

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.10.2017

Date of Reporting : 28.10.2017



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
42371	1211	43583	49.96	34769	257	35026	49.97	906.00	14.90

* 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/Naphtha/Diesal	Solar	Wind	Other (Biomass/Small hydro/Co-Generation etc.)	Total					
Punjab	52.61	10.28	0.00	0.07	0.00	0.12	63.08	42.81	43.79	0.98	106.87	0.00
Haryana	37.83	0.66	3.75	0.00	0.00	0.00	42.24	82.26	83.05	0.78	125.29	0.00
Rajasthan	116.70	4.45	3.83	2.66	4.65	4.80	137.08	64.33	63.56	-0.77	200.64	1.25
Delhi	0.00	0.00	13.34	0.00	0.00	0.00	13.34	60.71	59.27	-1.44	72.61	0.02
UP	161.16	10.77	0.00	0.00	0.00	2.40	174.33	123.82	123.75	-0.06	298.08	3.96
Uttarakhand	0.00	12.12	7.00	0.58	0.00	0.00	19.70	13.23	14.07	0.83	33.77	0.32
HP	0.00	6.56	0.00	0.00	0.00	2.81	9.37	15.22	15.80	0.58	25.17	0.03
J & K	0.00	7.12	0.00	0.00	0.00	0.00	7.12	32.37	33.01	0.65	40.13	9.33
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.89	3.45	-0.44	3.45	0.00
Total	368.29	51.95	27.93	3.31	4.65	10.13	466.26	438.64	439.74	1.10	906.00	14.90

* 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	5371	0	11	-1145	3660	0	180	-1297	5371	19	0
Haryana	6538	0	52	26	4913	0	-60	29	6538	19	0
Rajasthan	9007	0	120	-442	7638	0	-167	-848	9576	8	242
Delhi	3721	0	-41	-552	2364	0	28	-637	3721	19	0
UP	12859	750	-369	145	12699	0	145	108	12992	1	0
Uttarakhand	1711	0	-48	-132	1196	0	59	-43	1711	19	0
HP	1135	0	102	-734	749	0	-24	179	1282	8	0
J&K	1845	461	69	176	1456	257	-10	492	1845	19	461
Chandigarh	185	0	-12	-86	94	0	-35	0	185	19	0
Total	42371	1211	-116	-2743	34769	257	117	-2018	42371	19	1211

* 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	1720	1903	1890	42.24	1760	41.22		1.02
Rihand I STPS (2*500)	1000	923	1012	1000	22.23	926	22.06		0.18
Rihand II STPS (2*500)	1000	943	1001	1003	23.09	962	22.49		0.60
Rihand III STPS (2*500)	1000	943	1024	1008	23.09	962	22.32		0.77
Dadri I STPS (4*210)	840	763	315	336	8.38	349	8.39		-0.01
Dadri II STPS (2*490)	980	928	678	519	16.21	676	16.68		-0.47
Unchahar I TPS (2*210)	420	155	140	130	3.12	130	2.99		0.13
Unchahar II TPS (2*210)	420	292	233	239	5.64	235	5.61		0.04
Unchahar III TPS (1*210)	210	192	142	121	3.38	141	3.38		0.00
Unchahar IV TPS(1*500)	500	410	328	427	9.37	390	8.72		0.64
ISTPP (Jhajhar) (3*500)	1500	948	986	687	17.65	736	17.95		-0.30
Dadri GPS (4*130.19+2*154.51)	830	795	147	141	3.56	148	3.58		-0.01
Anta GPS (3*88.71+1*153.2)	419	268	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	0.01	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	0.06		0.00
KHEP(4*200)	800	792	865	0	4.68	195	4.25		0.43
Sub Total (A)	12612	10690	8774	7501	183	7615	180		3.01
B. NPC									
NAPS (2*220)	440	401	431	433	9.59	400	9.61		-0.01
RAPS- B (2*220)	440	395	434	442	9.50	396	9.37		0.14
RAPS- C (2*220)	440	430	449	451	9.88	412	10.32		-0.44
Sub Total (B)	1320	1226	1314	1326	28.97	1207	29.29		-0.32
C. NHPC									
Chamera I HPS (3*180)	540	534	550	0	2.79	116	2.60		0.19
Chamera II HPS (3*100)	300	300	304	0	2.14	89	2.05		0.09
Chamera III HPS (3*77)	231	55	232	0	1.40	58	1.33		0.07
Bairasul HPS(3*60)	180	122	122	0	0.68	28	0.55		0.12
Salal-HPS (6*115)	690	150	425	134	4.33	180	3.60		0.73
Tanakpur-HPS (3*31.4)	94	50	53	57	1.33	55	1.21		0.12
Uri-I HPS (4*120)	480	67	208	34	1.86	77	1.61		0.25
Uri-II HPS (4*60)	240	51	37	37	1.24	52	1.22		0.02
Dhauliganga-HPS (4*70)	280	93	280	72	2.30	96	2.24		0.06
Dulhasti-HPS (3*130)	390	387	403	0	5.36	223	5.00		0.36
Sewa-II HPS (3*40)	120	119	120	0	0.30	13	0.36		-0.05
Parbati 3 (4*130)	520	37	256	0	0.87	36	0.77		0.10
Sub Total (C)	4065	1965	2990	334	25	1025	23		2.06
D. SJVNL									
NJPC (6*250)	1500	1482	1497	0	11.49	479	11.22		0.27
Rampur HEP (6*68.67)	412	408	400	0	3.23	135	3.12		0.11
Sub Total (D)	1912	1890	1897	0	14.72	613	14.35		0.38
E. THDC									
Tehri HPS (4*250)	1000	988	1024	0	6.85	285	6.65		0.20
Koteshwar HPS (4*100)	400	91	100	98	2.30	96	2.19		0.11
Sub Total (E)	1400	1079	1124	98	9.15	381	8.84		0.31
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	505	1065	368	12.32	513	12.12		0.20
Dehar HPS (6*165)	990	216	495	165	5.45	227	5.19		0.26
Pong HPS (6*66)	396	271	330	132	6.54	272	6.50		0.04
Sub Total (F)	2765	992	1890	665	24.32	1013	23.81		0.50
G. IPP(s)/JV(s)									
Allain Duhangan HPS(IPP) (2*96)	192	0	110	0	0.88	37	0.87		0.02
Karcham Wangtoo HPS(IPP) (4*250)	1000	0	825	0	6.56	273	6.40		0.16
Malana Stg-II HPS (2*50)	100	0	20	15	0.54	22	0.53		0.00
Shree Cement TPS (2*150)	300	0	149	148	3.54	148	3.54		0.00
Budhil HPS(IPP) (2*35)	70	0	35	0	0.40	17	0.42		-0.02
Sainj HPS (IPP) (2*50)	100	0					0.65		
Sub Total (G)	1762	0	1139	163	11.92	497	11.76		0.16
H. Total Regional Entities (A-G)	25837	17843	19129	10087	296.43	12351	290.33		6.10
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	-0.04	-2
	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	-0.09	-4
	Goindwal(GVK) (2*270)	540	180	145	4.20	175
	Rajpura (2*700)	1400	660	660	15.89	662
	Talwandi Saboo (3*660)	1980	1350	1350	32.67	1361
	Thermal (Total)	6560	2190	2155	52.61	2192
	Total Hydro	1000	433	427	10.28	428
	Wind Power	0	0	0	0.00	0
	Biomass	303	5	5	0.12	5
	Solar	859	0	0	0.07	3
	Renewable(Total)	1162	5	5	0.19	8
	Total Punjab	8722	2628	2587	63.08	2628
	Haryana	Panipat TPS (2*210+2*250)	920	177	171	4.24
DCRTPP (Yamuna nagar) (2*300)		600	480	450	10.73	447
Faridabad GPS (NTPC)(2*137.75+1*156)		432	156	154	3.75	156
RGTPP (khardar) (IPP) (2*600)		1200	460	381	9.27	386
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	624	535	13.60	567
Thermal (Total)		4497	1897	1691	41.58	1733
Total Hydro		62	19	13	0.66	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	1916	1704	42.24	1760
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	747	903	20.56
	suratgarh TPS (6*250)	1500	186	188	5.24	218
	Chabra TPS (4*250)	1000	1399	1063	31.68	1320
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	134	141	3.83	160
	RAPS A (NPC) (1*100+1*200)	300	145	186	4.19	175
	Barsingar (NLC) (2*125)	250	221	221	5.15	214
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	835	837	20.22	842
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	846	874	19.83	826
	Kawai(Adani) (2*660)	1320	610	615	14.02	584
	Thermal (Total)	9536	5123	5028	124.71	5196
	Total Hydro	550	230	154	4.45	185
	Wind power	4292	66	433	4.65	194
	Biomass	102	25	25	0.61	25
	Solar	1995	0	0	2.66	111
	Renewable/Others (Total)	6389	91	458	7.92	330
Total Rajasthan	16475	5444	5640	137.08	5712	
UP	Anpara TPS (3*210+2*500)	1630	1166	1152	29.43	1226
	Obra TPS (2*50+2*94+5*200)	1194	469	456	11.07	461
	Paricha TPS (2*110+2*220+2*250)	1160	592	590	14.07	586
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	323	320	7.66	319
	Tanda TPS (NTPC) (4*110)	440	269	295	6.94	289
	Roza TPS (IPP) (4*300)	1200	749	769	18.93	789
	Anpara-C (IPP) (2*600)	1200	1092	1101	26.18	1091
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	449	449	10.75	448
	Lalitpur TPS(3*660)	1980	749	1245	22.73	947
	Bara(2*660)	1320	551	582	13.40	558
	Thermal (Total)	12449	6409	6959	161.16	6715
	Vishnuparyag HPS (IPP)(4*110)	440	207	220	4.76	198
	Alakanada(4*82.5)	330	165	164	3.14	131
	Other Hydro	527	139	147	2.87	120
	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	7020	7590	174.33	7264	
Uttarakhand	Other Hydro	1250	751	493	12.12	505
	Total Gas	450	287	299	7.00	292
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.58	24
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.58	24
	Total Uttarakhand	2107	1038	792	19.70	821
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	37	0.88	37
	Pragati Gas Turbine (2x104+ 1x122)	330	261	261	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	249	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	548	547	13.34	556
	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	548	547	13.34	556	
HP	Baspa HPS (IPP) (3*100)	300	112	61	2.19	91
	Malana HPS (IPP) (2*43)	86	28	0	0.52	22
	Other Hydro (>25MW)	372	174	159	3.85	160
	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	133	104	2.81	117
	Renewable(Total)	486	133	104	2.81	117
Total HP	1244	448	325	9.37	390	
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	237	235	5.66	236
	Other Hydro/IPP(including 98 MW Small Hydro)	308	55	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	292	258	7	297
Total State Control Area Generation	52451	19334	19443	466.26	19428
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6088	6604	165.79	6908
Total Regional Availability(Gross)	78288	44550	36133	928.48	38687

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9722	1112	85.83	3560
State Control Area Hydro	7468	2971	2500	51.95	2598
Total Regional Hydro	19702	12692	3612	137.78	6157

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	8844	229	567	11.51	480
Total Regional Renewable	8874	229	567	11.62	484

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)	-200	-500	0	500	0.00	8.78	-8.78
765 KV Gwalior-Agra (D/C)	1324	2402	2489	0	47.87	0.00	47.87
400 KV Zerda-Kankroli	-145	-106	7	240	0.00	2.91	-2.91
400 KV Zerda-Bhinmal	-118	-41	182	211	0.00	1.27	-1.27
220 KV Auraiya-Malanpur	-88	-34	0	100	0.00	1.15	-1.15
220 KV Badod-Kota/Morak	-84	-132	0	150	0.00	2.52	-2.52
Mundra-Mohindergarh(HVDC Bipole)	1502	998	1504	0	30.24	0.00	30.24
400 KV RAPPCC-Sujalpur	214	123	367	0	4.47	0.00	4.47
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	249	935	997	0	15.15	0.00	15.15
+/- 800 kV HVDC Champa-Kurushetra	1500	500	1500	0	21.32	0	21.32
Sub Total WR	4154	4145			119.06	16.62	102.43
400 kV Sasaram - Varanasi	198	187	201	0	4.43	0.00	4.43
400 kV Sasaram - Allahabad	37	53	85	0	1.44	0.00	1.44
400 KV MZP- GKP (D/C)	84	331	664	70	9.27	0.00	9.27
400 KV Patna-Balia(D/C) X 2	411	520	850	0	15.27	0.00	15.27
400 KV B'Sharif-Balia (D/C)	94	43	211	0	1.59	0.00	1.59
765 KV Gaya-Balia	-7	182	241	38	3.21	0.00	3.21
765 KV Gaya-Varanasi (D/C)	185	154	424	185	4.05	0.00	4.05
220 KV Pusauli-Sahupuri	137	103	137	0	2.72	0.00	2.72
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-23	-25	0	31	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-276	-172	62	278	0.00	2.71	-2.71
400 KV Barh -GKP (D/C)	-138	-214	0	272	0.00	4.20	-4.20
400 kV B'Sharif - Varanasi (D/C)	232	97	232	131	1.04	0.00	1.04
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	13.43	0.00	13.43
Sub Total ER	1434	1759			57.40	7.44	49.96
+/- 800 KV HVDC BiswanathCharialli-Agra	500	700	700	0.00	13.39	0.00	13.39
Sub Total NER	500	700			13.39	0.00	13.39
Total IR Exch	6088	6604			189.85	24.06	165.79

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
45.17	1.46	46.63	-5.26	-6.58	-12.48	-10.40	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
28.88	139.15	168.03	63.35	102.43	165.79	34.47	-36.72	-2.25

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	20	0	0	-0.39

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	0.03	2.69	31.44	84.09	66.23	2.44	0.02	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				
50.11	18.01	49.69	7.16	49.93	0.093	0.067	50.04	49.79	33.77

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	19:24	401	10:17	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	6:02	399	18:06	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	415	20:02	403	9:11	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	20:00	408	10:42	0.0	0.0	0.0	0.0	0.0
Dadri	400	418	3:59	404	10:50	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	420	3:59	403	11:12	0.0	0.0	0.0	0.0	0.0
Bawana	400	420	20:59	406	11:07	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	20:42	399	7:15	0.0	0.0	2.0	0.0	2.0
Hissar	400	418	21:52	402	11:07	0.0	0.0	0.0	0.0	0.0
Moga	400	422	21:41	406	11:03	0.0	0.0	2.2	0.0	2.2
Abdullapur	400	426	21:42	409	18:10	0.0	0.0	16.5	0.0	16.5
Nalagarh	400	429	21:46	411	18:10	0.0	0.0	37.6	0.0	37.6
Kishenpur	400	423	3:13	398	11:37	0.0	0.0	5.6	0.0	5.6
Wagoora	400	408	8:27	367	18:39	45.9	74.1	0.0	0.0	45.9
Amritsar	400	429	4:00	408	11:07	0.0	0.0	37.2	0.0	37.2
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	20:01	401	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	780	19:59	750	10:42	0.0	0.0	0.0	0.0	0.0
Balia	765	781	13:01	766	18:11	0.0	0.0	0.0	0.0	0.0
Moga	765	802	21:36	769	9:11	0.0	0.0	2.1	0.0	2.1
Agra	765	795	20:55	764	9:11	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	21:27	772	9:12	0.0	0.0	4.5	0.0	4.5
Unnao	765	767	20:00	752	9:11	0.0	0.0	0.0	0.0	0.0
Lucknow	765	786	20:59	769	18:13	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	21:00	773	9:11	0.0	0.0	8.3	0.0	8.3
Jhatikara	765	802	20:55	772	9:13	0.0	0.0	1.7	0.0	1.7
Bareilly 765 kV	765	791	20:43	770	9:11	0.0	0.0	0.0	0.0	0.0
Anta	765	787	20:39	765	7:09	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	20:46	764	9:10	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	507.20	1411.35	499.10	1053.16	264.03	352.20
Pong	426.72	384.05	417.50	781.19	415.12	680.86	60.94	387.94
Tehri	829.79	740.04	823.70	1080.45	823.40	1074.10	83.11	150.00
Koteshwar	612.50	598.50	611.60	5.20	610.76	4.69	150.00	151.21
Chamera-I	760.00	748.75	754.67	0.00	0.00	0.00	74.64	75.52
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	514.68	3.54	514.06	4.96	69.95	139.09

* 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	-486	-811	0	-537	-608	0	-11.42	-7.52	-18.95
Delhi	-297	-340	0	-154	-398	0	-5.87	-6.64	-12.52
Haryana	26	3	0	26	0	0	-1.02	-0.29	-1.31
HP	180	-1	0	-18	-715	0	2.54	-4.07	-1.53
J&K	162	330	0	162	14	0	3.88	5.87	9.75
CHD	0	0	0	0	-86	0	0.00	-0.40	-0.40
Rajasthan	-101	-747	0	-101	-340	0	-2.43	-1.91	-4.34
UP	176	-68	0	213	-68	0	4.66	-1.63	3.03
Uttarakhand	5	-48	0	5	-137	0	0.47	-1.19	-0.72
Total	-336	-1681	0	-405	-2338	0	-9.20	-17.79	-26.99

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-436	-537	0	-811	0	0
Delhi	-115	-347	65	-856	0	0
Haryana	148	-258	4	-101	0	0
HP	258	-186	207	-729	0	0
J&K	162	162	429	-178	0	0
CHD	0	0	15	-91	0	0
Rajasthan	-101	-101	895	-1107	0	0
UP	224	151	-68	-68	0	0
Uttarakhand	64	5	51	-358	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	1	17
Haryana	1	20
Rajasthan	2	15
Delhi	5	31
UP	0	8
Uttarakhand	0	12
HP	5	41
J & K	2	18
Chandigarh	5	43

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.10.2017 :

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 : 27.10.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER