पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 28.03.2017

Date of Reporting : 29.03.2017

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
41203	1123	42326	49.91	35244	392	35635	49.96	933.40	11.24

* 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	60.44	3.34	0.31	64.10	64.88	63.57	-1.31	127.67	0.00
Haryana	15.96	0.51	0.00	16.47	104.45	104.09	-0.35	120.56	0.20
Rajasthan	90.01	1.62	32.36	123.99	65.18	64.30	-0.88	188.30	0.00
Delhi	13.19		0.00	13.19	63.53	64.15	0.62	77.34	0.70
UP	199.76	5.60	0.00	205.36	106.55	109.42	2.87	314.78	0.00
Uttarakhand		8.65	0.00	15.53	20.76	18.35	-2.41	33.88	0.00
HP		10.03	4.73	10.03	14.19	15.52	1.33	25.55	0.00
J & K		11.48	0.00	11.48	30.26	29.89	-0.37	41.37	10.34
Chandigarh				0.00	4.06	3.95	-0.10	3.95	0.00
Total	**379.37**	**41.23**	**37.41**	**460.15**	**473.85**	**473.25**	**-0.60**	**933.40**	11.24

* 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	5799	0	-494	0	4290	0	-141	-76	6234	20:00	0
Haryana	5837	42	47	201	4071	0	-28	-242	5928	20:00	389
Rajasthan	7028	0	-15	437	7809	0	75	443	8695	24:00	0
Delhi	3648	0	5	-120	2493	11	83	-579	3736	20:00	4
UP	13964	600	336	55	12929	0	238	67	13966	8:00	0
Uttarakhand	1757	0	93	320	1196	0	-103	188	1760	20:00	0
HP	1040	0	-71	-272	819	0	33	125	1312	8:00	0
J&K	1928	482	132	110	1524	381	-60	175	1964	20:00	491
Chandigarh	202	0	-7	-15	111	0	0	0	202	19:00	0
Total	**41203**	**1123**	**24**	**716**	**35244**	**392**	**97**	**102**	**43187**	**20:00**	**944**

* 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	1810	2000	1967	43.79	1824	43.31	0.48
	Rihand I STPS (2*500)	1000	891	994	965	20.62	859	20.60	0.02
	Rihand II STPS (2*500)	1000	951	1025	1036	22.80	950	22.32	0.48
	Rihand III STPS (2*500)	1000	960	987	1016	22.31	930	22.20	0.10
	Dadri I STPS (4*210)	840	815	409	323	8.78	366	9.54	-0.76
	Dadri II STPS (2*490)	980	490	411	367	9.67	403	10.33	-0.65
	Unchahar I TPS (2*210)	420	407	347	332	8.03	334	8.12	-0.10
	Unchahar II TPS (2*210)	420	405	323	324	7.79	325	7.84	-0.05
	Unchahar III TPS (1*210)	210	203	167	154	3.94	164	4.08	-0.14
	ISTPP (Jhajjhar) (3*500)	1500	1440	971	696	20.67	861	21.02	-0.34
	Dadri GPS (4*130.19+2*154.51)	830	383	374	325	8.40	350	8.66	-0.26
	Anta GPS (3*88.71+1*153.2)	419	262	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	644	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.00	0	0.03	-0.03
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.04	0.00
	Singrauli Solar(15)	15	3	0	0	0.04	2	0.07	-0.03
	KHEP(4*200)	800	872	0	0	0.00	0	2.62	-2.62
	Sub Total (A)	**12112**	**10537**	**8008**	**7505**	**177**	**7371**	**181**	**-3.88**
B. NPC	NAPS (2*220)	440	395	428	433	9.40	392	9.48	-0.08
	RAPS- B (2*220)	440	376	403	410	8.72	363	9.02	-0.30
	RAPS- C (2*220)	440	210	229	233	4.81	201	5.04	-0.23
	Sub Total (B)	**1320**	**981**	**1060**	**1076**	**22.94**	**956**	**23.54**	**-0.61**
C. NHPC	Chamera I HPS (3*180)	540	541	561	0	10.44	435	10.00	0.44
	Chamera II HPS (3*100)	300	301	310	105	4.14	172	3.83	0.31
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	185	183	3.56	148	3.44	0.12
	Salal-HPS (6*115)	690	336	458	362	9.28	387	8.07	1.21
	Tanakpur-HPS (3*31.4)	94	19	30	24	0.59	25	0.45	0.14
	Uri-I HPS (4*120)	480	475	480	480	11.64	485	11.40	0.24
	Uri-II HPS (4*60)	240	237	241	241	5.74	239	5.69	0.05
	Dhauliganga-HPS (4*70)	280	280	286	70	1.62	68	1.47	0.15
	Dulhasti-HPS (3*130)	390	387	406	0	4.69	196	4.50	0.19
	Sewa-II HPS (3*40)	120	124	135	1	3.08	128	2.98	0.10
	Parbati 3 (4*130)	520	260	263	0	0.93	39	0.91	0.02
	Sub Total (C)	**4065**	**3139**	**3356**	**1466**	**56**	**2322**	**53**	**2.99**
D.SJVNL	NJPC (6*250)	1500	1605	1629	0	9.32	388	8.79	0.53
	Rampur HEP (6*68.67)	412	375	379	0	2.56	107	2.41	0.15
	Sub Total (D)	**1912**	**1980**	**2008**	**0**	**11.88**	**495**	**11.20**	**0.68**
E. THDC	Tehri HPS (4*250)	1000	519	516	0	6.51	271	6.50	0.01
	Koteshwar HPS (4*100)	400	125	303	93	3.09	129	3.00	0.09
	Sub Total (E)	**1400**	**644**	**819**	**93**	**9.60**	**400**	**9.50**	**0.10**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	427	804	362	10.69	445	10.26	0.43
	Dehar HPS (6*165)	990	317	495	165	7.81	325	7.60	0.21
	Pong HPS (6*66)	396	14	55	0	0.34	14	0.33	0.01
	Sub Total (F)	**2765**	**758**	**1354**	**527**	**18.83**	**785**	**18.19**	**0.64**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	61	60	1.12	47	1.01	0.11
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	670	0	5.02	209	4.69	0.33
	Malana Stg-II HPS (2*50)	100	0	0	0	0.48	20	0.47	0.01
	Shree Cement TPS (2*150)	300	0	-7	-2	0.26	11	3.87	-3.62
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.28	12	0.26	0.02
	Sub Total (G)	**1662**	**0**	**724**	**59**	**7.16**	**298**	**10.31**	**-3.15**
H. Total Regional Entities (A-G)		**25237**	**18039**	**17328**	**10725**	**303.03**	**12626**	**306.25**	**-3.22**

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	3.77	157
	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	205	205	4.85	202
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	660	25.27	1053
	Talwandi Saboo (3*660)	1980	1300	924	26.60	1108
	Thermal (Total)	**6560**	**2985**	**1949**	60.44	**2518**
	Total Hydro	1000	116	118	3.34	139
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.24	10
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**0**	**0**	**0.31**	**13**
	Total Punjab	**8408**	**3101**	**2067**	**64.10**	**2671**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	280	4	5.26	219
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	496	376	10.70	446
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**776**	**380**	**15.96**	**665**
	Total Hydro	62	16	29	0.51	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**	**792**	**409**	**16.47**	**686**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	407	311	7.80	325
	suratgarh TPS (6*250)	1500	183	180	4.59	191
	Chabra TPS (4*250)	1000	590	746	14.84	618
	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	135	137	3.51	146
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.27	178
	Barsingsar (NLC) (2*125)	250	210	210	4.96	207
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	636	380	14.61	609
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	422	406	10.80	450
	Kawai(Adani) (2*660)	1320	890	864	24.64	1026
	Thermal (Total)	**8876**	**3667**	**3428**	**90.01**	**3751**
	Total Hydro	550	61	55	1.62	67
	Wind power	4017	707	1623	28.77	1199
	Biomass	99	23	23	0.55	23
	Solar	1295	0	0	3.04	127
	Renewable/Others (Total)	5411	730	1646	32.36	1349
	Total Rajasthan	**14837**	**4458**	**5129**	**123.99**	**5166**
UP	Anpara TPS (3*210+2*500)	1630	1396	1226	32.80	1367
	Obra TPS (2*50+2*94+5*200)	1194	657	653	15.60	650
	Paricha TPS (2*110+2*220+2*250)	1160	761	794	18.30	763
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	166	227	4.80	200
	Tanda TPS (NTPC) (4*110)	440	376	390	9.06	378
	Roza TPS (IPP) (4*300)	1200	411	554	12.00	500
	Anpara-C (IPP) (2*600)	1200	1076	1071	25.50	1063
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	841	822	19.60	817
	Lalitpur TPS(3*660)	1980	1178	1180	27.80	1158
	Bara(2*660)	1320	589	579	13.90	579
	Thermal (Total)	**12449**	**7451**	**7496**	**179.36**	**7474**
	Vishnuparyag HPS (IPP)(4*110)	440	88	80	2.20	92
	Alaknanada(4*82.5)	330	85	84	1.40	58
	Other Hydro	527	153	99	2.00	83
	Cogeneration	981	850	850	20.40	850
	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**	**8627**	**8609**	**205.36**	**8557**
Uttarakhand	Other Hydro	1250	374	215	8.65	361
	Total Gas	225	269	285	6.63	276
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.25	10
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.25	10
	Total Uttarakhand	1802	643	500	15.53	647
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	118	67	2.43	101
	Pragati Gas Turbine (2x104+ 1x122)	330	145	151	3.64	152
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	307	250	7.12	297
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**570**	**468**	**13.19**	**550**
	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**	**570**	**468**	**13.19**	**550**
HP	Baspa HPS (IPP) (3*100)	300	0	29	0.85	36
	Malana HPS (IPP) (2*43)	86	0	0	0.55	23
	Other Hydro (>25MW)	372	114	167	3.89	162
	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	207	174	4.73	197
	Renewable(Total)	**486**	**207**	**174**	**4.73**	**197**
	Total HP	**1244**	**321**	**371**	**10.03**	**418**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	513	290	8.61	359
	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**	**649**	**410**	**11**	**478**

Total State Control Area Generation	**50078**	**19162**	**17962**	**460.15**	**19173**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**7278.33**	**7929.09**	**186.27**	**7761**
Total Regional Availability(Gross)	**75315**	**43769**	**36617**	**949.45**	**39561**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8267**	**2146**	**102.66**	**4278**
State Control Area Hydro	**7163**	**2132**	**1746**	**41.23**	**2004**
Total Regional Hydro	**19397**	**10400**	**3892**	**143.89**	**6282**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.09**	**4**
State Control Area Renewable	**7356**	**937**	**1820**	**37.66**	**1569**
Total Regional Renewable	**7386**	**937**	**1820**	**37.75**	**1573**

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)	-300	-300	0	300	0.00	7.37	-7.37
765 KV Gwalior-Agra (D/C)	2308	2361	2460	0	50.89	0.00	50.89
400 KV Zerda-Kankroli	-133	-69	0	230	0.00	3.25	-3.25
400 KV Zerda-Bhinmal	-102	-56	9	241	0.00	2.56	-2.56
220 KV Auraiya-Malanpur	-16	-5	0	59	0.00	0.49	-0.49
220 KV Badod-Kota/Morak	1	0	57	29	0.69	0.00	0.69
Mundra-Mohindergarh(HVDC Bipole)	1502	999	1504	0.00	28.75	0.00	28.75
400 KV RAPPC-Sujalpur	380	200	398	0	6.64	0.00	6.64
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1178	1311	1447	0	29.35	0.00	29.35
+/- 800 kV HVDC Champa-Kurushetra	600	1500	1500	0	25.10	0.00	25.10
Sub Total WR	**5418**	**5941**			**141.42**	**13.66**	**127.76**
400 kV Sasaram - Varanasi	299	293	305	0	10.45	0.00	10.45
400 kV Sasaram - Allahabad	86	96	113	0	2.35	0.00	2.35
400 KV MZP- GKP (D/C)	217	250	523	0	8.03	0.00	8.03
400 KV Patna-Balia(D/C) X 2	570	785	860	0	18.27	0.00	18.27
400 KV B'Sharif-Balia (D/C)	97	103	213	0	3.03	0.00	3.03
765 KV Gaya-Balia	253	190	299	0	5.05	0.00	5.05
765 KV Gaya-Varanasi (D/C)	290	290	554	0	8.35	0.00	8.35
220 KV Pusauli-Sahupuri	197	172	197	0	3.67	0.00	3.67
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-26	0	30	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-166	-159	2	210	0.00	2.75	-2.75
400 KV Barh -GKP (D/C)	450	444	518	0	11.17	0.00	11.17
400 kV B'Sharif - Varanasi (D/C)	93	50	112	110	0.00	0.35	-0.35
Sub Total ER	**2360**	**2488**			**70.37**	**3.62**	**66.76**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	8.25	-8.25
Sub Total NER	**-500**	**-500**			**0.00**	**8.25**	**-8.25**
Total IR Exch	**7278**	**7929**			**211.80**	**25.53**	**186.27**

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**
46.45	0.57	47.02	-2.51	-0.11	1.58	10.49	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**
46.09	146.16	192.25	58.51	127.76	186.27	12.42	-18.40	-5.98

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	-37	-27	0	40	0	1	-0.80

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	1.47	18.24	67.67	71.69	8.21	1.89	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)	
50.16	16.03	49.73	20.17	49.96	0.060	0.069	50.05	49.86	28.31

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	405	4:00	401	18:53	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	411	0:01	394	18:42	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	415	1:55	396	10:36	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	1:57	400	18:50	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	1:54	400	9:37	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	421	3:47	398	9:40	0.0	0.0	0.6	0.0	0.6
Bawana	400	422	3:48	402	9:41	0.0	0.0	1.8	0.0	1.8
Bassi	400	424	3:59	404	9:35	0.0	0.0	5.7	0.0	5.7
Hissar	400	420	3:47	401	9:37	0.0	0.0	0.0	0.0	0.0
Moga	400	421	3:48	402	12:22	0.0	0.0	0.1	0.0	0.1
Abdullapur	400	424	20:48	405	12:23	0.0	0.0	7.8	0.0	7.8
Nalagarh	400	425	3:50	407	12:08	0.0	0.0	16.9	0.0	16.9
Kishenpur	400	423	3:47	402	19:09	0.0	0.0	8.9	0.0	8.9
Wagoora	400	407	3:48	377	19:15	4.0	58.7	0.0	0.0	4.0
Amritsar	400	424	2:52	402	10:36	0.0	0.0	14.4	0.0	14.4
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	407	0:00	405	19:17	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	1:53	395	9:36	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	776	3:48	746	18:49	0.0	0.0	0.0	0.0	0.0
Balia	765	787	3:48	758	18:43	0.0	0.0	0.0	0.0	0.0

Moga	765	802	3:47	770	10:14	0.0	0.0	1.4	0.0	1.4
Agra	765	790	3:47	761	9:42	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	799	20:51	773	10:20	0.0	0.0	0.0	0.0	0.0
Unnao	765	769	3:48	744	18:54	0.0	0.0	0.0	0.0	0.0
Lucknow	765	786	3:48	756	18:49	0.0	0.0	0.0	0.0	0.0
Meerut	765	802	20:49	767	9:38	0.0	0.0	0.6	0.0	0.6
Jhatikara	765	804	1:57	766	9:43	0.0	0.0	7.7	0.0	7.7
Bareilly 765 kV	765	791	20:59	757	10:37	0.0	0.0	0.0	0.0	0.0
Anta	765	799	2:01	778	18:52	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	464.59	186.89	480.94	481.64	190.15	372.14
Pong	426.72	384.05	396.59	151.67	396.64	151.67	66.35	25.63
Tehri	829.79	740.04	764.25	156.60	755.55	88.00	74.03	197.00
Koteshwar	612.50	598.50	610.82	4.95	611.03	5.20	197.00	203.70
Chamera-I	760.00	748.75	753.56	0.00	0.00	0.00	199.93	282.62
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	506.29	0.84	496.36	1.03	228.54	40.69

*** 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	-76	0	0	0	0	0	-1.79	-0.12	-1.91
Delhi	-453	-126	0	-320	200	0	-6.72	1.55	-5.17
Haryana	-204	-38	0	-136	337	0	-3.99	5.17	1.18
HP	162	-37	0	-15	-257	0	3.98	-3.79	0.18
J&K	175	0	0	175	-65	0	4.20	1.27	5.47
CHD	0	0	0	0	-15	0	0.00	-0.15	-0.15
Rajasthan	23	420	0	31	406	0	0.62	9.17	9.80
UP	167	-100	0	155	-100	0	2.40	-2.40	0.00
Uttarakhand	73	115	0	0	320	0	1.61	4.38	5.99
Total	**-132**	**233**	**0**	**-110**	**826**	**0**	**0.31**	**15.07**	**15.38**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-176	0	-101	0	0
Delhi	-5	-455	267	-176	0	0
Haryana	-135	-235	382	-244	0	0
HP	323	-15	-2	-581	0	0
J&K	175	175	223	-216	0	0
CHD	0	0	20	-40	0	0
Rajasthan	34	19	420	74	0	0
UP	193	6	-100	-100	0	0
Uttarakhand	105	0	377	31	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	5	26
Haryana	2	15
Rajasthan	3	21
Delhi	2	18
UP	2	14
Uttarakhand	2	21
HP	2	16
J & K	3	22
Chandigarh	5	42

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 28.03.2017 :

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 : 28.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER