

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 31.10.2017

Date of Reporting : 01.11.2017



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
41158	1978	43136	50.02	32343	437	32781	50.00	878.58	12.70

* 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	46.68	10.04	0.00	0.03	0.00	0.15	56.90	46.69	45.88	-0.81	102.78	0.00
Haryana	26.07	0.61	4.19	0.00	0.00	0.00	30.86	86.18	87.76	1.58	118.62	0.00
Rajasthan	106.63	4.38	7.03	0.24	2.41	4.81	125.50	71.65	74.13	2.48	199.64	1.13
Delhi	-0.07	0.00	11.55	0.00	0.00	0.00	11.48	58.12	57.51	-0.61	68.99	0.01
UP	159.39	8.30	0.00	0.00	0.00	2.40	170.09	115.03	115.36	0.33	285.45	2.00
Uttarakhand	0.00	11.81	7.02	0.52	0.00	0.00	19.34	14.80	14.76	-0.04	34.10	0.00
HP	0.00	5.79	0.00	0.00	0.00	2.64	8.43	15.95	16.73	0.78	25.16	0.03
J & K	0.00	6.87	0.00	0.00	0.00	0.00	6.87	33.18	33.77	0.58	40.64	9.53
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.93	3.21	-0.72	3.21	0.00
Total	338.70	47.79	29.78	0.78	2.41	10.00	429.47	445.54	449.11	3.57	878.58	12.70

* 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	5201	0	-30	-1354	3430	0	-86	-540	5201	19	0
Haryana	6241	0	-57	-164	4271	0	32	50	6241	19	0
Rajasthan	8833	0	-63	-761	7733	0	282	-15	9721	8	183
Delhi	3602	0	22	-599	2149	0	-64	-748	3602	19	0
UP	12226	1495	-384	207	11239	180	70	154	12668	20	175
Uttarakhand	1718	0	-69	-2	1171	0	-42	48	1718	19	0
HP	1238	0	-1	-698	806	0	5	179	1407	8	0
J&K	1930	483	43	211	1459	257	56	407	1930	19	483
Chandigarh	170	0	-38	-91	86	0	-38	0	170	19	0
Total	41158	1978	-577	-3253	32343	437	215	-464	41158	19	1978

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

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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	1569	1683	1730	38.25	1594	37.44		0.80
Rihand I STPS (2*500)	1000	923	995	995	22.16	923	22.00		0.17
Rihand II STPS (2*500)	1000	943	1023	1021	23.05	960	22.43		0.62
Rihand III STPS (2*500)	1000	943	964	1019	22.80	950	22.22		0.58
Dadri I STPS (4*210)	840	769	372	338	8.45	352	8.84		-0.39
Dadri II STPS (2*490)	980	929	516	540	15.40	642	15.85		-0.46
Unchahar I TPS (2*210)	420	160	127	132	3.10	129	2.98		0.12
Unchahar II TPS (2*210)	420	383	285	235	6.61	275	6.71		-0.10
Unchahar III TPS (1*210)	210	192	141	116	3.31	138	3.35		-0.04
Unchahar IV TPS(1*500)	500	446	403	344	9.26	386	8.92		0.34
ISTPP (Jhajhar) (3*500)	1500	992	845	589	15.67	653	15.98		-0.32
Dadri GPS (4*130.19+2*154.51)	830	796	178	120	3.96	165	4.12		-0.16
Anta GPS (3*88.71+1*153.2)	419	397	0	0	0.00	0	0.00		0.00
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	0.01	0	0.01		0.00
Unchahar Solar(10)	10	2	0	0	0.04	2	0.05		-0.01
Singrauli Solar(15)	15	2	0	0	0.06	3	0.06		0.00
KHEP(4*200)	800	792	865	196	4.32	180	4.00		0.32
Sub Total (A)	12612	10856	8397	7375	176	7352	175		1.47
B. NPC									
NAPS (2*220)	440	439	429	445	9.60	400	10.46		-0.86
RAPS- B (2*220)	440	396	435	443	9.49	395	9.39		0.10
RAPS- C (2*220)	440	425	450	450	9.87	411	10.20		-0.33
Sub Total (B)	1320	1260	1314	1338	28.95	1206	30.05		-1.09
C. NHPC									
Chamera I HPS (3*180)	540	534	549	0	2.44	102	2.30		0.14
Chamera II HPS (3*100)	300	300	297	0	1.64	68	1.55		0.09
Chamera III HPS (3*77)	231	54	228	0	1.16	48	1.09		0.07
Bairasul HPS(3*60)	180	122	125	50	0.65	27	0.50		0.15
Salat-HPS (6*115)	690	140	450	120	4.16	173	3.37		0.79
Tanakpur-HPS (3*31.4)	94	48	52	50	1.25	52	1.15		0.10
Uri-I HPS (4*120)	480	65	210	53	1.75	73	1.56		0.19
Uri-II HPS (4*60)	240	51	160	35	1.30	54	1.22		0.09
Dhauliganga-HPS (4*70)	280	84	280	0	2.07	86	2.01		0.05
Dulhasti-HPS (3*130)	390	387	400	0	5.80	242	5.50		0.30
Sewa-II HPS (3*40)	120	119	123	0	0.31	13	0.36		-0.05
Parbati 3 (4*130)	520	32	259	0	0.82	34	0.77		0.05
Sub Total (C)	4065	1935	3133	308	23	973	21		1.98
D.SJVNL									
NJPC (6*250)	1500	1482	1500	0	12.26	511	12.00		0.26
Rampur HEP (6*68.67)	412	408	391	0	3.49	145	3.32		0.17
Sub Total (D)	1912	1890	1891	0	15.75	656	15.32		0.43
E. THDC									
Tehri HPS (4*250)	1000	988	993	0	6.28	261	6.15		0.13
Koteshwar HPS (4*100)	400	91	96	92	2.23	93	2.19		0.04
Sub Total (E)	1400	1079	1089	92	8.51	355	8.34		0.17
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	496	1062	338	11.90	496	11.91		-0.01
Dehar HPS (6*165)	990	213	660	165	5.33	222	5.11		0.22
Pong HPS (6*66)	396	266	330	132	6.38	266	6.39		0.00
Sub Total (F)	2765	975	2052	635	23.61	984	23.41		0.20
G. IPP(s)/JV(s)									
Allain DuhanganHPS(IPP) (2*96)	192	0	79	0	0.79	33	0.77		0.02
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	825	0	6.49	270	6.40		0.08
Malana Stg-II HPS (2*50)	100	0	10	0	0.45	19	0.44		0.00
Shree Cement TPS (2*150)	300	0	149	148	3.52	147	3.55		-0.03
Budhil HPS(IPP) (2*35)	70	0	35	0	0.36	15	0.42		-0.06
Sainj HPS (IPP) (2*50)	100	0					0.67		
Sub Total (G)	1762	0	1088	159	11.59	483	11.57		0.02
H. Total Regional Entities (A-G)	25837	17996	18964	9907	288.20	12008	285.03		3.17
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	-0.10	-4
	Goindwal(GVK) (2*270)	540	145	145	3.74	156
	Rajpura (2*700)	1400	660	330	14.03	585
	Talwandi Saboo (3*660)	1980	1200	924	29.14	1214
	Thermal (Total)	6560	2005	1399	46.68	1945
	Total Hydro	1000	431	413	10.04	419
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.15	6
	Solar	859	0	0	0.03	1
	Renewable(Total)	1162	0	0	0.18	7
	Total Punjab	8722	2436	1812	56.90	2371
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	232	229	5.39	224
Faridabad GPS (NTPC)(2*137.75+1*156)		432	173	192	4.19	174
RGTPP (kheadar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1233	752	20.68	862
Thermal (Total)		4497	1638	1173	30.26	1261
Total Hydro		62	12	18	0.61	25
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	1650	1191	30.86	1286
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1099	915	24.82
	suratgarh TPS (6*250)	1500	359	368	9.40	391
	Chabra TPS (4*250)	1000	916	739	19.02	793
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	102	100	2.62	109
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	177	181	4.41	184
	RAPS A (NPC) (1*100+1*200)	300	152	194	4.21	175
	Barsingar (NLC) (2*125)	250	0	0	0.12	5
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	722	721	17.59	733
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	894	870	21.07	878
	Kawai(Adani) (2*660)	1320	613	612	14.62	609
	Thermal (Total)	9536	5034	4700	117.87	4911
	Total Hydro	550	177	151	4.38	182
	Wind power	4292	52	76	2.41	101
	Biomass	102	25	25	0.60	25
	Solar	1995	4	0	0.24	10
	Renewable/Others (Total)	6389	81	101	3.25	136
Total Rajasthan	16475	5292	4952	125.50	5229	
UP	Anpara TPS (3*210+2*500)	1630	1169	1181	29.40	1225
	Obra TPS (2*50+2*94+5*200)	1194	588	628	14.80	617
	Paricha TPS (2*110+2*220+2*250)	1160	589	584	14.70	613
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	314	317	8.20	342
	Tanda TPS (NTPC) (4*110)	440	266	272	7.39	308
	Roza TPS (IPP) (4*300)	1200	746	751	20.00	833
	Anpara-C (IPP) (2*600)	1200	527	546	13.10	546
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	448	442	10.80	450
	Lalitpur TPS(3*660)	1980	1234	915	27.40	1142
	Bara(2*660)	1320	551	574	13.60	567
	Thermal (Total)	12449	6432	6210	159.39	6641
	Vishnuparyag HPS (IPP)(4*110)	440	177	177	4.20	175
	Alakanada(4*82.5)	330	82	165	2.70	113
	Other Hydro	527	84	32	1.40	58
	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	6875	6684	170.09	7087	
Uttarakhand	Other Hydro	1250	744	407	11.81	492
	Total Gas	450	289	297	7.02	292
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.52	22
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.52	22
	Total Uttarakhand	2107	1033	704	19.34	806
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	37	0.89	37
	Pragati Gas Turbine (2x104+ 1x122)	330	153	262	5.25	219
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	232	219	5.41	226
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	-0.07	-3
	Thermal (Total)	2917	421	518	11.48	478
	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	421	518	11.48	478	
HP	Baspa HPS (IPP) (3*100)	300	68	57	1.95	81
	Malana HPS (IPP) (2*43)	86	86	0	0.42	18
	Other Hydro (>25MW)	372	141	140	3.42	142
	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	123	102	2.64	110
	Renewable(Total)	486	123	102	2.64	110
Total HP	1244	419	300	8.43	351	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	227	225	5.41	225
	Other Hydro/IPP(including 98 MW Small Hydro)	308	73	39	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	300	264	7	286
Total State Control Area Generation	52451	18426	16425	429.47	17895
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6263	8357	189.64	7902
Total Regional Availability(Gross)	78288	43653	34689	907.31	37805

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9934	1242	83.60	3468
State Control Area Hydro	7468	2715	2224	47.79	2415
Total Regional Hydro	19702	12649	3465	131.39	5884

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.11	5
State Control Area Renewable	8844	204	203	6.59	275
Total Regional Renewable	8874	204	203	6.70	279

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-Bhinmal	-11	89	250	143	0.98	0.00	0.98
220 KV Auraiya-Malanpur	-90	-64	0	101	0.00	1.39	-1.39
220 KV Badod-Kota/Morak	-104	-106	0	182	0.00	2.67	-2.67
Mundra-Mohindergarh(HVDC Bipole)	1202	1502	1504	0	33.18	0.00	33.18
400 KV RAPP- Sujalpur	212	205	357	0	4.32	0.00	4.32
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	448	1134	1281	0	22.15	0.00	22.15
+/- 800 kV HVDC Champa-Kurushetra	1700	1000	3000	0	32.57	0	32.57
Sub Total WR	4384	5665			141.42	14.78	126.64
400 kV Sasaram - Varanasi	202	182	206	0	4.38	0.00	4.38
400 kV Sasaram - Allahabad	35	57	82	0	1.43	0.00	1.43
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)	112	195	206	0	3.71	0.00	3.71
220 KV Pusauli-Sahupuri	127	90	127	0	2.56	0.00	2.56
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-28	-24	0	32	0.00	0.66	-0.66
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-279	-116	10	279	0.00	2.44	-2.44
400 KV Barh -GKP (D/C)	-246	-186	0	280	0.00	3.84	-3.84
400 kV B' Sharif - Varanasi (D/C)	186	43	205	75	0.72	0.00	0.72
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	13.94	0.00	13.94
Sub Total ER	1179	1992			56.05	6.94	49.12
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	700	0.00	13.88	0.00	13.88
Sub Total NER	700	700			13.88	0.00	13.88
Total IR Exch	6263	8357			211.35	21.71	189.64

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
44.48	1.31	45.79	-6.80	-6.08	-5.90	-9.29	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
33.10	150.85	183.94	63.00	126.64	189.64	29.90	-24.21	5.70

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	-19	0	0	19	0	0	-0.11

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	0.60	14.96	65.32	75.41	7.95	1.71	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				
50.08	22.00	49.84	16.45	49.97	0.052	0.065	50.10	49.84	24.59

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	407	12:59	404	7:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	4:01	399	17:52	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	4:01	404	12:40	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	2:59	409	10:27	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	3:01	406	12:10	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	421	3:03	406	10:50	0.0	0.0	1.8	0.0	1.8
Bawana	400	422	1:24	407	12:11	0.0	0.0	4.3	0.0	4.3
Bassi	400	424	20:21	398	5:45	0.0	0.0	6.5	0.0	6.5
Hissar	400	419	20:20	402	12:09	0.0	0.0	0.0	0.0	0.0
Moga	400	422	1:26	408	11:42	0.0	0.0	2.6	0.0	2.6
Abdullapur	400	427	1:21	409	17:51	0.0	0.0	39.0	0.0	39.0
Nalagarh	400	433	1:21	411	18:03	0.0	0.0	43.8	3.8	43.8
Kishenpur	400	424	2:59	402	18:12	0.0	0.0	10.7	0.0	10.7
Wagoora	400	408	14:36	375	18:11	3.3	56.9	0.0	0.0	3.3
Amritsar	400	428	21:45	411	12:19	0.0	0.0	35.7	0.0	35.7
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	419	20:14	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	783	4:00	755	23:06	0.0	0.0	0.0	0.0	0.0
Balia	765	785	4:00	766	17:51	0.0	0.0	0.0	0.0	0.0
Moga	765	803	20:14	774	7:32	0.0	0.0	1.3	0.0	1.3
Agra	765	796	20:13	771	9:22	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	808	20:14	779	8:09	0.0	0.0	5.0	0.0	5.0
Unnao	765	772	4:00	757	9:25	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	4:00	770	17:53	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	20:13	779	12:22	0.0	0.0	16.9	0.0	16.9
Jhatikara	765	806	20:20	774	10:49	0.0	0.0	4.3	0.0	4.3
Bareilly 765 kV	765	792	3:01	772	9:25	0.0	0.0	0.0	0.0	0.0
Anta	765	791	20:12	768	8:14	0.0	0.0	0.0	0.0	0.0
Phagi	765	802	20:57	770	5:35	0.0	0.0	0.3	0.0	0.3

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	507.04	1396.66	498.70	1041.47	247.77	335.95
Pong	426.72	384.05	416.96	755.83	414.65	656.23	72.89	385.36
Tehri	829.79	740.04	823.10	1067.76	822.95	1064.58	59.18	137.00
Koteshwar	612.50	598.50	611.64	5.46	610.19	4.69	137.00	147.66
Chamera-I	760.00	748.75	754.73	0.00	0.00	0.00	64.20	65.96
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	514.17	3.45	513.21	4.93	80.65	146.71

* 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	-102	0	-540	-815	0	-11.12	-5.83	-16.95	
Delhi	-501	-247	0	-186	-413	0	-7.83	-6.31	-14.14	
Haryana	24	25	0	24	-189	0	-1.05	-0.46	-1.51	
HP	179	0	0	-53	-645	0	2.39	-3.03	-0.63	
J&K	162	246	0	162	49	0	3.88	5.62	9.50	
CHD	0	0	0	0	-91	0	0.00	-0.22	-0.22	
Rajasthan	-102	87	0	-102	-659	0	-1.93	0.32	-1.61	
UP	176	-22	0	229	-22	0	4.81	-0.53	4.28	
Uttarakhand	5	44	0	5	-7	0	0.46	0.09	0.55	
Total	-495	30	0	-461	-2792	0	-10.38	-10.35	-20.73	

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-438	-540	-102	-815	0	0
Delhi	-107	-501	-19	-673	0	0
Haryana	24	-261	27	-516	0	0
HP	184	-104	179	-659	0	0
J&K	162	162	446	-158	0	0
CHD	0	0	34	-96	0	0
Rajasthan	-8	-102	990	-1024	0	0
UP	244	150	-22	-22	0	0
Uttarakhand	63	4	191	-302	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	2	32
Haryana	1	19
Rajasthan	1	22
Delhi	3	33
UP	0	12
Uttarakhand	2	21
HP	4	27
J & K	2	18
Chandigarh	2	23

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 31.10.2017 :

XVI. Synchronisation of new generating units :

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

First time charging of 400 kV /220 kV 315 MVA,ICT-3 at Kaithal at 19:14 Hrs. only from 400 kV side .

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 : 31.10.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER