (2*110+2*220+2*250)	1160	587	592	14.70	613	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaganj TPS (1*60+1*105+2*250)	665	313	315	8.20	342	
	Tanda TPS (NTPC) (4*110)	440	272	274	7.13	297	
	Roza TPS (IPP) (4*300)	1200	762	892	20.90	871	
	Anpara-C (IPP) (2*600)	1200	550	546	13.20	550	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0	
	Anpara-D(2*500)	1000	448	444	10.70	446	
	Lalitpur TPS(3*660)	1980	1041	1226	25.90	1079	
	Bara(2*660)	1320	577	574	13.30	554	
	Thermal (Total)	12449	6325	6633	157.63	6568	
	Vishnuparyag HPS (IPP)(4*110)	440	172	177	4.20	175	
	Alakanada(4*82.5)	330	82	166	2.70	113	
Other Hydro	527	84	32	1.30	54		
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	6763	7108	168.23	7010		
Uttarakhand	Other Hydro	1250	723	369	11.78	491	
	Total Gas	450	286	296	6.97	290	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	100	0	0	0.63	26	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	407	0	0	0.63	26	
	Total Uttarakhand	2107	1009	665	19.38	808	
	Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
		Delhi Gas Turbine (6x30 + 3x34)	282	36	71	1.08	45
Pragati Gas Turbine (2x104+ 1x122)		330	259	263	6.38	266	
Rithala GPS (3*36)		95	0	0	0.00	0	
Bawana GPS (4*216+2*253)		1370	249	223	5.75	240	
Badarpur TPS (NTPC) (3*95+2*210)		705	0	0	0.00	0	
Thermal (Total)		2917	544	557	13.22	551	
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	544	557	13.22	551		
HP	Baspa HPS (IPP) (3*100)	300	82	51	2.00	83	
	Malana HPS (IPP) (2*43)	86	84	0	0.45	19	
	Other Hydro (>25MW)	372	162	122	3.49	145	
	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	128	102	2.68	112	
Renewable(Total)	486	128	102	2.68	112		
Total HP	1244	457	275	8.62	359		
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	216	215	5.18	216	
	Other Hydro/IPP(including 98 MW Small Hydro)	308	55	23	0.15	6	
	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	271	238	5	222
Total State Control Area Generation	52451	17773	17079	427.63	17818
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6581	8113	188.37	7849
Total Regional Availability(Gross)	78288	43470	34772	901.93	37580

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9412	1201	84.05	3487
State Control Area Hydro	7468	2705	2187	46.47	2364
Total Regional Hydro	19702	12117	3389	130.51	5852

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.05	2
State Control Area Renewable	8844	187	233	8.31	346
Total Regional Renewable	8874	187	233	8.36	348

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	-350	0	500	0.00	10.72	-10.72
765 KV Gwalior-Agra (D/C)	1402	2235	2255	0	46.95	0.00	46.95
400 KV Zerda-Kankroli	125	20	184	119	1.26	0.00	1.26
400 KV Zerda-Bhimnal	-59	153	120	249	0.00	1.20	-1.20
220 KV Auraiya-Malanpur	-92	-45	0	92	0.00	1.27	-1.27
220 KV Badod-Kota/Morak	-104	-84	3	189	0.00	2.42	-2.42
Mundra-Mohindergarh(HVDC Bipole)	2003	1001	2015	0	37.34	0.00	37.34
400 KV RAPP- Sujalpur	156	176	361	0	4.38	0.00	4.38
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	391	1181	1214	0	22.61	0.00	22.61
+/- 800 kV HVDC Champa-Kurushetra	1500	1000	1500	0	27.78	0	27.78
Sub Total WR	4822	5287			140.31	15.61	124.71
400 kV Sasaram - Varanasi	59	205	211	0	4.46	0.00	4.46
400 kV Sasaram - Allahabad	59	32	79	0	1.44	0.00	1.44
400 KV MZP- GKP (D/C)	113	360	513	0	8.83	0.00	8.83
400 KV Patna-Balia(D/C) X 2	491	616	804	0	15.44	0.00	15.44
400 KV B' Sharif-Balia (D/C)	-49	65	136	0	1.63	0.00	1.63
765 KV Gaya-Balia	15	210	210	0	3.42	0.00	3.42
765 KV Gaya-Varanasi (D/C)	166	216	349	207	4.54	0.00	4.54
220 KV Pusauli-Sahupuri	93	144	144	0	1.89	0.00	1.89
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-32	-25	0	32	0.00	0.65	-0.65
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-286	-127	60	286	0.00	2.08	-2.08
400 KV Barh -GKP (D/C)	-246	-186	0	280	0.00	3.84	-3.84
400 kV B' Sharif - Varanasi (D/C)	176	116	190	126	0.71	0.00	0.71
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	13.95	0.00	13.95
Sub Total ER	1059	2126			56.32	6.56	49.75
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	700	0.00	13.91	0.00	13.91
Sub Total NER	700	700			13.91	0.00	13.91
Total IR Exch	6581	8113			210.54	22.17	188.37

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
42.57	1.30	43.87	-7.12	-6.58	-4.83	-8.66	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
31.91	149.61	181.52	63.66	124.71	188.37	31.75	-24.90	6.85

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	-20	0	0	20	0	0	-0.10

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	0.06	7.85	60.26	82.01	9.11	1.08	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	49.79	5.20	49.98	0.036	0.057	50.07	49.85	17.99

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	409	13:01	402	17:37	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	13:01	401	17:56	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	20:21	397	17:37	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	13:01	410	8:20	0.0	0.0	0.0	0.0	0.0
Dadri	400	419	20:46	406	9:44	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	420	4:02	407	9:15	0.0	0.0	0.0	0.0	0.0
Bawana	400	421	20:59	407	18:09	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	20:09	394	5:56	0.0	0.0	0.6	0.0	0.6
Hissar	400	418	13:02	402	18:11	0.0	0.0	0.0	0.0	0.0
Moga	400	423	2:00	408	18:06	0.0	0.0	14.3	0.0	14.3
Abdullapur	400	426	21:30	407	18:13	0.0	0.0	42.3	0.0	42.3
Nalagarh	400	432	2:00	411	18:08	0.0	0.0	59.6	7.5	59.6
Kishenpur	400	426	1:36	402	18:07	0.0	0.0	17.9	0.0	17.9
Wagoora	400	413	8:07	375	18:09	2.5	43.6	0.0	0.0	2.5
Amritsar	400	430	2:00	413	6:44	0.0	0.0	51.7	0.0	51.7
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	411	0:00	411	0:00	0.0	0.0	0.0	0.0	0.0

Rishikesh	400	422	20:21	402	9:45	0.0	0.0	0.5	0.0	0.5
-----------	-----	-----	-------	-----	------	-----	-----	-----	-----	-----

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	784	13:01	758	8:22	0.0	0.0	0.0	0.0	0.0
Balia	765	787	13:02	768	18:08	0.0	0.0	0.0	0.0	0.0
Moga	765	805	13:02	774	6:44	0.0	0.0	2.7	0.0	2.7
Agra	765	796	13:02	763	8:36	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	806	13:01	781	5:44	0.0	0.0	15.6	0.0	15.6
Unnao	765	772	20:41	757	9:49	0.0	0.0	0.0	0.0	0.0
Lucknow	765	788	13:00	773	18:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	20:21	776	6:47	0.0	0.0	16.8	0.0	16.8
Jhatikara	765	803	13:02	776	8:40	0.0	0.0	0.5	0.0	0.5
Bareilly 765 kV	765	795	20:21	772	9:46	0.0	0.0	0.0	0.0	0.0
Anta	765	789	13:04	765	17:39	0.0	0.0	0.0	0.0	0.0
Phagi	765	0	0:00	0	0:00	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	507.09	1411.35	498.81	1041.47	250.35	321.99
Pong	426.72	384.05	417.09	755.83	414.79	668.52	81.04	408.39
Tehri	829.79	740.04	823.30	1071.99	823.00	1065.64	67.68	148.00
Koteshwar	612.50	598.50	611.79	5.46	610.45	4.69	148.00	147.42
Chamera-I	760.00	748.75	754.75	0.00	0.00	0.00	72.20	66.92
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	514.28	3.59	513.45	4.74	68.89	145.95

* 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 (MU)	PXIL (MU)	Total (MU)
Punjab	-438	0	0	-540	-713	0	-11.12	-3.08	-14.20	
Delhi	-430	-252	0	-156	-165	0	-7.55	-6.65	-14.20	
Haryana	23	16	0	23	17	0	-1.08	-0.43	-1.51	
HP	130	0	0	-17	-636	0	2.28	-3.08	-0.80	
J&K	163	304	0	163	39	0	3.91	5.64	9.55	
CHD	0	0	0	0	-100	0	0.00	-0.22	-0.22	
Rajasthan	-102	84	0	-102	-950	0	-2.45	-0.40	-2.84	
UP	144	-21	0	211	-21	0	4.41	-0.50	3.90	
Uttarakhand	5	2	0	5	-87	0	0.46	0.00	0.47	
Total	-505	133	0	-412	-2616	0	-11.13	-8.71	-19.84	

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-438	-540	0	-713	0	0
Delhi	-107	-430	-14	-850	0	0
Haryana	23	-262	19	-776	0	0
HP	208	-68	198	-636	0	0
J&K	163	163	412	-138	0	0
CHD	0	0	24	-100	0	0
Rajasthan	-102	-102	986	-950	0	0
UP	221	127	-21	-21	0	0
Uttarakhand	63	5	188	-387	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%
----------------	-------

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	0	10
Haryana	1	24
Rajasthan	1	15
Delhi	2	20
UP	1	16
Uttarakhand	2	20
HP	6	83
J & K	1	13
Chandigarh	4	40

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 30.10.2017 :

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 : 30.10.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER