पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.03.2017

Date of Reporting : 28.03.2017

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
38057	408	38464	49.90	33382	397	33779	49.99	886.58	9.47

* 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	56.86	3.35	0.37	60.59	63.08	60.69	-2.38	121.28	0.00
Haryana	12.99	0.49	0.00	13.48	101.10	101.00	-0.09	114.48	0.00
Rajasthan	105.62	1.44	9.50	116.57	68.16	67.02	-1.14	183.59	0.00
Delhi	11.25		0.00	11.25	61.99	61.70	-0.29	72.95	0.03
UP	188.45	3.50	0.00	191.95	102.71	101.57	-1.13	293.52	0.00
Uttarakhand		7.96	0.00	14.90	19.98	19.65	-0.33	34.54	0.00
HP		8.53	4.47	8.53	15.25	16.22	0.96	24.75	0.00
J & K		9.97	0.00	9.97	32.40	27.80	-4.61	37.76	9.44
Chandigarh				0.00	3.87	3.71	-0.16	3.71	0.00
Total	**375.17**	**35.24**	**14.35**	**427.22**	**468.52**	**459.35**	**-9.17**	**886.58**	9.47

* 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	5656	0	-114	0	4090	0	-122	-50	6262	20:00	0
Haryana	5422	0	74	202	3284	0	84	89	5973	20:00	0
Rajasthan	6951	0	-51	410	7607	0	40	427	8785	23:00	0
Delhi	3518	0	54	-174	2266	0	-21	-565	3666	20:00	0
UP	11917	0	-144	4	12490	0	153	27	13476	7:00	0
Uttarakhand	1757	0	150	188	1196	0	-11	129	1760	20:00	0
HP	1024	4	56	-233	761	0	63	103	1297	8:00	0
J&K	1618	404	-260	285	1587	397	-40	299	1809	7:00	452
Chandigarh	194	0	-10	0	102	0	10	0	194	19:00	0
Total	**38057**	**408**	**-245**	**682**	**33382**	**397**	**155**	**459**	**41219**	**20:00**	**437**

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

Diversity is 1.05

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	1789	1877	1803	42.75	1781	42.35	0.40
	Rihand I STPS (2*500)	1000	923	1005	782	20.82	868	20.51	0.31
	Rihand II STPS (2*500)	1000	951	1027	828	22.46	936	21.59	0.87
	Rihand III STPS (2*500)	1000	960	1010	965	22.32	930	21.71	0.61
	Dadri I STPS (4*210)	840	815	385	283	7.59	316	7.96	-0.36
	Dadri II STPS (2*490)	980	490	441	342	8.75	364	9.04	-0.30
	Unchahar I TPS (2*210)	420	407	361	298	7.19	300	7.35	-0.16
	Unchahar II TPS (2*210)	420	405	333	305	7.02	293	7.15	-0.13
	Unchahar III TPS (1*210)	210	203	185	154	3.56	148	3.67	-0.11
	ISTPP (Jhajjhar) (3*500)	1500	1440	840	612	17.35	723	17.56	-0.22
	Dadri GPS (4*130.19+2*154.51)	830	394	376	331	8.64	360	8.94	-0.29
	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	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	2	0	0	0.04	2	0.04	0.00
	KHEP(4*200)	800	872	869	0	2.60	108	2.62	-0.02
	Sub Total (A)	**12112**	**10559**	**8709**	**6703**	**171**	**7131**	**171**	**0.60**
B. NPC	NAPS (2*220)	440	395	423	442	9.52	397	9.48	0.04
	RAPS- B (2*220)	440	376	408	420	8.84	368	9.02	-0.19
	RAPS- C (2*220)	440	210	230	231	4.84	202	5.04	-0.20
	Sub Total (B)	**1320**	**981**	**1061**	**1093**	**23.21**	**967**	**23.54**	**-0.34**
C. NHPC	Chamera I HPS (3*180)	540	541	555	0	10.31	430	9.98	0.33
	Chamera II HPS (3*100)	300	301	310	0	3.05	127	2.83	0.22
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	185	122	3.64	152	3.54	0.10
	Salal-HPS (6*115)	690	303	432	345	8.21	342	7.28	0.92
	Tanakpur-HPS (3*31.4)	94	19	17	20	0.49	21	0.46	0.03
	Uri-I HPS (4*120)	480	475	482	480	11.66	486	11.40	0.26
	Uri-II HPS (4*60)	240	237	241	241	5.74	239	5.69	0.05
	Dhauliganga-HPS (4*70)	280	280	277	0	1.36	57	1.30	0.07
	Dulhasti-HPS (3*130)	390	387	405	0	4.01	167	3.80	0.21
	Sewa-II HPS (3*40)	120	124	134	134	3.19	133	2.98	0.22
	Parbati 3 (4*130)	520	260	263	0	0.80	33	0.78	0.02
	Sub Total (C)	**4065**	**3107**	**3300**	**1341**	**52**	**2186**	**50**	**2.43**
D.SJVNL	NJPC (6*250)	1500	1096	1087	0	7.88	328	7.68	0.19
	Rampur HEP (6*68.67)	412	375	302	0	2.23	93	2.12	0.11
	Sub Total (D)	**1912**	**1471**	**1389**	**0**	**10.10**	**421**	**9.81**	**0.30**
E. THDC	Tehri HPS (4*250)	1000	584	519	0	6.51	271	6.50	0.01
	Koteshwar HPS (4*100)	400	125	302	91	3.07	128	3.00	0.07
	Sub Total (E)	**1400**	**709**	**821**	**91**	**9.57**	**399**	**9.50**	**0.07**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	434	807	361	10.64	443	10.42	0.22
	Dehar HPS (6*165)	990	288	495	165	7.06	294	6.92	0.14
	Pong HPS (6*66)	396	11	55	0	0.26	11	0.28	-0.02
	Sub Total (F)	**2765**	**734**	**1357**	**526**	**17.96**	**748**	**17.62**	**0.34**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.73	30	0.60	0.13
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	690	0	4.36	182	4.03	0.33
	Malana Stg-II HPS (2*50)	100	0	0	0	0.51	21	0.49	0.02
	Shree Cement TPS (2*150)	300	0	-5	123	1.58	66	3.47	-1.89
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.27	11	0.26	0.01
	Sub Total (G)	**1662**	**0**	**685**	**123**	**7.44**	**310**	**8.84**	**-1.41**
H. Total Regional Entities (A-G)		**25237**	**17561**	**17322**	**9877**	**291.90**	**12163**	**289.91**	**1.99**

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	210	180	3.83	159
	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	251	204	4.56	190
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	660	24.95	1040
	Talwandi Saboo (3*660)	1980	1024	924	23.57	982
	Thermal (Total)	**6560**	**2805**	**1968**	56.86	**2369**
	Total Hydro	1000	255	94	3.35	140
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.29	12
	Solar	560	0	0	0.09	4
	Renewable(Total)	**848**	**0**	**0**	**0.37**	**15**
	Total Punjab	**8408**	**3060**	**2062**	**60.59**	**2524**
Haryana	Panipat TPS (2*210+2*250)	920	0	201	1.00	42
	DCRTPP (Yamuna nagar) (2*300)	600	221	220	4.64	193
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	387	0	7.35	306
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**608**	**421**	**12.99**	**541**
	Total Hydro	62	23	28	0.49	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**	**631**	**449**	**13.48**	**562**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	300	315	7.56	315
	suratgarh TPS (6*250)	1500	182	182	4.72	197
	Chabra TPS (4*250)	1000	752	806	19.26	802
	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	131	158	3.99	166
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.22	176
	Barsingsar (NLC) (2*125)	250	210	220	4.96	207
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	381	542	13.33	555
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	823	849	20.24	843
	Kawai(Adani) (2*660)	1320	866	1198	27.34	1139
	Thermal (Total)	**8876**	**3839**	**4464**	**105.62**	**4401**
	Total Hydro	550	53	43	1.44	60
	Wind power	4017	430	187	9.04	377
	Biomass	99	19	19	0.46	19
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	449	206	9.50	396
	Total Rajasthan	**14837**	**4341**	**4713**	**116.57**	**4857**
UP	Anpara TPS (3*210+2*500)	1630	1181	1406	33.00	1375
	Obra TPS (2*50+2*94+5*200)	1194	545	591	15.10	629
	Paricha TPS (2*110+2*220+2*250)	1160	571	812	15.90	663
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	159	162	4.10	171
	Tanda TPS (NTPC) (4*110)	440	383	380	8.45	352
	Roza TPS (IPP) (4*300)	1200	382	370	9.70	404
	Anpara-C (IPP) (2*600)	1200	999	1069	25.50	1063
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	748	770	19.70	821
	Lalitpur TPS(3*660)	1980	716	1181	23.70	988
	Bara(2*660)	1320	381	583	12.90	538
	Thermal (Total)	**12449**	**6065**	**7324**	**168.05**	**7002**
	Vishnuparyag HPS (IPP)(4*110)	440	88	78	2.00	83
	Alaknanada(4*82.5)	330	85	84	1.20	50
	Other Hydro	527	0	0	0.30	13
	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**	**7088**	**8336**	**191.95**	**7998**
Uttarakhand	Other Hydro	1250	482	278	7.96	332
	Total Gas	225	272	291	6.69	279
	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	754	569	14.90	621
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	65	68	1.79	75
	Pragati Gas Turbine (2x104+ 1x122)	330	149	152	3.67	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	249	5.79	241
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**465**	**470**	**11.25**	**469**
	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**	**465**	**470**	**11.25**	**469**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.00	0
	Malana HPS (IPP) (2*43)	86	0	0	0.46	19
	Other Hydro (>25MW)	372	119	133	3.60	150
	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	193	166	4.47	186
	Renewable(Total)	**486**	**193**	**166**	**4.47**	**186**
	Total HP	**1244**	**311**	**300**	**8.53**	**355**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	296	296	7.10	296
	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**	**432**	**416**	**10**	**415**

Total State Control Area Generation	**50078**	**17082**	**17314**	**427.22**	**17801**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**7980.28**	**7275.39**	**186.26**	**7761**
Total Regional Availability(Gross)	**75315**	**42385**	**34467**	**905.38**	**37724**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8426**	**1958**	**98.30**	**4096**
State Control Area Hydro	**7163**	**2001**	**1612**	**35.24**	**1758**
Total Regional Hydro	**19397**	**10427**	**3570**	**133.54**	**5853**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.11**	**5**
State Control Area Renewable	**7356**	**642**	**372**	**14.59**	**608**
Total Regional Renewable	**7386**	**642**	**372**	**14.71**	**613**

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)	-500	-500	0	500	0.00	11.57	-11.57
765 KV Gwalior-Agra (D/C)	2252	2038	2556	0	50.29	0.00	50.29
400 KV Zerda-Kankroli	-131	-134	0	293	0.00	3.56	-3.56
400 KV Zerda-Bhinmal	-25	-38	29	260	0.00	1.72	-1.72
220 KV Auraiya-Malanpur	10	-21	0	41	0.00	0.06	-0.06
220 KV Badod-Kota/Morak	28	15	62	17	0.82	0.00	0.82
Mundra-Mohindergarh(HVDC Bipole)	1001	1099	1503	0.00	26.28	0.00	26.28
400 KV RAPPC-Sujalpur	503	400	510	0	9.99	0.00	9.99
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1214	1036	1541	0	28.97	0.00	28.97
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	33.90	0.00	33.90
Sub Total WR	**5852**	**5395**			**150.25**	**16.92**	**133.34**
400 kV Sasaram - Varanasi	277	278	289	0	6.70	0.00	6.70
400 kV Sasaram - Allahabad	113	110	150	0	2.69	0.00	2.69
400 KV MZP- GKP (D/C)	244	307	615	0	7.27	0.00	7.27
400 KV Patna-Balia(D/C) X 2	631	734	851	0	17.40	0.00	17.40
400 KV B'Sharif-Balia (D/C)	148	70	323	0	3.62	0.00	3.62
765 KV Gaya-Balia	292	176	389	0	4.69	0.00	4.69
765 KV Gaya-Varanasi (D/C)	393	200	607	0	7.80	0.00	7.80
220 KV Pusauli-Sahupuri	196	162	196	0	3.65	0.00	3.65
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-27	-21	0	27	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-116	-168	15	185	0.00	2.77	-2.77
400 KV Barh -GKP (D/C)	404	488	556	0	11.16	0.00	11.16
400 kV B'Sharif - Varanasi (D/C)	75	44	69	89	0.52	0.00	0.52
Sub Total ER	**2630**	**2380**			**65.49**	**3.31**	**62.18**
+/- 800 KV HVDC BiswanathCharialli-Agra	-502	-500	0	505.00	0.00	9.26	-9.26
Sub Total NER	**-502**	**-500**			**0.00**	**9.26**	**-9.26**
Total IR Exch	**7980**	**7275**			**215.75**	**29.49**	**186.26**

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
47.86	0.42	48.28	-2.97	-0.11	2.65	15.21	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
47.96	152.77	200.74	52.92	133.34	186.26	4.96	-19.44	-14.48

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	-38	-35	0	39	0	1	-0.78

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	0.20	1.76	16.44	69.39	73.39	7.70	2.13	0.37	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)	
50.24	7.01	49.66	18.58	49.97	0.064	0.072	50.12	49.80	26.61

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	0:01	401	9:17	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	20:54	399	10:15	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	20:54	387	11:04	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	20:53	398	10:20	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	3:00	401	10:06	0.0	0.0	18.4	0.0	18.4
Ballabhgarh	400	424	4:00	399	10:07	0.0	0.0	13.1	0.0	13.1
Bawana	400	424	2:00	402	9:54	0.0	0.0	15.6	0.0	15.6
Bassi	400	423	4:01	401	9:39	0.0	0.0	1.6	0.0	1.6
Hissar	400	421	3:00	401	9:36	0.0	0.0	0.8	0.0	0.8
Moga	400	420	2:53	402	9:45	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	425	0:00	405	9:56	0.0	0.0	18.2	0.0	18.2
Nalagarh	400	429	0:00	408	10:11	0.0	0.0	24.1	0.0	24.1
Kishenpur	400	422	3:50	404	9:45	0.0	0.0	3.9	0.0	3.9
Wagoora	400	404	13:01	381	6:49	0.0	27.0	0.0	0.0	0.0
Amritsar	400	425	2:51	404	9:39	0.0	0.0	19.6	0.0	19.6
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	421	2:48	403	0:00	0.0	0.0	1.1	0.0	1.1
Rishikesh	400	421	1:30	398	9:39	0.0	0.0	1.6	0.0	1.6

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	778	20:54	740	10:19	0.0	0.2	0.0	0.0	0.0
Balia	765	792	20:54	751	10:03	0.0	0.0	0.0	0.0	0.0

Moga	765	798	3:51	768	9:53	0.0	0.0	0.0	0.0	0.0
Agra	765	788	3:00	753	10:19	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	806	3:51	771	9:40	0.0	0.0	11.3	0.0	11.3
Unnao	765	773	20:54	743	10:19	0.0	0.0	0.0	0.0	0.0
Lucknow	765	792	20:53	756	10:10	0.0	0.0	0.0	0.0	0.0
Meerut	765	805	3:00	766	12:48	0.0	0.0	9.6	0.0	9.6
Jhatikara	765	805	3:59	766	9:39	0.0	0.0	11.3	0.0	11.3
Bareilly 765 kV	765	797	20:53	757	10:19	0.0	0.0	0.0	0.0	0.0
Anta	765	793	18:16	774	5:40	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	464.86	191.18	481.13	481.64	193.09	370.95
Pong	426.72	384.05	396.56	151.67	396.75	157.28	60.77	20.05
Tehri	829.79	740.04	764.85	161.84	756.15	91.11	48.34	196.00
Koteshwar	612.50	598.50	610.96	5.20	611.25	5.20	196.00	202.09
Chamera-I	760.00	748.75	754.50	0.00	0.00	0.00	186.59	278.94
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	505.88	0.89	496.22	2.10	215.60	29.38

*** 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	-50	0	0	0	0	0	-1.91	-0.08	-1.99
Delhi	-437	-127	0	-345	171	0	-7.08	1.68	-5.40
Haryana	-204	293	0	-136	338	0	-3.79	6.15	2.36
HP	113	-11	0	10	-244	0	3.88	-2.26	1.62
J&K	175	124	0	175	110	0	4.20	4.36	8.56
CHD	0	0	0	0	0	0	0.00	-0.05	-0.05
Rajasthan	31	397	0	29	381	0	0.74	8.36	9.10
UP	127	-100	0	104	-100	0	1.84	-2.40	-0.56
Uttarakhand	73	56	0	0	188	0	1.61	4.42	6.03
Total	**-173**	**632**	**0**	**-162**	**844**	**0**	**-0.52**	**20.18**	**19.66**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-302	0	-101	0	0
Delhi	-163	-438	273	-187	0	0
Haryana	-135	-205	355	-184	0	0
HP	428	10	127	-542	0	0
J&K	175	175	358	-14	0	0
CHD	0	0	30	-40	0	0
Rajasthan	42	16	397	-73	0	0
UP	169	5	-100	-100	0	0
Uttarakhand	105	0	343	30	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	3	25
Haryana	1	13
Rajasthan	4	28
Delhi	5	39
UP	0	12
Uttarakhand	2	16
HP	3	21
J & K	5	57
Chandigarh	2	24

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.03.2017 :

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 : 27.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER