पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 19.02.2017

Date of Reporting : 20.02.2017

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
37503	486	37990	49.98	31900	414	32314	49.99	862.91	10.68

* 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	37.90	8.74	0.21	46.84	54.94	53.88	-1.06	100.72	0.00
Haryana	25.65	0.27	0.00	25.92	89.32	88.84	-0.48	114.76	0.00
Rajasthan	117.69	4.92	26.07	148.68	62.90	64.47	1.57	213.15	0.00
Delhi	11.63		0.00	11.63	45.61	45.37	-0.24	56.99	0.01
UP	171.00	6.30	0.00	177.30	97.78	98.49	0.71	275.78	0.00
Uttarakhand		9.33	0.00	14.58	19.70	18.51	-1.19	33.09	0.00
HP		5.86	2.70	5.86	17.39	16.95	-0.43	22.81	0.02
J & K		5.89	0.00	5.89	36.38	36.71	0.33	42.61	10.65
Chandigarh				0.00	3.46	2.99	-0.46	2.99	0.00
Total	**363.86**	**41.31**	**28.98**	**436.70**	**427.47**	**426.22**	**-1.25**	**862.91**	10.68

* 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	4558	0	-103	-101	4028	0	65	-101	5758	8:00	0
Haryana	5125	0	-168	-89	3233	0	96	-362	5840	7:00	0
Rajasthan	8298	0	70	-57	8361	0	-107	308	9970	8:00	0
Delhi	2628	0	-200	-332	1510	0	86	-1017	3347	11:00	0
UP	12196	0	44	-169	10993	0	119	102	13210	7:00	0
Uttarakhand	1665	0	-62	253	1278	0	55	285	1816	8:00	0
HP	934	0	-228	101	757	0	43	417	1297	9:00	0
J&K	1946	486	14	675	1657	414	51	425	2051	20:00	513
Chandigarh	155	0	-29	0	82	0	-2	-15	177	9:00	0
Total	**37503**	**486**	**-663**	**282**	**31900**	**414**	**406**	**40**	**41312**	**8:00**	**472**

* 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	1690	1635	1822	39.82	1659	39.55	0.28
	Rihand I STPS (2*500)	1000	484	343	468	9.72	405	9.61	0.10
	Rihand II STPS (2*500)	1000	960	713	910	19.28	803	18.78	0.50
	Rihand III STPS (2*500)	1000	965	834	842	20.44	852	20.28	0.17
	Dadri I STPS (4*210)	840	815	306	305	7.12	297	7.53	-0.41
	Dadri II STPS (2*490)	980	980	361	342	8.92	372	9.44	-0.52
	Unchahar I TPS (2*210)	420	407	304	309	6.79	283	7.12	-0.33
	Unchahar II TPS (2*210)	420	405	311	294	6.40	267	6.82	-0.42
	Unchahar III TPS (1*210)	210	203	133	152	3.09	129	3.40	-0.31
	ISTPP (Jhajjhar) (3*500)	1500	1440	616	606	14.46	603	14.79	-0.33
	Dadri GPS (4*130.19+2*154.51)	830	818	194	200	4.24	176	4.59	-0.36
	Anta GPS (3*88.71+1*153.2)	419	420	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	0.02	-0.02
	Unchahar Solar(10)	10	2	0	0	0.00	0	0.04	-0.04
	Singrauli Solar(15)	15	2	0	1	0.00	0	0.05	-0.05
	KHEP(4*200)	800	655	648	0	1.93	81	1.97	-0.03
	Sub Total (A)	**12112**	**10890**	**6398**	**6251**	**142**	**5925**	**144**	**-1.78**
B. NPC	NAPS (2*220)	440	412	442	449	9.78	408	9.89	-0.11
	RAPS- B (2*220)	440	381	422	426	9.10	379	9.14	-0.04
	RAPS- C (2*220)	440	401	435	442	9.43	393	9.62	-0.19
	Sub Total (B)	**1320**	**1194**	**1299**	**1317**	**28.32**	**1180**	**28.65**	**-0.33**
C. NHPC	Chamera I HPS (3*180)	540	548	552	0	2.53	106	2.40	0.13
	Chamera II HPS (3*100)	300	301	310	0	2.04	85	1.90	0.14
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	184	0	2.31	96	2.21	0.10
	Salal-HPS (6*115)	690	213	305	150	5.81	242	5.12	0.69
	Tanakpur-HPS (3*31.4)	94	17	32	15	0.48	20	0.40	0.08
	Uri-I HPS (4*120)	480	445	471	469	10.92	455	10.69	0.24
	Uri-II HPS (4*60)	240	240	240	244	5.78	241	5.76	0.02
	Dhauliganga-HPS (4*70)	280	140	139	0	0.82	34	0.74	0.09
	Dulhasti-HPS (3*130)	390	387	400	0	3.42	143	3.20	0.22
	Sewa-II HPS (3*40)	120	119	127	119	2.90	121	2.87	0.04
	Parbati 3 (4*130)	520	130	130	0	0.40	17	0.39	0.01
	Sub Total (C)	**4065**	**2719**	**2891**	**997**	**37**	**1560**	**36**	**1.77**
D.SJVNL	NJPC (6*250)	1500	1370	1358	0	6.96	290	7.09	-0.13
	Rampur HEP (6*68.67)	412	375	296	0	1.88	78	1.96	-0.08
	Sub Total (D)	**1912**	**1745**	**1654**	**0**	**8.84**	**368**	**9.04**	**-0.20**
E. THDC	Tehri HPS (4*250)	1000	860	856	0	8.38	349	8.40	-0.02
	Koteshwar HPS (4*100)	400	129	399	90	3.08	128	3.11	-0.03
	Sub Total (E)	**1400**	**989**	**1255**	**90**	**11.45**	**477**	**11.51**	**-0.05**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	494	1093	362	12.37	516	11.85	0.52
	Dehar HPS (6*165)	990	185	495	0	4.57	190	4.43	0.14
	Pong HPS (6*66)	396	216	310	0	5.11	213	5.18	-0.07
	Sub Total (F)	**2765**	**894**	**1898**	**362**	**22.05**	**919**	**21.46**	**0.59**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	27	0	0.48	20	0.44	0.04
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	622	0	3.83	160	3.79	0.04
	Malana Stg-II HPS (2*50)	100	0	0	0	0.26	11	0.24	0.02
	Shree Cement TPS (2*150)	300	0	296	168	6.03	251	5.16	0.87
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
	Sub Total (G)	**1662**	**0**	**945**	**168**	**10.60**	**442**	**9.63**	**0.97**
H. Total Regional Entities (A-G)		**25237**	**18431**	**16339**	**9185**	**260.89**	**10871**	**259.94**	**0.95**

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	-0.10	-4
	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	-0.09	-4
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	660	920	21.44	893
	Talwandi Saboo (3*660)	1980	616	616	16.69	695
	Thermal (Total)	**6560**	**1276**	**1536**	37.90	**1579**
	Total Hydro	1000	452	252	8.74	364
	Wind Power	0	0	0	0.00	0
	Biomass	288	6	6	0.15	6
	Solar	560	0	0	0.05	2
	Renewable(Total)	**848**	**6**	**6**	**0.21**	**9**
	Total Punjab	**8408**	**1734**	**1794**	**46.84**	**1952**
Haryana	Panipat TPS (2*210+2*250)	920	413	416	10.06	419
	DCRTPP (Yamuna nagar) (2*300)	600	466	461	11.34	472
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	194	159	4.25	177
	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**	**1073**	**1036**	**25.65**	**1069**
	Total Hydro	62	7	7	0.27	11
	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**	**1080**	**1043**	**25.92**	**1080**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	877	870	21.29	887
	suratgarh TPS (6*250)	1500	179	185	4.44	185
	Chabra TPS (4*250)	1000	755	902	19.20	800
	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	167	170	3.84	160
	RAPS A (NPC) (1*100+1*200)	300	165	165	4.39	183
	Barsingsar (NLC) (2*125)	250	173	214	4.77	199
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	443	753	13.88	578
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	826	1127	21.51	896
	Kawai(Adani) (2*660)	1320	861	1184	24.38	1016
	Thermal (Total)	**8876**	**4446**	**5570**	**117.69**	**4904**
	Total Hydro	550	186	213	4.92	205
	Wind power	4017	1307	239	22.83	951
	Biomass	99	20	20	0.49	20
	Solar	1295	0	0	2.76	115
	Renewable/Others (Total)	5411	1327	259	26.07	1086
	Total Rajasthan	**14837**	**5959**	**6042**	**148.68**	**6195**
UP	Anpara TPS (3*210+2*500)	1630	1407	1315	33.60	1400
	Obra TPS (2*50+2*94+5*200)	1194	554	561	14.80	617
	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	158	156	3.80	158
	Tanda TPS (NTPC) (4*110)	440	319	280	8.10	337
	Roza TPS (IPP) (4*300)	1200	386	374	10.60	442
	Anpara-C (IPP) (2*600)	1200	1080	1080	25.60	1067
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	801	810	19.50	813
	Lalitpur TPS(3*660)	1980	698	725	22.80	950
	Bara(2*660)	1320	446	388	11.80	492
	Thermal (Total)	**12449**	**5849**	**5689**	**150.60**	**6275**
	Vishnuparyag HPS (IPP)(4*110)	440	68	73	1.70	71
	Alaknanada(4*82.5)	330	76	0	1.00	42
	Other Hydro	527	73	163	3.60	150
	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**	**6916**	**6775**	**177.30**	**7387**
Uttarakhand	Other Hydro	1250	492	302	9.33	389
	Total Gas	225	286	171	5.20	217
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.05	2
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.05	2
	Total Uttarakhand	1802	778	473	14.58	608
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	81	80	1.88	78
	Pragati Gas Turbine (2x104+ 1x122)	330	160	165	3.73	156
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.02	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**491**	**525**	**11.63**	**484**
	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**	**491**	**525**	**11.63**	**484**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.66	28
	Malana HPS (IPP) (2*43)	86	0	0	0.26	11
	Other Hydro	372	69	52	2.23	93
	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	119	104	2.70	112
	Renewable(Total)	**486**	**119**	**104**	**2.70**	**112**
	Total HP	**1244**	**188**	**155**	**5.86**	**244**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	147	109	2.99	125
	Other Hydro/IPP(including 98 MW Small Hydro)	308	131	109	2.91	121
	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**	**278**	**218**	**6**	**246**

Total State Control Area Generation	**50078**	**17424**	**17026**	**436.70**	**18196**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**6910**	**7408**	**190.50**	**7938**
Total Regional Availability(Gross)	**75315**	**40673**	**33618**	**888.09**	**37004**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8994**	**1449**	**86.28**	**3595**
State Control Area Hydro	**7163**	**2106**	**1554**	**41.31**	**1940**
Total Regional Hydro	**19397**	**11100**	**3004**	**127.59**	**5535**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**1**	**0.00**	**0**
State Control Area Renewable	**7356**	**1452**	**369**	**29.02**	**1209**
Total Regional Renewable	**7386**	**1452**	**370**	**29.02**	**1209**

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)	-400	-500	0	500	0.00	9.93	-9.93
765 KV Gwalior-Agra (D/C)	2363	2251	2797	0	58.06	0.00	58.06
400 KV Zerda-Kankroli	-84	-138	99	178	0.00	1.50	-1.50
400 KV Zerda-Bhinmal	14	70	98	185	0.00	1.16	-1.16
220 KV Auraiya-Malanpur	-70	-77	0	103	0.00	1.44	-1.44
220 KV Badod-Kota/Morak	-66	-97	1	107	0.00	1.35	-1.35
Mundra-Mohindergarh(HVDC Bipole)	1999	2502	2506	0.00	55.77	0.00	55.77
400 KV RAPPC-Sujalpur	233	163	270	0	4.06	0.00	4.06
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	840	889	1343	0	27.29	0.00	27.29
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	**4829**	**5063**			**145.17**	**15.37**	**129.80**
400 kV Sasaram - Varanasi	171	174	187	0	4.33	0.00	4.33
400 kV Sasaram - Allahabad	71	67	80	0	1.58	0.00	1.58
400 KV MZP- GKP (D/C)	206	324	444	0	6.28	0.00	6.28
400 KV Patna-Balia(D/C) X 2	572	689	784	0	15.76	0.00	15.76
400 KV B'Sharif-Balia (D/C)	77	181	225	0	3.76	0.00	3.76
765 KV Gaya-Balia	283	302	377	0	7.80	0.00	7.80
765 KV Gaya-Varanasi (D/C)	524	449	786	0	14.42	0.00	14.42
220 KV Pusauli-Sahupuri	107	182	218	0	4.42	0.00	4.42
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-27	-20	0	30	0.00	0.57	-0.57
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	100	35	67	167	0.00	0.81	-0.81
400 KV Barh -GKP (D/C)	516	462	554	0	11.32	0.00	11.32
400 kV B'Sharif - Varanasi (D/C)	-19	0	156	52	1.42	0.00	1.42
Sub Total ER	**2581**	**2845**			**71.08**	**1.38**	**69.70**
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	9.00	-9.00
Sub Total NER	**-500**	**-500**			**0.00**	**9.00**	**-9.00**
Total IR Exch	**6910**	**7408**			**216.25**	**25.75**	**190.50**

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
46.02	0.21	46.24	-2.81	1.09	3.44	-0.19	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
46.87	141.65	188.51	60.70	129.80	190.50	13.84	-11.85	1.99

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	-35	-34	0	38	0	1	-0.89

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	0.12	4.04	51.30	78.10	13.72	3.95	0.19	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)	
50.27	18.02	49.78	18.39	50.00	0.034	0.058	50.10	49.87	21.90

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	409	18:04	400	7:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	3:00	406	18:29	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	2:35	406	7:23	0.0	0.0	1.5	0.0	1.5
Kanpur	400	419	18:01	404	6:45	0.0	0.0	0.0	0.0	0.0
Dadri	400	424	2:52	410	6:53	0.0	0.0	27.0	0.0	27.0
Ballabhgarh	400	424	18:01	407	7:27	0.0	0.0	7.0	0.0	7.0
Bawana	400	425	2:53	410	7:24	0.0	0.0	29.8	0.0	29.8
Bassi	400	430	18:02	403	22:19	0.0	0.0	12.1	0.0	12.1
Hissar	400	420	2:54	402	7:24	0.0	0.0	0.0	0.0	0.0
Moga	400	422	17:18	405	7:18	0.0	0.0	6.4	0.0	6.4
Abdullapur	400	427	2:54	412	7:17	0.0	0.0	66.0	0.0	66.0
Nalagarh	400	432	13:30	415	7:16	0.0	0.0	72.9	4.2	72.9
Kishenpur	400	422	13:03	406	18:30	0.0	0.0	0.5	0.0	0.5
Wagoora	400	401	13:01	377	19:08	4.0	52.2	0.0	0.0	4.0
Amritsar	400	427	13:01	412	7:11	0.0	0.0	64.7	0.0	64.7
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	421	16:15	411	18:31	0.0	0.0	0.4	0.0	0.4
Rishikesh	400	423	2:58	404	7:18	0.0	0.0	6.9	0.0	6.9

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	783	18:02	754	7:21	0.0	0.0	0.0	0.0	0.0
Balia	765	794	2:56	770	18:51	0.0	0.0	0.0	0.0	0.0

Moga	765	804	18:01	768	7:20	0.0	0.0	3.3	0.0	3.3
Agra	765	797	18:02	761	7:24	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	810	18:01	779	7:19	0.0	0.0	20.4	0.0	20.4
Unnao	765	777	2:55	757	7:23	0.0	0.0	0.0	0.0	0.0
Lucknow	765	795	2:53	773	7:23	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	18:01	768	7:19	0.0	0.0	2.6	0.0	2.6
Jhatikara	765	806	18:02	775	7:24	0.0	0.0	8.8	0.0	8.8
Bareilly 765 kV	765	801	2:54	774	7:24	0.0	0.0	0.8	0.0	0.8
Anta	765	798	18:05	767	0:00	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	476.97	394.40	490.42	748.75	113.41	416.03
Pong	426.72	384.05	402.05	266.33	400.63	230.85	72.77	366.59
Tehri	829.79	740.04	786.35	403.24	777.95	296.48	46.32	221.00
Koteshwar	612.50	598.50	610.30	4.69	610.93	4.95	221.00	202.73
Chamera-I	760.00	748.75	759.12	0.00	0.00	0.00	90.65	63.38
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	504.49	1.19	495.79	0.25	74.07	77.37

*** 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	0	0	-6.41	-1.00	-7.42
Delhi	-180	-837	0	-304	-28	0	-6.18	-5.57	-11.75
Haryana	-627	265	0	-315	226	0	-10.10	4.64	-5.46
HP	317	99	0	215	-114	0	9.03	-1.52	7.51
J&K	425	0	0	418	257	0	9.98	3.55	13.53
CHD	0	-15	0	0	0	0	0.00	-0.18	-0.18
Rajasthan	27	281	0	27	-84	0	8.17	3.63	11.80
UP	102	0	0	-69	-100	0	-6.75	-2.15	-8.90
Uttarakhand	121	164	0	0	253	0	1.54	5.49	7.03
Total	**83**	**-43**	**0**	**-130**	**411**	**0**	**-0.74**	**6.90**	**6.16**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-657	0	-203	0	0
Delhi	-176	-337	279	-838	0	0
Haryana	-315	-627	338	-341	0	0
HP	527	215	108	-561	0	0
J&K	425	406	449	-96	0	0
CHD	0	0	20	-71	0	0
Rajasthan	917	18	281	-531	0	0
UP	133	-749	0	-100	0	0
Uttarakhand	121	0	459	2	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	**0.69%**

(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	1	20
Haryana	1	14
Rajasthan	2	13
Delhi	4	18
UP	1	14
Uttarakhand	2	15
HP	5	25
J & K	2	24
Chandigarh	4	27

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 19.02.2017 :

XVI. Synchronisation of new generating units :

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

0
0
0
0
0

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 : 19.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER