पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.04.2017

Date of Reporting : 02.04.2017

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
39991	639	40630	49.98	36863	364	37226	50.00	931.98	10.30

* 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	64.36	2.78	0.22	67.35	60.73	60.39	-0.34	127.74	0.00
Haryana	25.34	0.50	0.00	25.83	95.59	95.31	-0.28	121.14	0.00
Rajasthan	99.88	0.67	12.11	112.66	65.08	67.30	2.22	179.96	0.00
Delhi	19.14		0.00	19.14	64.39	63.96	-0.43	83.10	0.01
UP	197.44	6.22	0.00	203.66	108.44	111.22	2.78	314.88	0.00
Uttarakhand		8.57	0.00	15.58	19.99	19.13	-0.86	34.70	0.00
HP		10.79	5.15	10.79	13.12	14.67	1.55	25.47	0.07
J & K		13.57	0.00	13.57	26.47	27.30	0.83	40.87	10.22
Chandigarh				0.00	4.33	4.12	-0.21	4.12	0.00
Total	**406.14**	**43.10**	**17.47**	**468.57**	**458.13**	**463.41**	**5.27**	**931.98**	10.30

* Shortage furnished by the respective constituent.$ 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 (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	5684	0	78	-201	4526	0	20	-101	6358	20:00	0
Haryana	5880	0	79	227	3964	0	-15	-191	6608	20:00	0
Rajasthan	6777	0	224	321	7322	0	123	382	8387	24:00	0
Delhi	3772	0	4	-196	3151	0	72	-371	3892	16:00	0
UP	13265	190	234	722	14112	0	215	-35	14877	20:00	0
Uttarakhand	1625	0	110	275	1346	0	46	60	1681	20:00	0
HP	1000	2	118	-605	856	0	149	52	1276	8:00	0
J&K	1790	447	27	-186	1454	364	-15	-46	1989	6:00	497
Chandigarh	199	0	-13	0	131	0	5	0	202	20:00	0
Total	**39991**	**639**	**860**	**357**	**36863**	**364**	**600**	**-248**	**44609**		**465**

* 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 :

UI [OG:(+ve), UG: (-ve)]

	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	1650	1779	1786	39.72	1655	39.60	0.12
	Rihand I STPS (2*500)	1000	923	950	970	21.22	884	21.68	-0.46
	Rihand II STPS (2*500)	1000	951	974	1029	22.47	936	22.62	-0.15
	Rihand III STPS (2*500)	1000	468	469	430	10.91	455	10.88	0.04
	Dadri I STPS (4*210)	840	815	631	446	11.21	467	11.99	-0.78
	Dadri II STPS (2*490)	980	980	491	436	9.67	403	10.47	-0.80
	Unchahar I TPS (2*210)	420	399	304	380	6.95	290	7.46	-0.51
	Unchahar II TPS (2*210)	420	405	304	423	7.18	299	7.27	-0.09
	Unchahar III TPS (1*210)	210	203	144	188	3.47	145	3.72	-0.24
	ISTPP (Jhajjhar) (3*500)	1500	1440	972	618	16.74	697	17.05	-0.31
	Dadri GPS (4*130.19+2*154.51)	830	383	326	284	6.92	288	7.26	-0.34
	Anta GPS (3*88.71+1*153.2)	419	254	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	642	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	2	0	0	0.06	2	0.05	0.01
	KHEP(4*200)	800	872	868	0	3.00	125	3.00	0.00
	Sub Total (A)	**12112**	**10389**	**8212**	**6990**	**160**	**6650**	**163**	**-3.52**
B. NPC	NAPS (2*220)	440	392	422	432	9.39	391	9.41	-0.02
	RAPS- B (2*220)	440	365	405	410	8.81	367	8.76	0.05
	RAPS- C (2*220)	440	210	232	234	4.83	201	5.04	-0.21
	Sub Total (B)	**1320**	**967**	**1059**	**1076**	**23.03**	**959**	**23.21**	**-0.18**
C. NHPC	Chamera I HPS (3*180)	540	541	554	0	8.68	362	8.50	0.18
	Chamera II HPS (3*100)	300	301	311	0	4.02	168	3.75	0.27
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	184	124	4.06	169	3.93	0.13
	Salal-HPS (6*115)	690	405	537	405	10.63	443	9.73	0.90
	Tanakpur-HPS (3*31.4)	94	26	29	30	0.70	29	0.64	0.06
	Uri-I HPS (4*120)	480	475	480	480	11.64	485	11.40	0.24
	Uri-II HPS (4*60)	240	236	240	237	5.71	238	5.67	0.04
	Dhauliganga-HPS (4*70)	280	280	278	0	1.85	77	1.86	0.00
	Dulhasti-HPS (3*130)	390	387	398	0	4.17	174	4.00	0.17
	Sewa-II HPS (3*40)	120	124	135	129	3.14	131	2.98	0.17
	Parbati 3 (4*130)	520	260	259	0	0.86	36	0.85	0.01
	Sub Total (C)	**4065**	**3215**	**3405**	**1405**	**55**	**2311**	**53**	**2.18**
D.SJVNL	NJPC (6*250)	1500	1605	1610	0	11.87	495	11.62	0.25
	Rampur HEP (6*68.67)	412	375	375	0	3.21	134	3.13	0.08
	Sub Total (D)	**1912**	**1980**	**1985**	**0**	**15.08**	**628**	**14.74**	**0.34**
E. THDC	Tehri HPS (4*250)	1000	500	500	0	5.57	232	5.50	0.07
	Koteshwar HPS (4*100)	400	104	201	94	2.57	107	2.50	0.07
	Sub Total (E)	**1400**	**604**	**701**	**94**	**8.14**	**339**	**8.00**	**0.14**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	340	535	311	8.20	342	8.17	0.03
	Dehar HPS (6*165)	990	317	660	165	7.81	326	7.61	0.20
	Pong HPS (6*66)	396	14	55	0	0.34	14	0.33	0.01
	Sub Total (F)	**2765**	**671**	**1250**	**476**	**16.35**	**681**	**16.11**	**0.24**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	56	13	0.98	41	1.10	-0.12
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	790	0	6.60	275	6.34	0.27
	Malana Stg-II HPS (2*50)	100	0	0	0	0.44	18	0.44	0.00
	Shree Cement TPS (2*150)	300	0	122	112	2.68	112	2.77	-0.08
	Budhil HPS(IPP) (2*35)	70	0	36	0	0.36	15	0.38	-0.02
	Sub Total (G)	**1662**	**0**	**1003**	**124**	**11.06**	**461**	**11.02**	**0.04**
H. Total Regional Entities (A-G)		**25237**	**17827**	**17615**	**10165**	**288.72**	**12030**	**289.49**	**-0.77**

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	160	160	3.48	145
	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	204	204	4.45	185
	Goindwal(GVK) (2*270)	540	0	0	0.00	0

	Rajpura (2*700)	1400	1320	1020	28.84	1202
	Talwandi Saboo (3*660)	1980	1150	924	27.59	1150
	Thermal (Total)	**6560**	**2834**	**2308**	64.36	**2681**
	Total Hydro	1000	211	84	2.78	116
	Wind Power	0	0	0	0.00	0
	Biomass	288	9	9	0.21	9
	Solar	560	0	0	0.00	0
	Renewable(Total)	**848**	**9**	**9**	**0.22**	**9**
	Total Punjab	**8408**	**3054**	**2401**	**67.35**	**2806**
Haryana	Panipat TPS (2*210+2*250)	920	225	211	5.24	218
	DCRTPP (Yamuna nagar) (2*300)	600	558	442	11.19	466
	Faridabad GPS (NTPC)(2*137.75+1*156)	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	377	374	8.91	371
	Thermal (Total)	**4497**	**1160**	**1027**	**25.34**	**1056**
	Total Hydro	62	22	24	0.50	21
	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**	**1182**	**1051**	**25.83**	**1076**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	322	467	9.43	393
	suratgarh TPS (6*250)	1500	182	1	3.56	148
	Chabra TPS (4*250)	1000	1012	871	23.20	967
	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	171	174	4.46	186
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.25	177
	Barsingsar (NLC) (2*125)	250	205	202	4.60	192
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	805	443	14.41	601
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	414	388	9.87	411
	Kawai(Adani) (2*660)	1320	1156	860	26.11	1088
	Thermal (Total)	**8876**	**4461**	**3600**	**99.88**	**4162**
	Total Hydro	550	22	20	0.67	28
	Wind power	4017	171	1266	11.15	464
	Biomass	99	19	19	0.45	19
	Solar	1295	2	0	0.51	21
	Renewable/Others (Total)	5411	192	1285	12.11	504
	Total Rajasthan	**14837**	**4675**	**4905**	**112.66**	**4694**
UP	Anpara TPS (3*210+2*500)	1630	1402	1402	32.76	1365
	Obra TPS (2*50+2*94+5*200)	1194	647	514	12.31	513
	Paricha TPS (2*110+2*220+2*250)	1160	844	885	18.08	753
	Panki TPS (2*105)	210	144	144	3.22	134
	Harduaganj TPS (1*60+1*105+2*250)	665	302	327	6.38	266
	Tanda TPS (NTPC) (4*110)	440	280	284	6.19	258
	Roza TPS (IPP) (4*300)	1200	806	837	15.94	664
	Anpara-C (IPP) (2*600)	1200	1053	1058	25.04	1043
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	405	7.34	306
	Anpara-D(2*500)	1000	830	855	19.16	798
	Lalitpur TPS(3*660)	1980	1165	1175	23.26	969
	Bara(2*660)	1320	0	584	9.77	407
	Thermal (Total)	**12449**	**7756**	**8470**	**179.44**	**7476**
	Vishnuparyag HPS (IPP)(4*110)	440	93	103	2.35	98
	Alaknanada(4*82.5)	330	84	84	1.68	70
	Other Hydro	527	64	104	2.19	91
	Cogeneration	981	750	750	18.00	750
	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**	**8747**	**9511**	**203.66**	**8486**
Uttarakhand	Other Hydro	1250	430	229	8.57	357
	Total Gas	225	272	291	6.58	274
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.44	18
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.44	18
	Total Uttarakhand	1802	702	520	15.58	649
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	118	131	3.21	134
	Pragati Gas Turbine (2x104+ 1x122)	330	144	146	3.64	152
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	498	8.83	368
	Badarpur TPS (NTPC) (3*95+2*210)	705	163	169	3.46	144
	Thermal (Total)	**2917**	**676**	**944**	**19.14**	**797**
	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**	**676**	**944**	**19.14**	**797**
HP	Baspa HPS (IPP) (3*100)	300	32	0	1.09	45
	Malana HPS (IPP) (2*43)	86	25	0	0.56	23
	Other Hydro (>25MW)	372	161	134	4.00	167
	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	208	223	5.15	215
	Renewable(Total)	**486**	**208**	**223**	**5.15**	**215**
	Total HP	**1244**	**426**	**357**	**10.79**	**450**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	446	446	10.70	446
	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**	**582**	**566**	**14**	**565**

Total State Control Area Generation	**50078**	**20044**	**20254**	**468.57**	**19524**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**8096**	**8080**	**192.98**	**8041**
Total Regional Availability(Gross)	**75315**	**45755**	**38500**	**950.27**	**39595**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9054**	**1988**	**106.05**	**4419**
State Control Area Hydro	**7163**	**2206**	**1862**	**43.10**	**2088**
Total Regional Hydro	**19397**	**11260**	**3849**	**149.15**	**6507**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.13**	**5**
State Control Area Renewable	**7356**	**409**	**1516**	**17.91**	**746**
Total Regional Renewable	**7386**	**409**	**1516**	**18.04**	**752**

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

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	-250	-300	0	300	0.00	6.38	-6.38
765 KV Gwalior-Agra (D/C)	2268	2463	2622	0	54.30	0.00	54.30
400 KV Zerda-Kankroli	10	-171	39	239	0.00	2.33	-2.33
400 KV Zerda-Bhinmal	72	-166	95	244	0.00	1.00	-1.00
220 KV Auraiya-Malanpur	6	6	4	0	0.07	0.00	0.07
220 KV Badod-Kota/Morak	137	39	183	8	2.04	0.00	2.04
Mundra-Mohindergarh(HVDC Bipole)	1202	1700	1719	0.00	31.96	0.00	31.96
400 KV RAPPC-Sujalpur	410	255	470	0	8.43	0.00	8.43
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1159	1324	1362	0	28.61	0.00	28.61
+/- 800 kV HVDC Champa-Kurushetra	1000	0	1000	0	20.13	0.00	20.13
Sub Total WR	**6014**	**5150**			**145.52**	**9.71**	**135.82**
400 kV Sasaram - Varanasi	129	138	150	0	2.99	0.00	2.99
400 kV Sasaram - Allahabad	-10	3	21	43	0.00	0.05	-0.05
400 KV MZP- GKP (D/C)	141	555	645	0	11.09	0.00	11.09
400 KV Patna-Balia(D/C) X 2	489	679	778	0	15.32	0.00	15.32
400 KV B'Sharif-Balia (D/C)	-6	195	253	6	3.85	0.00	3.85
765 KV Gaya-Balia	160	227	270	0	2.58	0.00	2.58
765 KV Gaya-Varanasi (D/C)	218	297	426	0	6.76	0.00	6.76
220 KV Pusauli-Sahupuri	119	206	216	0	3.91	0.00	3.91
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.48	-0.48
132 KV Son Ngr-Rihand	-30	-27	0	38	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-159	-152	69	232	0.00	1.89	-1.89
400 KV Barh -GKP (D/C)	412	330	420	0	8.44	0.00	8.44
400 kV B'Sharif - Varanasi (D/C)	103	-21	76	117	0.07	0.00	0.07
Sub Total ER	**1566**	**2430**			**55.00**	**3.00**	**52.00**
+/- 800 KV HVDC BiswanathCharialli-Agra	516	500	500	0.00	5.16	0.00	5.16
Sub Total NER	**516**	**500**			**5.16**	**0.00**	**5.16**
Total IR Exch	**8096**	**8080**			**205.68**	**12.71**	**192.98**

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	**Bhutan**	**Total**	**Through ER**	**Through WR**	**Through ER**	**Through WR**	**Through ER**	**Through WR**
38.77	0.79	39.57	-0.93	-1.51	-4.56	3.12	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**
34.08	151.37	185.45	57.16	135.82	192.98	23.08	-15.56	7.53

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

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	0	-30	0	37	0	1	-0.69

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	0.00	3.15	48.08	74.38	17.67	4.87	0.00	0.00

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Frequency	Variation		MAX	MIN	
Freq	**Time**	**Freq**	**Time**	**Hz**	**Index**		(Hz)	(Hz)	
50.17	7.03	49.84	0.07	50.01	0.032	0.056	50.10	49.92	25.62

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	406	15:46	400	3:26	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	412	13:58	397	19:12	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	23:12	400	10:46	0.0	0.0	0.0	0.0	0.0
Kanpur	400	413	1:13	400	19:18	0.0	0.0	0.0	0.0	0.0
Dadri	400	422	1:14	406	19:08	0.0	0.0	2.0	0.0	2.0
Ballabhgarh	400	422	1:12	404	19:13	0.0	0.0	1.2	0.0	1.2
Bawana	400	421	1:05	404	19:09	0.0	0.0	1.2	0.0	1.2
Bassi	400	422	18:00	403	19:28	0.0	0.0	1.0	0.0	1.0
Hissar	400	420	1:10	401	19:12	0.0	0.0	0.0	0.0	0.0
Moga	400	420	1:03	403	19:13	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	422	2:02	404	19:10	0.0	0.0	0.4	0.0	0.4
Nalagarh	400	429	1:12	408	11:12	0.0	0.0	23.3	0.0	23.3
Kishenpur	400	421	3:26	402	19:25	0.0	0.0	0.7	0.0	0.7
Wagoora	400	407	3:48	381	19:48	0.0	51.1	0.0	0.0	0.0
Amritsar	400	423	1:04	404	11:12	0.0	0.0	11.5	0.0	11.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	413	0:00	401	10:23	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	418	23:03	399	10:40	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 Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	774	15:52	747	19:14	0.0	0.0	0.0	0.0	0.0
Balia	765	779	15:52	752	19:14	0.0	0.0	0.0	0.0	0.0

Moga	765	803	1:12	771	19:13	0.0	0.0	1.3	0.0	1.3
Agra	765	789	17:50	763	19:14	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	1:05	780	12:21	0.0	0.0	2.8	0.0	2.8
Unnao	765	773	15:50	749	19:14	0.0	0.0	0.0	0.0	0.0
Lucknow	765	782	13:31	762	10:46	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	1:12	769	6:05	0.0	0.0	2.2	0.0	2.2
Jhatikara	765	803	1:13	773	19:16	0.0	0.0	1.2	0.0	1.2
Bareilly 765 kV	765	790	23:07	763	19:13	0.0	0.0	0.0	0.0	0.0
Anta	765	793	1:11	778	5:59	0.0	0.0	0.0	0.0	0.0
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. Reservior Parameters:

Name of Reservior	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	464.42	186.89	480.14	461.24	299.62	270.68
Pong	426.72	384.05	396.72	157.28	395.99	141.12	66.35	25.63
Tehri	829.79	740.04	762.15	138.55	753.50	73.52	55.72	171.00
Koteshwar	612.50	598.50	611.40	5.20	610.93	5.10	171.00	169.04
Chamera-I	760.00	748.75	752.16	0.00	0.00	0.00	195.37	234.95
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	507.60	0.89	496.70	0.44	138.70	42.45

*** 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	-101	0	0	-101	-101	0	-2.42	-1.26	-3.67
Delhi	-273	-97	0	-193	-3	0	-3.84	0.64	-3.20
Haryana	33	-224	0	33	194	0	-1.63	1.47	-0.16
HP	77	-24	0	34	-639	0	1.62	-5.02	-3.40
J&K	-46	0	0	-46	-140	0	-1.10	-0.46	-1.56
CHD	0	0	0	0	0	0	0.00	0.13	0.13
Rajasthan	17	366	0	16	305	0	0.55	7.10	7.65
UP	65	-100	0	97	625	0	1.71	0.04	1.75
Uttarakhand	214	-153	0	67	209	0	4.56	0.16	4.71
Total	**-15**	**-233**	**0**	**-93**	**450**	**0**	**-0.55**	**2.79**	**2.24**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-101	0	-453	0	0
Delhi	-16	-370	204	-169	0	0
Haryana	33	-169	270	-580	0	0
HP	81	34	22	-994	0	0
J&K	-46	-46	124	-277	0	0
CHD	0	0	35	-25	0	0
Rajasthan	46	13	388	-454	0	0
UP	103	29	768	-100	0	0
Uttarakhand	242	67	298	-272	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	11
Haryana	0	8
Rajasthan	1	13
Delhi	3	36
UP	3	26
Uttarakhand	4	36
HP	4	25
J & K	2	15
Chandigarh	4	41

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.04.2017 :

XVI. Synchronisation of new generating units :

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

FIRST TIME CHARGING :
1. 400KV Amritsar-Malerkotla ckt2 first time charged @ 15:39Hrs on 01.04.2017
2. 400KV ICT-2 at Gonda first time charged from 220KV side @ 16:56Hrs on 01.04.2017

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 : 01.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER