पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 14.03.2017

Date of Reporting : 15.03.2017

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
35783	487	36270	49.95	23647	372	24019	50.05	750.98	10.37

* 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	17.41	8.02	0.35	25.79	50.95	50.33	-0.62	76.12	0.00
Haryana	3.56	0.39	0.00	3.95	90.52	90.52	0.00	94.47	0.00
Rajasthan	93.21	4.23	13.00	110.43	56.32	58.56	2.24	168.99	0.00
Delhi	6.90		0.00	6.90	45.29	43.90	-1.39	50.79	0.00
UP	154.56	3.99	0.00	158.56	107.40	108.23	0.83	266.79	0.00
Uttarakhand		7.05	0.00	8.96	18.32	18.39	0.07	27.35	0.00
HP		5.05	2.20	5.05	16.44	17.22	0.78	22.27	0.00
J & K		7.23	0.00	7.23	35.83	34.27	-1.56	41.50	10.37
Chandigarh				0.00	3.55	2.70	-0.85	2.70	0.00
Total	**275.64**	**35.97**	**15.54**	**326.86**	**424.61**	**424.12**	**-0.49**	**750.98**	10.37

* 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	4108	0	111	-57	1771	0	-213	-57	4514	20:00	0
Haryana	4827	0	0	-14	2344	0	0	-367	5081	20:00	0
Rajasthan	6799	0	245	307	6190	0	307	220	7983	8:00	0
Delhi	2480	0	-75	-164	1191	0	-250	-695	3015	11:00	0
UP	12788	0	-101	-95	9512	0	156	71	13958	20:00	0
Uttarakhand	1606	0	73	137	634	0	-106	81	1606	19:00	0
HP	1083	0	36	-87	439	0	-21	140	1244	8:00	0
J&K	1949	487	104	398	1489	372	-255	324	1949	19:00	487
Chandigarh	144	0	-40	-20	76	0	-31	0	146	8:00	0
Total	**35783**	**487**	**352**	**405**	**23647**	**372**	**-412**	**-284**	**38791**	**20:00**	**483**

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

Diversity is 1.02

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	1679	1465	1511	36.90	1538	37.09	-0.19
	Rihand I STPS (2*500)	1000	956	924	653	19.66	819	20.24	-0.58
	Rihand II STPS (2*500)	1000	963	942	664	20.23	843	20.44	-0.21
	Rihand III STPS (2*500)	1000	969	920	706	20.49	854	20.79	-0.30
	Dadri I STPS (4*210)	840	815	202	147	3.77	157	4.00	-0.23
	Dadri II STPS (2*490)	980	980	379	332	8.31	346	8.91	-0.60
	Unchahar I TPS (2*210)	420	407	389	282	6.87	286	7.50	-0.63
	Unchahar II TPS (2*210)	420	405	334	262	6.32	263	7.25	-0.93
	Unchahar III TPS (1*210)	210	203	175	137	3.26	136	3.62	-0.36
	ISTPP (Jhajjhar) (3*500)	1500	1440	627	604	14.73	614	15.18	-0.45
	Dadri GPS (4*130.19+2*154.51)	830	0	0	0	0.00	0	0.00	0.00
	Anta GPS (3*88.71+1*153.2)	419	411	261	181	5.10	212	5.02	0.08
	Auraiya GPS (4*111.19+2*109.30)	663	644	133	106	3.21	134	3.26	-0.06
	Dadri Solar(5)	5	1	0	0	0.00	0	0.03	-0.03
	Unchahar Solar(10)	10	2	0	0	0.00	0	0.04	-0.04
	Singrauli Solar(15)	15	0	0	0	0.00	0	0.00	0.00
	KHEP(4*200)	800	872	865	0	2.62	109	2.62	0.01
	Sub Total (A)	**12112**	**10746**	**7616**	**5585**	**151**	**6311**	**156**	**-4.51**
B. NPC	NAPS (2*220)	440	418	448	455	10.04	418	10.03	0.00
	RAPS- B (2*220)	440	384	424	428	9.20	383	9.22	-0.02
	RAPS- C (2*220)	440	410	442	452	9.62	401	9.84	-0.22
	Sub Total (B)	**1320**	**1212**	**1314**	**1335**	**28.85**	**1202**	**29.09**	**-0.23**
C. NHPC	Chamera I HPS (3*180)	540	540	559	0	3.52	147	3.30	0.22
	Chamera II HPS (3*100)	300	301	313	0	1.38	57	1.25	0.13
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	184	60	1.59	66	1.55	0.05
	Salal-HPS (6*115)	690	221	500	250	5.76	240	5.31	0.45
	Tanakpur-HPS (3*31.4)	94	21	15	20	0.50	21	0.50	0.00
	Uri-I HPS (4*120)	480	431	354	455	10.78	449	10.33	0.45
	Uri-II HPS (4*60)	240	234	241	246	5.71	238	5.61	0.11
	Dhauliganga-HPS (4*70)	280	140	141	0	0.88	37	0.84	0.04
	Dulhasti-HPS (3*130)	390	387	399	0	2.65	110	2.50	0.15
	Sewa-II HPS (3*40)	120	118	129	0	1.99	83	1.96	0.03
	Parbati 3 (4*130)	520	130	132	0	0.41	17	0.39	0.02
	Sub Total (C)	**4065**	**2701**	**2967**	**1031**	**35**	**1465**	**34**	**1.63**
D.SJVNL	NJPC (6*250)	1500	1605	1622	0	6.35	264	6.20	0.15
	Rampur HEP (6*68.67)	412	375	375	0	1.63	68	1.61	0.02
	Sub Total (D)	**1912**	**1980**	**1997**	**0**	**7.98**	**333**	**7.81**	**0.17**
E. THDC	Tehri HPS (4*250)	1000	756	560	0	8.19	341	8.00	0.19
	Koteshwar HPS (4*100)	400	125	297	64	2.92	122	3.00	-0.08
	Sub Total (E)	**1400**	**881**	**857**	**64**	**11.11**	**463**	**11.00**	**0.11**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	444	929	333	11.13	464	10.65	0.48
	Dehar HPS (6*165)	990	132	495	0	3.22	134	3.18	0.04
	Pong HPS (6*66)	396	152	280	0	3.63	151	3.65	-0.02
	Sub Total (F)	**2765**	**728**	**1704**	**333**	**17.98**	**749**	**17.48**	**0.50**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.34	14	0.32	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	620	0	3.49	146	3.55	-0.06
	Malana Stg-II HPS (2*50)	100	0	0	0	0.17	7	0.16	0.00
	Shree Cement TPS (2*150)	300	0	129	83	2.64	110	2.62	0.02
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.19	8	0.19	0.00
	Sub Total (G)	**1662**	**0**	**749**	**83**	**6.82**	**284**	**6.85**	**-0.03**
H. Total Regional Entities (A-G)		**25237**	**18248**	**17205**	**8430**	**259.38**	**10807**	**261.74**	**-2.36**

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	-0.11	-5
	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	-0.08	-3
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	860	660	17.80	742
	Talwandi Saboo (3*660)	1980	0	0	-0.16	-7
	Thermal (Total)	**6560**	**860**	**660**	17.41	**725**
	Total Hydro	1000	455	198	8.02	334
	Wind Power	0	0	0	0.00	0
	Biomass	288	11	11	0.26	11
	Solar	560	0	0	0.09	4
	Renewable(Total)	**848**	**11**	**11**	**0.35**	**15**
	Total Punjab	**8408**	**1326**	**869**	**25.79**	**1074**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	164	151	3.56	148
	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	0	0	0.00	0
	Thermal (Total)	**4497**	**164**	**151**	**3.56**	**148**
	Total Hydro	62	9	10	0.39	16
	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**	**173**	**161**	**3.95**	**165**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	296	309	6.94	289
	suratgarh TPS (6*250)	1500	180	184	4.47	186
	Chabra TPS (4*250)	1000	761	709	18.16	757
	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	176	179	4.41	184
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.29	179
	Barsingsar (NLC) (2*125)	250	213	217	4.92	205
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	384	381	9.99	416
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	826	813	19.85	827
	Kawai(Adani) (2*660)	1320	862	454	20.18	841
	Thermal (Total)	**8876**	**3892**	**3440**	**93.21**	**3884**
	Total Hydro	550	242	119	4.23	176
	Wind power	4017	114	440	9.52	397
	Biomass	99	24	24	0.56	24
	Solar	1295	0	0	2.91	121
	Renewable/Others (Total)	5411	138	464	13.00	542
	Total Rajasthan	**14837**	**4272**	**4023**	**110.43**	**4601**
UP	Anpara TPS (3*210+2*500)	1630	1430	1056	32.10	1337
	Obra TPS (2*50+2*94+5*200)	1194	660	536	14.52	605
	Paricha TPS (2*110+2*220+2*250)	1160	221	156	4.46	186
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	221	157	4.45	185
	Tanda TPS (NTPC) (4*110)	440	358	293	7.61	317
	Roza TPS (IPP) (4*300)	1200	0	0	0.00	0
	Anpara-C (IPP) (2*600)	1200	1062	644	22.56	940
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	560	702	15.41	642
	Lalitpur TPS(3*660)	1980	592	353	11.16	465
	Bara(2*660)	1320	1068	722	21.90	913
	Thermal (Total)	**12449**	**6172**	**4619**	**134.16**	**5590**
	Vishnuparyag HPS (IPP)(4*110)	440	63	63	1.49	62
	Alaknanada(4*82.5)	330	86	0	0.87	36
	Other Hydro	527	218	20	1.63	68
	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**	**7389**	**5552**	**158.56**	**6607**
Uttarakhand	Other Hydro	1250	403	250	7.05	294
	Total Gas	225	204	0	1.70	71
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.21	9
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.21	9
	Total Uttarakhand	1802	607	250	8.96	373
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	38	0.89	37
	Pragati Gas Turbine (2x104+ 1x122)	330	-2	0	0.00	0
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	249	6.01	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**286**	**287**	**6.90**	**287**
	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**	**286**	**287**	**6.90**	**287**
HP	Baspa HPS (IPP) (3*100)	300	49	0	0.81	34
	Malana HPS (IPP) (2*43)	86	0	0	0.19	8
	Other Hydro	372	87	16	1.86	77
	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	115	56	2.20	92
	Renewable(Total)	**486**	**115**	**56**	**2.20**	**92**
	Total HP	**1244**	**251**	**72**	**5.05**	**211**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	284	120	2.86	119
	Other Hydro/IPP(including 98 MW Small Hydro)	308	148	238	4.36	182
	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**	**358**	**7**	**301**

Total State Control Area Generation	**50078**	**14737**	**11572**	**326.86**	**13619**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**8004**	**5591**	**181.43**	**7560**
Total Regional Availability(Gross)	**75315**	**39945**	**25593**	**767.67**	**31986**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9010**	**1428**	**78.86**	**3286**
State Control Area Hydro	**7163**	**2363**	**1090**	**35.97**	**1578**
Total Regional Hydro	**19397**	**11373**	**2518**	**114.83**	**4864**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.00**	**0**
State Control Area Renewable	**7356**	**264**	**531**	**15.76**	**656**
Total Regional Renewable	**7386**	**264**	**531**	**15.76**	**656**

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)	-100	500	100	-500	0.23	7.95	-7.72
765 KV Gwalior-Agra (D/C)	2532	1458	2770	0	55.74	0.00	55.74
400 KV Zerda-Kankroli	-92	-108	16	181	0.00	2.19	-2.19
400 KV Zerda-Bhinmal	41	-31	104	78	0.30	0.00	0.30
220 KV Auraiya-Malanpur	-72	-101	0	105	0.00	1.75	-1.75
220 KV Badod-Kota/Morak	1	-22	104	37	0.43	0.00	0.43
Mundra-Mohindergarh(HVDC Bipole)	1998	798	2322	0.00	40.09	0.00	40.09
400 KV RAPPC-Sujalpur	381	50	381	0	5.19	0.00	5.19
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1142	838	1510	0	27.58	0.00	27.58
+/- 800 kV HVDC Champa-Kurushetra	0	0	1000	0	5.16	0.00	5.16
Sub Total WR	**5831**	**3382**			**134.70**	**11.89**	**122.81**
400 kV Sasaram - Varanasi	316	282	316	0	10.77	0.00	10.77
400 kV Sasaram - Allahabad	79	106	125	0	2.35	0.00	2.35
400 KV MZP- GKP (D/C)	69	259	354	0	3.93	0.00	3.93
400 KV Patna-Balia(D/C) X 2	551	614	797	0	15.79	0.00	15.79
400 KV B'Sharif-Balia (D/C)	40	68	191	0	2.30	0.00	2.30
765 KV Gaya-Balia	285	196	309	0	6.31	0.00	6.31
765 KV Gaya-Varanasi (D/C)	345	268	550	0	7.29	0.00	7.29
220 KV Pusauli-Sahupuri	210	143	210	0	3.91	0.00	3.91
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-23	-20	0	-30	0.00	-0.58	0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-294	-195	0	294	0.00	3.67	-3.67
400 KV Barh -GKP (D/C)	456	432	512	0	10.05	0.00	10.05
400 kV B'Sharif - Varanasi (D/C)	139	56	68	151	0.00	1.46	-1.46
Sub Total ER	**2173**	**2209**			**63.18**	**4.56**	**58.62**
+/- 800 KV HVDC BiswanathCharialli-Agra	0	0	0	0.00	0.00	0.00	0.00
Sub Total NER	**0**	**0**			**0.00**	**0.00**	**0.00**
Total IR Exch	**8004**	**5591**			**197.88**	**16.45**	**181.43**

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**
45.51	0.22	45.73	-2.76	-0.39	7.18	5.38	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**
50.15	132.74	182.89	58.62	122.81	181.43	8.47	-9.93	-1.46

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	-32	-25	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	0.17	5.98	44.32	67.03	18.99	8.10	0.39	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)	
50.20	5.03	49.74	20.34	50.01	0.043	0.065	50.10	49.89	32.97

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	411	1:59	401	10:59	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	0:02	399	19:10	0.0	0.0	0.3	0.0	0.3
Bareilly(PG)400kV	400	423	0:01	398	9:07	0.0	0.0	17.3	0.0	17.3
Kanpur	400	420	0:00	400	8:38	0.0	0.0	0.0	0.0	0.0
Dadri	400	433	3:17	411	8:41	0.0	0.0	32.4	14.2	32.4
Ballabhgarh	400	428	2:31	404	8:50	0.0	0.0	24.0	0.0	24.0
Bawana	400	431	3:16	410	6:10	0.0	0.0	34.2	0.9	34.2
Bassi	400	426	18:02	401	6:10	0.0	0.0	28.4	0.0	28.4
Hissar	400	423	0:00	401	6:37	0.0	0.0	6.9	0.0	6.9
Moga	400	424	0:18	403	6:37	0.0	0.0	20.8	0.0	20.8
Abdullapur	400	432	0:08	403	6:22	0.0	0.0	33.5	0.6	33.5
Nalagarh	400	434	0:13	413	6:48	0.0	0.0	77.0	14.4	77.0
Kishenpur	400	418	3:22	398	6:34	0.0	0.0	0.0	0.0	0.0
Wagoora	400	396	13:01	370	6:57	40.9	99.0	0.0	0.0	40.9
Amritsar	400	429	3:22	406	7:19	0.0	0.0	38.2	0.0	38.2
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	428	0:00	402	11:05	0.0	0.0	23.1	0.0	23.1

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	782	23:41	736	8:03	0.0	4.4	0.0	0.0	0.0
Balia	765	793	0:01	758	8:42	0.0	0.0	0.0	0.0	0.0

Moga	765	806	23:51	777	12:21	0.0	0.0	5.5	0.0	5.5
Agra	765	793	3:22	751	8:42	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	814	3:23	773	7:51	0.0	0.0	30.4	0.0	30.4
Unnao	765	777	3:22	734	9:09	0.0	11.8	0.0	0.0	0.0
Lucknow	765	799	3:23	758	8:49	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	18:15	762	6:10	0.0	0.0	28.3	0.0	28.3
Jhatikara	765	812	3:23	768	8:41	0.0	0.0	25.1	0.0	25.1
Bareilly 765 kV	765	805	3:22	759	9:07	0.0	0.0	17.7	0.0	17.7
Anta	765	805	3:43	768	10:59	0.0	0.0	2.0	0.0	2.0
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	469.29	257.12	482.71	527.87	150.36	382.05
Pong	426.72	384.05	397.84	174.24	397.45	168.56	60.40	268.05
Tehri	829.79	740.04	772.50	235.26	763.75	152.27	38.18	235.00
Koteshwar	612.50	598.50	609.72	4.44	611.18	4.95	235.00	192.68
Chamera-I	760.00	748.75	757.48	0.00	0.00	0.00	77.86	91.06
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	505.08	2.00	498.07	0.00	110.17	76.98

*** 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	-57	0	0	-57	0	0	-3.11	0.03	-3.08
Delhi	-382	-314	0	-285	122	0	-6.13	0.88	-5.25
Haryana	-515	148	0	-237	224	0	-7.82	4.73	-3.09
HP	272	-132	0	150	-237	0	8.46	-2.51	5.95
J&K	274	50	0	274	124	0	6.59	2.63	9.22
CHD	0	0	0	0	-20	0	0.00	-0.13	-0.13
Rajasthan	28	192	0	35	272	0	0.71	5.34	6.05
UP	71	0	0	5	-100	0	-2.18	-1.25	-3.43
Uttarakhand	73	8	0	0	137	0	1.67	4.64	6.31
Total	**-235**	**-48**	**0**	**-116**	**521**	**0**	**-1.81**	**14.36**	**12.55**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-57	-233	21	0	0	0
Delhi	-167	-390	408	-322	0	0
Haryana	-139	-515	233	142	0	0
HP	541	150	71	-727	0	0
J&K	274	274	248	-278	0	0
CHD	0	0	15	-50	0	0
Rajasthan	44	13	272	-140	0	0
UP	144	-298	0	-100	0	0
Uttarakhand	104	0	556	1	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	**1.04%**
ER	**0.00%**
Simultaneous	**2.78%**

(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	16
Haryana	2	14
Rajasthan	0	11
Delhi	3	29
UP	1	18
Uttarakhand	2	19
HP	3	36
J & K	1	15
Chandigarh	2	25

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 14.03.2017 :

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 : 14.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER