पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.03.2017
Date of Reporting : 18.03.2017

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
36853	688	37541	49.90	29786	426	30212	49.98	837.97	10.72

* 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	27.63	9.91	0.33	37.87	60.97	62.92	1.95	100.79	0.00
Haryana	10.18	0.36	0.00	10.53	101.39	101.84	0.44	112.37	0.00
Rajasthan	113.36	2.81	8.69	124.87	61.97	62.01	0.04	186.88	0.00
Delhi	9.57		0.00	9.57	50.40	51.35	0.95	60.92	0.01
UP	160.38	3.40	0.00	163.78	103.40	106.35	2.95	270.14	0.00
Uttarakhand		7.16	0.00	14.12	18.51	18.77	0.26	32.89	0.00
HP		8.26	2.39	8.26	18.18	19.61	1.43	27.87	0.00
J & K		6.39	0.00	6.39	34.64	36.45	1.81	42.84	10.71
Chandigarh				0.00	3.40	3.27	-0.13	3.27	0.00
Total	**321.13**	**38.28**	**11.42**	**375.39**	**452.86**	**462.58**	**9.72**	**837.97**	10.72

* 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	5064	0	-45	-151	3171	0	167	-227	5271	20:00	0
Haryana	5509	0	-98	229	3112	0	-54	159	5825	7:00	0
Rajasthan	7140	0	34	211	7397	0	94	487	8810	8:00	0
Delhi	2906	0	-149	-221	1579	0	54	-604	3413	11:00	0
UP	11409	225	404	2	10879	0	150	94	12847	8:00	0
Uttarakhand	1673	0	103	142	1131	0	-52	102	1777	8:00	0
HP	1127	0	66	-24	733	0	-13	368	1439	8:00	0
J&K	1852	463	-28	234	1702	426	40	273	1942	7:00	485
Chandigarh	174	0	-2	-30	82	0	-11	-20	190	8:00	0
Total	**36853**	**688**	**284**	**391**	**29786**	**426**	**376**	**632**	**39658**	**8:00**	**484**

* 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	1857	2011	1835	44.23	1843	43.93	0.30
	Rihand I STPS (2*500)	1000	587	609	628	13.82	576	13.84	-0.01
	Rihand II STPS (2*500)	1000	956	1019	1020	23.04	960	22.66	0.38
	Rihand III STPS (2*500)	1000	957	968	1026	22.85	952	22.61	0.24
	Dadri I STPS (4*210)	840	815	191	144	4.19	175	4.32	-0.13
	Dadri II STPS (2*490)	980	980	476	404	10.11	421	11.06	-0.95
	Unchahar I TPS (2*210)	420	407	323	299	7.48	312	7.76	-0.28
	Unchahar II TPS (2*210)	420	405	312	303	7.47	311	7.68	-0.21
	Unchahar III TPS (1*210)	210	203	159	147	3.77	157	3.91	-0.14
	ISTPP (Jhajjhar) (3*500)	1500	1440	976	308	19.34	806	19.61	-0.27
	Dadri GPS (4*130.19+2*154.51)	830	405	197	149	4.01	167	4.30	-0.30
	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	158	137	3.40	142	3.45	-0.05
	Dadri Solar(5)	5	1	0	0	0.03	1	0.03	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.05	-0.01
	Singrauli Solar(15)	15	0	0	0	0.00	0	0.00	0.00
	KHEP(4*200)	800	872	781	0	2.62	109	2.62	0.00
	Sub Total (A)	**12112**	**10792**	**8180**	**6400**	**166**	**6933**	**168**	**-1.43**
B. NPC	NAPS (2*220)	440	413	442	454	9.87	411	9.91	-0.04
	RAPS- B (2*220)	440	382	425	426	9.15	381	9.17	-0.02
	RAPS- C (2*220)	440	405	436	440	9.45	394	9.72	-0.27
	Sub Total (B)	**1320**	**1200**	**1303**	**1320**	**28.48**	**1187**	**28.80**	**-0.32**
C. NHPC	Chamera I HPS (3*180)	540	540	561	0	2.96	123	2.74	0.23
	Chamera II HPS (3*100)	300	301	314	0	1.49	62	1.30	0.19
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	184	0	1.73	72	1.64	0.09
	Salal-HPS (6*115)	690	153	326	185	4.64	193	3.68	0.96
	Tanakpur-HPS (3*31.4)	94	20	17	16	0.48	20	0.47	0.01
	Uri-I HPS (4*120)	480	389	475	423	9.96	415	9.33	0.63
	Uri-II HPS (4*60)	240	222	241	241	5.47	228	5.33	0.14
	Dhauliganga-HPS (4*70)	280	140	143	0	0.88	37	0.84	0.04
	Dulhasti-HPS (3*130)	390	387	403	0	2.60	108	2.50	0.10
	Sewa-II HPS (3*40)	120	119	129	0	1.98	82	1.90	0.08
	Parbati 3 (4*130)	520	130	138	0	0.04	2	0.39	-0.35
	Sub Total (C)	**4065**	**2580**	**2929**	**865**	**32**	**1343**	**30**	**2.13**
D.SJVNL	NJPC (6*250)	1500	1096	1091	0	5.48	229	5.53	-0.05
	Rampur HEP (6*68.67)	412	375	300	0	1.53	64	1.51	0.02
	Sub Total (D)	**1912**	**1471**	**1391**	**0**	**7.01**	**292**	**7.04**	**-0.03**
E. THDC	Tehri HPS (4*250)	1000	744	735	0	7.56	315	7.50	0.06
	Koteshwar HPS (4*100)	400	121	300	90	2.94	122	2.90	0.04
	Sub Total (E)	**1400**	**865**	**1035**	**90**	**10.50**	**437**	**10.40**	**0.10**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	490	1034	353	12.36	515	11.76	0.60
	Dehar HPS (6*165)	990	152	495	0	3.69	154	3.64	0.05
	Pong HPS (6*66)	396	134	280	0	3.22	134	3.22	0.00
	Sub Total (F)	**2765**	**776**	**1809**	**353**	**19.27**	**803**	**18.63**	**0.65**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.33	14	0.32	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	540	0	3.08	128	3.08	0.00
	Malana Stg-II HPS (2*50)	100	0	0	0	0.18	8	0.16	0.02
	Shree Cement TPS (2*150)	300	0	144	100	3.23	135	3.28	-0.05
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.19	8	0.19	0.00
	Sub Total (G)	**1662**	**0**	**684**	**100**	**7.01**	**292**	**7.03**	**-0.02**
H. Total Regional Entities (A-G)		**25237**	**17684**	**17331**	**9128**	**270.91**	**11288**	**269.84**	**1.07**

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	0.00	0
	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	0	0	0.00	0
	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	1320	660	27.63	1151
	Talwandi Saboo (3*660)	1980	0	0	0.00	0
	Thermal (Total)	**6560**	**1320**	**660**	27.63	**1151**
	Total Hydro	1000	583	235	9.91	413
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.27	11
	Solar	560	0	0	0.06	3
	Renewable(Total)	**848**	**0**	**0**	**0.33**	**14**
	Total Punjab	**8408**	**1903**	**895**	**37.87**	**1578**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	219	221	5.78	241
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	167	164	4.40	183
	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**	**386**	**385**	**10.18**	**424**
	Total Hydro	62	8	21	0.36	15
	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**	**394**	**406**	**10.53**	**439**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	304	308	8.00	333
	suratgarh TPS (6*250)	1500	184	183	4.69	196
	Chabra TPS (4*250)	1000	750	808	19.76	823
	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	173	173	4.43	185
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.23	176
	Barsingsar (NLC) (2*125)	250	213	211	5.95	248
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	446	418	15.32	638
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	840	832	23.54	981
	Kawai(Adani) (2*660)	1320	968	1017	27.44	1143
	Thermal (Total)	**8876**	**4072**	**4144**	**113.36**	**4724**
	Total Hydro	550	106	124	2.81	117
	Wind power	4017	107	466	5.76	240
	Biomass	99	20	20	0.48	20
	Solar	1295	0	0	2.46	102
	Renewable/Others (Total)	5411	127	486	8.69	362
	Total Rajasthan	**14837**	**4305**	**4754**	**124.87**	**5203**
UP	Anpara TPS (3*210+2*500)	1630	1397	1429	33.70	1404
	Obra TPS (2*50+2*94+5*200)	1194	608	592	14.10	588
	Paricha TPS (2*110+2*220+2*250)	1160	0	0	0.00	0
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	162	158	4.60	192
	Tanda TPS (NTPC) (4*110)	440	274	390	8.18	341
	Roza TPS (IPP) (4*300)	1200	0	0	0.00	0
	Anpara-C (IPP) (2*600)	1200	1076	986	24.80	1033
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	762	797	18.80	783
	Lalitpur TPS(3*660)	1980	732	712	23.50	979
	Bara(2*660)	1320	385	554	12.30	513
	Thermal (Total)	**12449**	**5396**	**5618**	**139.98**	**5833**
	Vishnuparyag HPS (IPP)(4*110)	440	63	63	1.50	63
	Alaknanada(4*82.5)	330	84	0	0.90	38
	Other Hydro	527	25	3	1.00	42
	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**	**6418**	**6534**	**163.78**	**6824**
Uttarakhand	Other Hydro	1250	444	293	7.16	298
	Total Gas	225	285	289	6.80	283
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.16	7
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.16	7
	Total Uttarakhand	1802	729	582	14.12	588
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	38	0.86	36
	Pragati Gas Turbine (2x104+ 1x122)	330	154	0	2.39	100
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.33	264
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**440**	**288**	**9.57**	**399**
	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**	**440**	**288**	**9.57**	**399**
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.00	42
	Malana HPS (IPP) (2*43)	86	0	0	0.19	8
	Other Hydro	372	224	141	4.68	195
	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	116	66	2.39	100
	Renewable(Total)	**486**	**116**	**66**	**2.39**	**100**
	Total HP	**1244**	**341**	**208**	**8.26**	**344**

J & K	Baglihar HPS (IPP) (3*150+3*150)	900	146	148	3.52	147
	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**	**282**	**268**	**6**	**266**
Total State Control Area Generation		**50078**	**14812**	**13935**	**375.39**	**15641**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**8608**	**7005**	**207.61**	**8650**
Total Regional Availability(Gross)		**75315**	**40750**	**30067**	**853.90**	**35579**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8485**	**1308**	**75.23**	**3134**
State Control Area Hydro	**7163**	**2221**	**1504**	**38.28**	**1885**
Total Regional Hydro	**19397**	**10706**	**2811**	**113.50**	**5019**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.07**	**3**
State Control Area Renewable	**7356**	**243**	**552**	**11.57**	**482**
Total Regional Renewable	**7386**	**243**	**552**	**11.64**	**485**

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-100	-500	0	500	0.00	7.39	-7.39
765 KV Gwalior-Agra (D/C)	2610	2232	2949	0	63.14	0.00	63.14
400 KV Zerda-Kankroli	-107	-117	0	200	0.00	2.96	-2.96
400 KV Zerda-Bhinmal	-24	-49	27	129	0.00	1.03	-1.03
220 KV Auraiya-Malanpur	-97	-75	0	75	0.00	1.60	-1.60
220 KV Badod-Kota/Morak	46	31	44	0	1.04	0.00	1.04
Mundra-Mohindergarh(HVDC Bipole)	2299	1599	2307	0.00	50.17	0.00	50.17
400 KV RAPPC-Sujalpur	347	290	399	0	7.74	0.00	7.74
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1330	1323	744	0	30.36	0.00	30.36
+/- 800 kV HVDC Champa-Kurushetra	0	200	1500	0	7.33	0.00	7.33
Sub Total WR	**6304**	**4934**			**159.78**	**12.99**	**146.79**
400 kV Sasaram - Varanasi	269	284	288	0	6.71	0.00	6.71
400 kV Sasaram - Allahabad	120	101	138	0	2.71	0.00	2.71
400 KV MZP- GKP (D/C)	88	88	386	16	3.77	0.00	3.77
400 KV Patna-Balia(D/C) X 2	686	592	917	0	16.77	0.00	16.77
400 KV B'Sharif-Balia (D/C)	28	81	211	0	2.67	0.00	2.67
765 KV Gaya-Balia	242	286	372	0	7.23	0.00	7.23
765 KV Gaya-Varanasi (D/C)	602	286	702	0	11.35	0.00	11.35
220 KV Pusauli-Sahupuri	95	181	208	0	3.92	0.00	3.92
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-25	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	-232	-186	21	232	0.00	2.76	-2.76
400 KV Barh -GKP (D/C)	516	492	618	0	12.04	0.00	12.04
400 kV B'Sharif - Varanasi (D/C)	-84	-109	84	138	0.00	0.96	-0.96
Sub Total ER	**2304**	**2071**			**67.17**	**4.30**	**62.87**
+/- 800 KV HVDC BiswanathCharialli-Agra	0	0	0	500.00	0.00	2.06	-2.06
Sub Total NER	**0**	**0**			**0.00**	**2.06**	**-2.06**
Total IR Exch	**8608**	**7005**			**226.95**	**19.34**	**207.61**

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
50.07	0.31	50.38	-3.05	-0.27	21.99	0.21	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
69.32	134.28	203.61	60.81	146.79	207.61	-8.51	12.51	4.00

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

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-35	-34	0	39	0	1	-0.84

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	0.10	14.07	67.39	75.79	8.91	1.26	0.00	0.00

<---------- Frequency (Hz) ---------->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz			(Hz)	(Hz)	
50.17	18.01	49.77	11.09	49.97	0.047	0.062	50.09	49.86	24.21

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	407	0:27	402	8:53	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	20:34	398	10:48	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	20:55	393	9:14	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	1:54	398	10:39	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	3:03	401	9:14	0.0	0.0	22.6	0.0	22.6
Ballabhgarh	400	425	3:57	399	9:14	0.0	0.0	18.2	0.0	18.2
Bawana	400	426	3:02	402	10:43	0.0	0.0	22.9	0.0	22.9
Bassi	400	424	4:00	397	9:12	0.0	0.0	3.9	0.0	3.9
Hissar	400	423	3:56	397	9:13	0.0	0.0	12.1	0.0	12.1
Moga	400	425	3:56	399	10:38	0.0	0.0	18.3	0.0	18.3

Abdullapur	400	426	0:35	404	5:44	0.0	0.0	25.8	0.0	25.8
Nalagarh	400	431	3:03	404	12:09	0.0	0.0	36.9	0.5	36.9
Kishenpur	400	420	3:58	398	10:35	0.0	0.0	0.0	0.0	0.0
Wagoora	400	390	3:56	369	19:10	60.6	99.6	0.0	0.0	60.6
Amritsar	400	430	3:57	401	10:40	0.0	0.0	35.7	0.0	35.7
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	17:16	405	9:36	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	422	3:58	395	9:14	0.0	0.0	1.5	0.0	1.5

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	0:34	743	9:14	0.0	0.0	0.0	0.0	0.0
Balia	765	781	1:54	753	10:48	0.0	0.0	0.0	0.0	0.0
Moga	765	802	18:01	617	17:01	42.3	42.3	1.0	0.0	43.3
Agra	765	788	3:58	752	9:14	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	3:58	766	8:31	0.0	0.0	22.1	0.0	22.1
Unnao	765	769	20:36	738	8:47	0.0	4.5	0.0	0.0	0.0
Lucknow	765	788	20:54	751	9:14	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	20:54	764	8:36	0.0	0.0	6.1	0.0	6.1
Jhatikara	765	808	3:57	762	9:13	0.0	0.0	17.6	0.0	17.6
Bareilly 765 kV	765	795	20:53	750	9:14	0.0	0.0	0.0	0.0	0.0
Anta	765	791	3:02	736	10:33	0.0	0.1	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	468.20	239.26	482.38	519.70	152.06	416.80
Pong	426.72	384.05	397.40	168.56	397.12	162.91	50.57	241.94
Tehri	829.79	740.04	770.60	214.69	762.05	137.27	39.60	219.00
Koteshwar	612.50	598.50	610.20	4.66	611.23	5.20	219.00	193.59
Chamera-I	760.00	748.75	757.45	0.00	0.00	0.00	80.81	79.93
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	504.83	3.14	497.75	0.00	77.43	115.18

*** 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	-126	-101	0	-151	0	0	-1.53	-0.74	-2.26
Delhi	-521	-83	0	-273	52	0	-7.74	1.70	-6.04
Haryana	-205	363	0	-136	365	0	-3.81	7.60	3.79
HP	284	84	0	157	-181	0	4.56	1.89	6.44
J&K	174	99	0	174	60	0	4.18	2.83	7.02
CHD	0	-20	0	0	-30	0	0.00	-0.33	-0.33
Rajasthan	13	474	0	19	192	0	0.44	8.70	9.14
UP	94	0	0	102	-100	0	1.21	-1.58	-0.37
Uttarakhand	73	30	0	0	142	0	1.44	3.76	5.20
Total	**-214**	**846**	**0**	**-109**	**500**	**0**	**-1.25**	**23.84**	**22.59**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-151	0	-151	0	0
Delhi	-172	-527	439	-164	0	0
Haryana	-135	-206	394	63	0	0
HP	308	10	330	-332	0	0
J&K	174	174	283	-76	0	0
CHD	0	0	10	-50	0	0
Rajasthan	28	13	707	-428	0	0
UP	151	-36	0	-100	0	0
Uttarakhand	104	0	318	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	**0.35%**
Simultaneous	**1.04%**

(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	4	38
Haryana	1	15

Rajasthan	2	26
Delhi	4	47
UP	1	20
Uttarakhand	4	25
HP	6	22
J & K	3	34
Chandigarh	4	28

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 17.03.2017 :

XVI. Synchronisation of new generating units :

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

315 MVA ICT-2 (New) first time charged at 18.22 hrs of 16.03.2017 from 400kV side at Kurukshetra PG

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 : 17.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER