

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 11.04.2017

Date of Reporting : 12.04.2017



I. Regional Availability/Demand:

Evening Peak (20:00 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
42992	487	43479	50.01	35428	400	35828	50.00	844.57	11.34

* 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:

UI (OD:(+ve), UD: (-ve))

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	Renewable/others \$	Total					
Punjab	36.50	2.97	0.30	39.78	62.30	63.68	1.38	103.46	0.00
Haryana	20.25	0.60	0.00	20.85	90.44	89.47	-0.97	110.31	0.00
Rajasthan	91.09	0.50	8.30	99.88	70.25	72.14	1.90	172.02	0.96
Delhi	14.19		0.00	14.19	65.35	64.29	-1.05	78.48	0.01
UP	168.30	5.60	0.00	173.90	103.65	104.08	0.43	277.98	0.00
Uttarakhand		8.14	0.00	15.06	18.42	18.24	-0.18	33.30	0.00
HP		11.75	5.17	11.75	10.69	12.01	1.32	23.76	0.00
J & K		13.58	0.00	13.58	27.48	27.86	0.38	41.44	10.36
Chandigarh				0.00	3.88	3.82	-0.07	3.82	0.00
Total	330.32	43.14	13.77	388.99	452.44	455.58	3.14	844.57	11.34

* Shortage furnished by the respective constituent's Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve))

State	Evening Peak (20:00 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	5284	0	130	-99	3918	0	45	-99	5284	20:00	0
Haryana	6341	0	-102	252	4847	0	-200	311	6373	21:00	0
Rajasthan	7758	0	59	357	6899	0	-45	395	7909	21:00	0
Delhi	3709	0	-27	-334	2758	0	-27	-507	3870	17:00	0
UP	14980	0	81	857	13241	0	-86	10	15265	22:00	0
Uttarakhand	1713	0	22	127	1276	0	21	219	1713	20:00	0
HP	1077	0	30	-932	776	0	81	8	1264	8:00	0
J&K	1950	487	94	-161	1599	400	62	-46	1950	20:00	487
Chandigarh	179	0	-15	-15	114	0	30	-20	257	10:00	0
Total	42992	487	273	53	35428	400	-119	272	42992	20:00	487

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

Diversity is 1.02

UI (OD:(+ve), UG: (-ve))

III. Regional Entities :

Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
			(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1606	1789	1787	36.68	1528	35.88	0.80
Rihand I STPS (2*500)	1000	936	1014	995	20.23	843	20.32	-0.09
Rihand II STPS (2*500)	1000	477	513	505	10.66	444	10.40	0.26
Rihand III STPS (2*500)	1000	971	1016	1014	20.87	869	21.03	-0.17
Dadri I STPS (4*210)	840	815	562	503	10.71	446	10.97	-0.26
Dadri II STPS (2*490)	980	980	720	774	17.12	713	17.87	-0.75
Unchahar I TPS (2*210)	420	403	417	381	7.46	311	7.67	-0.22
Unchahar II TPS (2*210)	420	405	425	355	7.27	303	7.78	-0.51
Unchahar III TPS (1*210)	210	203	215	181	3.72	155	3.83	-0.11
Unchahar IV TPS (1*660)	660		0	0	0.00	0	0.00	0.00
ISTPP (Jhajjar) (3*500)	1500	1440	990	629	15.70	654	16.05	-0.35
Dadri GPS (4*130.19+2*154.51)	830	595	50	170	2.86	119	3.71	-0.85
Anta GPS (3*88.71+1*153.2)	419	378	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	639	149	133	3.17	132	3.22	-0.05
Dadri Solar(5)	5	1	0	0	0.03	1	0.02	0.00
Unchahar Solar(10)	10	2	0	0	0.06	2	0.05	0.00
Singrauli Solar(15)	15	2	0	0	0.06	3	0.06	0.00
KHEP(4*200)	800	872	865	0	4.21	176	4.00	0.21
Sub Total (A)	12772	10726	8725	7427	161	6700	163	-2.08
B. NPC								
NAPS (2*220)	440	400	433	442	9.37	390	9.60	-0.23
RAPS- B (2*220)	440	367	407	416	8.83	368	8.81	0.02
RAPS- C (2*220)	440	210	232	235	4.90	204	5.04	-0.14
Sub Total (B)	1320	977	1072	1093	23.10	962	23.45	-0.35
C. NHPC								
Chamera I HPS (3*180)	540	535	552	0	6.26	261	6.00	0.26
Chamera II HPS (3*100)	300	301	311	202	5.41	225	5.20	0.21
Chamera III HPS (3*77)	231	231	234	153	3.68	153	3.53	0.16
Bairasuli HPS(3*60)	180	179	185	184	4.25	177	4.13	0.12
Satal-HPS (6*115)	690	408	532	450	10.75	448	9.79	0.96
Tanakpur-HPS (3*31.4)	94	24	32	21	0.63	26	0.57	0.06
Uri-I HPS (4*120)	480	475	480	478	11.58	483	11.40	0.18
Uri-II HPS (4*60)	240	237	241	237	5.71	238	5.69	0.02
Dhauliganga-HPS (4*70)	280	280	279	0	1.49	62	1.40	0.09
Dulhasti-HPS (3*130)	390	387	406	137	6.67	278	6.50	0.17
Sewa-II HPS (3*40)	120	126	132	131	3.12	130	3.02	0.10
Parbati 3 (4*130)	520	260	262	0	1.02	43	0.99	0.03
Sub Total (C)	4065	3442	3645	1992	61	2524	58	2.36
D.SJVNL								
NJPC (6*250)	1500	1605	1625	0	1.10	46	10.87	-9.77
Rampur HEP (6*68.67)	412	370	299	0	2.81	117	2.80	0.00
Sub Total (D)	1912	1975	1924	0	3.91	163	13.67	-9.76
E. THDC								
Tehri HPS (4*250)	1000	486	482	0	5.26	219	5.30	-0.04
Koteshwar HPS (4*100)	400	104	204	92	2.56	107	2.50	0.06
Sub Total (E)	1400	590	686	92	7.82	326	7.80	0.02
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	280	296	291	6.92	288	6.72	0.20
Dehar HPS (6*165)	990	326	660	165	8.07	336	7.84	0.24
Pong HPS (6*66)	396	24	165	0	0.58	24	0.58	0.00
Sub Total (F)	2765	631	1121	456	15.56	648	15.13	0.43
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	96	0	1.20	50	1.08	0.12
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	695	0	5.81	242	5.62	0.19
Malana Stg-II HPS (2*50)	100	0	111	21	0.59	25	0.55	0.04
Shree Cement TPS (2*150)	300	0	127	97	2.50	104	2.47	0.03
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.53	-0.53
Sub Total (G)	1662	0	1030	118	10.10	421	10.26	-0.16
H. Total Regional Entities (A-G)	25897	18341	18203	11178	281.85	11744	291.39	-9.55
I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MU)		
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	0	0	-0.13	-5		
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1		
	Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	184	0	1.51	63		

	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1
	Rajpura (2*700)	1400	660	500	13.62	568
	Talwandi Saboo (3*660)	1980	980	980	21.53	897
	Thermal (Total)	6560	1824	1480	36.50	1521
	Total Hydro	1000	110	106	2.97	124
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.22	9
	Solar	560	0	0	0.09	4
	Renewable(Total)	848	0	0	0.30	13
	Total Punjab	8408	1934	1586	39.78	1657
Haryana	Panipat TPS (2*210+2*250)	920	238	219	5.23	218
	DCRTPP (Yamuna nagar) (2*300)	600	540	458	11.28	470
	Faridabad GPS (NTPC)(2*137.75+1*1156)	432	0	0	0.00	0
	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	560	0	3.73	156
	Thermal (Total)	4497	1338	677	20.25	844
	Total Hydro	62	21	30	0.60	25
	Wind Power	0	0	0	0.00	0
	Biomass	40	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Renewable(Total)	40	0	0	0.00	0
	Total Haryana	4599	1359	707	20.85	869
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	350	383	8.26	344
	suratgarh TPS (6*250)	1500	1	216	3.79	158
	Chabra TPS (4*250)	1000	952	941	21.81	909
	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	178	175	4.58	191
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.25	177
	Barsingsar (NLC) (2*125)	250	226	175	4.83	201
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	737	833	17.26	719
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	544	565	12.11	505
	Kawai(Adani) (2*660)	1320	613	612	14.20	592
	Thermal (Total)	9536	3791	4090	91.09	3795
	Total Hydro	550	21	20	0.50	21
	Wind power	4017	157	104	4.41	184
	Biomass	99	19	19	0.46	19
	Solar	1295	0	0	3.43	143
	Renewable/Others (Total)	5411	176	123	8.30	346
	Total Rajasthan	15497	3988	4233	99.88	4162
UP	Anpara TPS (3*210+2*500)	1630	1278	1271	28.80	1200
	Obra TPS (2*50+2*94+5*200)	1194	679	662	13.70	571
	Paricha TPS (2*110+2*220+2*250)	1160	832	818	16.10	671
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	225	217	4.30	179
	Tanda TPS (NTPC) (4*110)	440	253	292	5.90	246
	Roza TPS (IPP) (4*300)	1200	837	842	16.20	675
	Anpara-C (IPP) (2*600)	1200	630	635	14.90	621
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	883	837	17.30	721
	Lalitpur TPS(3*660)	1980	1164	1173	23.00	958
	Bara(2*660)	1320	675	585	13.70	571
	Thermal (Total)	12449	7456	7332	153.90	6412
	Vishnuparyag HPS (IPP)(4*110)	440	98	108	2.30	96
	Alaknanda(4*82.5)	330	168	84	1.70	71
	Other Hydro	527	99	154	1.60	67
	Cogeneration	981	600	600	14.40	600
	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	8421	8278	173.90	7246
	Uttarakhand	Other Hydro	1250	505	328	8.14
Total Gas		225	267	289	6.60	275
Wind Power		0	0	0	0.00	0
Biomass		127	0	0	0.00	0
Solar		20	0	0	0.32	13
Small Hydro (< 25 MW)		180	0	0	0.00	0
Renewable(Total)		327	0	0	0.32	13
Total Uttarakhand	1802	772	617	15.06	628	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	31	33	0.86	36
	Pragati Gas Turbine (2x104+ 1x122)	330	148	155	3.68	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	248	250	6.01	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	166	169	3.64	152
	Thermal (Total)	2917	592	606	14.19	591
	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	592	606	14.19	591	
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.22	51
	Malana HPS (IPP) (2*43)	86	31	31	0.64	27
	Other Hydro (>25MW)	372	233	202	4.72	197
	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	245	208	5.17	215
	Renewable(Total)	486	245	208	5.17	215
	Total HP	1244	509	441	11.75	490
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	449	445	10.72	447
	Other Hydro/IPP(including 98 MW Small Hydro)	308	136	120	2.86	119
	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	585	565	14	566
Total State Control Area Generation	50738	18160	17033	388.99	16208
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8538	8123	176.99	7375
Total Regional Availability(Gross)	76635	44901	36334	847.83	35326

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9144	2561	99.66	4153
State Control Area Hydro	7163	2383	2125	43.14	2086
Total Regional Hydro	19397	11526	4686	142.80	6239

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.14	6
State Control Area Renewable	7356	421	331	14.09	587
Total Regional Renewable	7386	421	331	14.23	593

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

Element	Peak(20:00 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	10.23	-10.23
765 KV Gwalior-Agra (D/C)	2804	2357	2804	0	51.64	0.00	51.64
400 KV Zerda-Kankrol	99	-47	99	188	0.00	1.52	-1.52
400 KV Zerda-Bhinmal	116	10	159	125	0.01	0.00	0.01
220 KV Auraiya-Malanpur	-14	-30	0	62	0.00	0.77	-0.77
220 KV Badod-Kota/Morak	73	-7	44	37	0.24	0.00	0.24
Mundra-Mohindergarh(HVDC Bipole)	1497	1499	2005	0	35.46	0.00	35.46
400 KV RAPP-C-Sujalpur	340	250	398	0	6.46	0.00	6.46
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1523	1295	765	0	30.27	0.00	30.27
+/- 800 kV HVDC Champa-Kurushetra	900	1500	1500	0	23.98	0	23.98
Sub Total WR	6838	6327			148.06	12.52	135.54
400 kV Sasaram - Varanasi	162	159	178	0	3.78	0.00	3.78
400 kV Sasaram - Allahabad	-22	-18	14	43	0.00	0.32	-0.32
400 KV MZP- GKP (D/C)	11	-26	55	208	0.00	1.52	-1.52
400 KV Patna-Balia(D/C) X 2	411	582	618	0	11.81	0.00	11.81
400 KV B'Sharif-Balia (D/C)	22	-9	54	22	1.10	0.00	1.10
765 KV Gaya-Balia	104	98	281	0	4.00	0.00	4.00
765 KV Gaya-Varanasi (D/C)	253	177	278	0	4.34	0.00	4.34
220 KV Pusaui-Sahupuri	222	199	222	0	3.93	0.00	3.93
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-23	0	38	0.00	0.55	-0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-283	-208	0	283	0.00	3.91	-3.91
400 KV Barh -GKP (D/C)	492	506	530	0	10.28	0.00	10.28
400 kV B'Sharif - Varanasi (D/C)	-148	-141	0	176	0.00	2.98	-2.98
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1200	1296			39.24	9.28	29.96
+/- 800 KV HVDC BiswanathCharialli-Agra	500	500	500	0.00	11.50	0.00	11.50
Sub Total NER	500	500			11.50	0.00	11.50
Total IR Exch	8538	8123			198.79	21.80	176.99

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
40.81	0.79	41.60	-0.85	-1.51	-1.68	4.76	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
39.07	140.87	179.94	41.45	135.54	176.99	2.38	-5.33	-2.95

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

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-12	-10	0	30	0	1	-0.65

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	0.35	8.07	59.56	79.64	9.98	2.33	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	MIN	
Freq	Time	Freq	Time	Hz	Index	(Hz)	(Hz)		
50.16	16.04	49.78	22.10	49.98	0.038	0.060	50.06	49.87	20.36

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	414	14:44	403	19:08	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	429	13:00	390	19:12	0.0	0.0	24.8	0.0	24.8
Bareilly(PG)400kV	400	425	13:01	388	19:10	0.0	0.8	4.5	0.0	4.5
Kanpur	400	421	12:59	389	19:11	0.0	0.6	0.2	0.0	0.2
Dadri	400	425	13:01	397	19:11	0.0	0.0	8.0	0.0	8.0
Ballabgarh	400	424	13:01	394	19:12	0.0	0.0	4.1	0.0	4.1
Bawana	400	426	13:00	395	19:13	0.0	0.0	9.7	0.0	9.7
Bassi	400	425	13:02	395	19:16	0.0	0.0	4.9	0.0	4.9
Hissar	400	425	13:01	392	19:13	0.0	0.0	2.7	0.0	2.7
Moga	400	425	13:02	396	19:13	0.0	0.0	6.4	0.0	6.4
Abdullapur	400	430	13:01	398	19:14	0.0	0.0	24.4	0.0	24.4
Nalagarh	400	431	13:07	404	19:16	0.0	0.0	27.6	0.3	27.6
Kishenpur	400	420	13:01	397	19:11	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	3:40	373	19:52	15.6	54.5	0.0	0.0	15.6
Amritsar	400	429	13:03	404	19:10	0.0	0.0	23.9	0.0	23.9
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	420	4:11	407	21:34	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	403	0:00	403	0:00	0.0	0.0	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum	Minimum	Voltage (in % of Time)	Voltage
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Station	Voltage Level (kV)	Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	% Deviat
Fatehpur	765	787	13:01	726	19:12	0.4	5.8	0.0	0.0	0.4
Balia	765	797	11:21	743	18:52	0.0	0.0	0.0	0.0	0.0
Moga	765	807	13:01	751	19:11	0.0	0.0	6.4	0.0	6.4
Agra	765	804	13:01	744	19:18	0.0	0.0	0.8	0.0	0.8
Bhiwani	765	814	13:06	759	19:10	0.0	0.0	23.8	0.0	23.8
Unnao	765	790	13:00	726	18:52	0.1	10.5	0.0	0.0	0.1
Lucknow	765	807	13:02	743	18:52	0.0	0.0	4.0	0.0	4.0
Meerut	765	817	13:00	748	19:11	0.0	0.0	24.2	0.0	24.2
Jhatikara	765	814	13:02	752	19:16	0.0	0.0	12.5	0.0	12.5
Bareilly 765 kV	765	810	13:00	743	19:11	0.0	0.0	7.7	0.0	7.7
Anta	765	803	13:04	770	19:11	0.0	0.0	0.6	0.0	0.6
Phagi	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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)	Inflow (m ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	465.37	199.81	479.36	447.73	318.62	231.74
Pong	426.72	384.05	396.92	157.28	395.85	141.12	58.84	42.56
Tehri	829.79	740.04	758.55	109.71	748.75	43.21	47.20	167.00
Koteshwar	612.50	598.50	611.00	5.20	611.64	5.44	167.00	168.52
Chamera-I	760.00	748.75	753.03	0.00	0.00	0.00	212.19	259.69
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	511.15	0.59	496.11	3.43	258.16	31.98

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-99	0	0	-99	0	0	-2.37	0.00	-2.37
Delhi	-292	-215	0	-195	-139	0	-4.45	-1.23	-5.68
Haryana	33	279	0	33	220	0	-1.63	2.93	1.30
HP	73	-65	0	70	-1003	0	1.75	-6.49	-4.74
J&K	-46	0	0	-46	-115	0	-1.10	0.71	-0.39
CHD	0	-20	0	0	-15	0	0.00	-0.14	-0.14
Rajasthan	23	372	0	23	334	0	0.60	8.66	9.26
UP	66	-56	0	92	765	0	1.61	1.37	2.98
Uttarakhand	218	1	0	122	5	0	5.08	0.37	5.45
Total	-24	297	0	1	51	0	-0.51	6.17	5.67

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-99	-99	0	0	0	0
Delhi	-112	-343	211	-485	0	0
Haryana	33	-169	283	-324	0	0
HP	78	70	-65	-1015	0	0
J&K	-46	-46	99	-216	0	0
CHD	0	0	20	-40	0	0
Rajasthan	31	17	426	-242	0	0
UP	92	19	1049	-56	0	0
Uttarakhand	251	122	157	-156	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	15
Haryana	2	16
Rajasthan	4	22
Delhi	4	30
UP	2	23
Uttarakhand	4	28
HP	2	21
J & K	2	21
Chandigarh	3	30

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 11.04.2017 :

XVI. Synchronisation of new generating units :

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

1. 50MVAR L/R of 400kV Bikaner Merta at 400kV GSS Bikaner first time charged at 1623Hrs of 11.04.17
2. 765KV Lailtpur-Fatehabad-2 first time charged at 2001Hrs of 11.04.17

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 : 11.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER