पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 22.02.2017

Date of Reporting : 23.02.2017

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
42723	539	43262	49.95	32224	415	32638	50.02	908.33	10.99

* 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	50.79	9.28	0.29	60.35	58.68	58.74	0.06	119.09	0.00
Haryana	25.51	0.26	0.00	25.77	98.88	99.06	0.18	124.83	0.00
Rajasthan	128.17	4.68	5.90	138.75	74.37	76.76	2.39	215.51	0.17
Delhi	11.72		0.00	11.72	50.61	49.40	-1.21	61.12	0.02
UP	170.40	5.10	0.00	175.50	103.91	105.03	1.11	280.53	0.00
Uttarakhand		10.16	0.00	16.45	17.76	18.12	0.37	34.58	0.00
HP		6.66	3.41	6.66	18.93	19.51	0.58	26.17	0.00
J & K		10.01	0.00	10.01	35.01	33.22	-1.79	43.23	10.81
Chandigarh				0.00	3.60	3.28	-0.31	3.28	0.00
Total	**386.59**	**46.14**	**9.60**	**445.21**	**461.75**	**463.13**	**1.37**	**908.33**	10.99

* 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	6569	0	106	-101	3663	0	7	-504	6569	19:00	0
Haryana	6135	0	-106	20	3539	0	-41	-216	6193	7:00	0
Rajasthan	8984	0	141	340	8481	0	160	366	10209	8:00	0
Delhi	2919	0	-176	-269	1547	0	-46	-640	3392	11:00	0
UP	13087	50	257	-117	11343	0	5	107	13087	19:00	50
Uttarakhand	1749	0	63	160	1119	0	-37	24	1817	8:00	0
HP	1150	0	-34	33	791	0	-2	429	1448	9:00	0
J&K	1957	489	-116	202	1659	415	-140	321	1979	7:00	495
Chandigarh	174	0	-27	-30	82	0	-8	-20	194	8:00	0
Total	**42723**	**539**	**107**	**237**	**32224**	**415**	**-102**	**-134**	**42723**	**19:00**	**539**

* 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	1678	1832	1792	40.23	1676	39.97	0.25
	Rihand I STPS (2*500)	1000	484	416	444	10.80	450	10.89	-0.09
	Rihand II STPS (2*500)	1000	960	990	840	21.95	914	21.64	0.31
	Rihand III STPS (2*500)	1000	980	999	895	22.13	922	22.36	-0.23
	Dadri I STPS (4*210)	840	815	307	305	7.04	293	7.16	-0.12
	Dadri II STPS (2*490)	980	980	372	343	8.61	359	9.06	-0.45
	Unchahar I TPS (2*210)	420	407	308	278	7.31	305	7.79	-0.47
	Unchahar II TPS (2*210)	420	405	288	293	6.84	285	7.13	-0.29
	Unchahar III TPS (1*210)	210	203	157	149	3.39	141	3.55	-0.16
	ISTPP (Jhajjhar) (3*500)	1500	1440	694	610	15.64	652	15.67	-0.02
	Dadri GPS (4*130.19+2*154.51)	830	607	0	0	0.00	0	0.00	0.00
	Anta GPS (3*88.71+1*153.2)	419	413	244	252	5.44	227	5.40	0.03
	Auraiya GPS (4*111.19+2*109.30)	663	647	163	155	3.38	141	3.39	-0.01
	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	3	0	0	0.06	3	0.06	0.00
	KHEP(4*200)	800	872	872	865	2.58	108	2.62	-0.03
	Sub Total (A)	**12112**	**10896**	**7642**	**7221**	**155**	**6478**	**157**	**-1.28**
B. NPC	NAPS (2*220)	440	406	445	452	9.83	410	9.74	0.09
	RAPS- B (2*220)	440	381	381	381	9.14	381	9.14	0.00
	RAPS- C (2*220)	440	395	442	448	9.64	402	9.48	0.16
	Sub Total (B)	**1320**	**1182**	**1268**	**1281**	**28.62**	**1192**	**28.37**	**0.25**
C. NHPC	Chamera I HPS (3*180)	540	548	559	0	7.41	309	7.00	0.41
	Chamera II HPS (3*100)	300	301	310	0	1.96	82	1.85	0.11
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	184	63	2.37	99	2.33	0.05
	Salal-HPS (6*115)	690	337	450	400	8.70	362	8.09	0.61
	Tanakpur-HPS (3*31.4)	94	17	17	14	0.50	21	0.40	0.10
	Uri-I HPS (4*120)	480	473	476	475	11.10	462	11.35	-0.26
	Uri-II HPS (4*60)	240	240	244	239	5.78	241	5.76	0.02
	Dhauliganga-HPS (4*70)	280	140	141	0	0.96	40	0.91	0.05
	Dulhasti-HPS (3*130)	390	387	404	0	4.08	170	3.80	0.28
	Sewa-II HPS (3*40)	120	124	128	125	3.04	127	2.98	0.07
	Parbati 3 (4*130)	520	130	133	0	0.40	17	0.39	0.01
	Sub Total (C)	**4065**	**2875**	**3046**	**1316**	**46**	**1929**	**45**	**1.44**
D.SJVNL	NJPC (6*250)	1500	1399	1596	0	7.15	298	7.18	-0.04
	Rampur HEP (6*68.67)	412	270	296	0	1.75	73	1.71	0.04
	Sub Total (D)	**1912**	**1668**	**1892**	**0**	**8.89**	**370**	**8.89**	**0.00**
E. THDC	Tehri HPS (4*250)	1000	848	841	0	9.64	402	9.70	-0.06
	Koteshwar HPS (4*100)	400	163	398	99	3.90	163	3.90	0.00
	Sub Total (E)	**1400**	**1011**	**1239**	**99**	**13.54**	**564**	**13.60**	**-0.06**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	495	972	341	12.35	515	11.89	0.46
	Dehar HPS (6*165)	990	211	330	0	5.15	215	5.07	0.08
	Pong HPS (6*66)	396	212	305	0	5.07	211	5.09	-0.01
	Sub Total (F)	**2765**	**918**	**1607**	**341**	**22.57**	**941**	**22.04**	**0.53**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	25	0	0.39	16	0.41	-0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.63	151	3.53	0.10
	Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.20	0.00
	Shree Cement TPS (2*150)	300	0	297	169	6.04	252	6.01	0.03
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
	Sub Total (G)	**1662**	**0**	**952**	**169**	**10.26**	**428**	**10.15**	**0.11**
H. Total Regional Entities (A-G)		**25237**	**18551**	**17645**	**10427**	**285.64**	**11902**	**284.64**	**1.00**

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

	Rajpura (2*700)	1400	1320	820	27.33	1139
	Talwandi Saboo (3*660)	1980	1228	616	23.70	988
	Thermal (Total)	**6560**	**2548**	**1436**	50.79	**2116**
	Total Hydro	1000	345	226	9.28	387
	Wind Power	0	0	0	0.00	0
	Biomass	288	9	9	0.21	9
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**9**	**9**	**0.29**	**12**
	Total Punjab	**8408**	**2901**	**1671**	**60.35**	**2515**
Haryana	Panipat TPS (2*210+2*250)	920	457	415	10.63	443
	DCRTPP (Yamuna nagar) (2*300)	600	559	463	12.38	516
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	198	0	2.51	104
	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**	**1214**	**878**	**25.51**	**1063**
	Total Hydro	62	5	8	0.26	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**	**1219**	**886**	**25.77**	**1074**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	894	882	22.13	922
	suratgarh TPS (6*250)	1500	179	184	4.71	196
	Chabra TPS (4*250)	1000	828	873	20.92	872
	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	194	174	4.68	195
	RAPS A (NPC) (1*100+1*200)	300	113	196	3.78	158
	Barsingsar (NLC) (2*125)	250	211	215	5.03	209
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	696	699	15.90	663
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1026	827	22.38	932
	Kawai(Adani) (2*660)	1320	1179	1183	28.64	1193
	Thermal (Total)	**8876**	**5320**	**5233**	**128.17**	**5340**
	Total Hydro	550	194	214	4.68	195
	Wind power	4017	146	188	5.19	216
	Biomass	99	14	14	0.34	14
	Solar	1295	7	0	0.36	15
	Renewable/Others (Total)	5411	167	202	5.90	246
	Total Rajasthan	**14837**	**5681**	**5649**	**138.75**	**5781**
UP	Anpara TPS (3*210+2*500)	1630	1370	1417	33.70	1404
	Obra TPS (2*50+2*94+5*200)	1194	505	428	11.70	488
	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	178	157	4.10	171
	Tanda TPS (NTPC) (4*110)	440	375	392	8.80	367
	Roza TPS (IPP) (4*300)	1200	752	756	19.20	800
	Anpara-C (IPP) (2*600)	1200	536	491	12.40	517
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	842	836	19.80	825
	Lalitpur TPS(3*660)	1980	1074	1072	27.20	1133
	Bara(2*660)	1320	545	544	13.10	546
	Thermal (Total)	**12449**	**6177**	**6093**	**150.00**	**6250**
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.50	63
	Alaknanada(4*82.5)	330	76	0	1.00	42
	Other Hydro	527	84	39	2.60	108
	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**	**7255**	**7045**	**175.50**	**7313**
Uttarakhand	Other Hydro	1250	518	324	10.16	423
	Total Gas	225	274	255	6.29	262
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.01	0
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.01	0
	Total Uttarakhand	1802	792	579	16.45	686
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	79	80	1.91	80
	Pragati Gas Turbine (2x104+ 1x122)	330	169	165	3.79	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**498**	**525**	**11.72**	**489**
	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**	**498**	**525**	**11.72**	**489**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.93	39
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro	372	37	51	2.10	87
	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	145	133	3.41	142
	Renewable(Total)	**486**	**145**	**133**	**3.41**	**142**
	Total HP	**1244**	**183**	**184**	**6.66**	**277**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	296	296	7.10	296
	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**	**427**	**405**	**10**	**417**

Total State Control Area Generation	**50078**	**18956**	**16943**	**445.21**	**18550**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**7382**	**7189**	**199.02**	**8292**
Total Regional Availability(Gross)	**75315**	**43983**	**34560**	**929.87**	**38745**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9310**	**2621**	**98.11**	**4088**
State Control Area Hydro	**7163**	**2174**	**1718**	**46.14**	**2185**
Total Regional Hydro	**19397**	**11484**	**4339**	**144.24**	**6272**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.14**	**6**
State Control Area Renewable	**7356**	**321**	**344**	**9.61**	**400**
Total Regional Renewable	**7386**	**321**	**344**	**9.74**	**406**

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	0	500	0.00	6.18	-6.18
765 KV Gwalior-Agra (D/C)	2015	2333	2761	0	57.24	0.00	57.24
400 KV Zerda-Kankroli	-54	-87	33	167	0.00	1.29	-1.29
400 KV Zerda-Bhinmal	79	22	126	110	1.17	0.00	1.17
220 KV Auraiya-Malanpur	-114	-104	0	128	0.00	2.33	-2.33
220 KV Badod-Kota/Morak	-42	-26	13	49	0.00	0.55	-0.55
Mundra-Mohindergarh(HVDC Bipole)	2202	1802	2205	0.00	51.32	0.00	51.32
400 KV RAPPC-Sujalpur	291	210	291	0	5.52	0.00	5.52
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	964	1094	1246	0	28.49	0.00	28.49
+/- 800 kV HVDC Champa-Kurushetra	147	0	148	0	0.75	0.00	0.75
Sub Total WR	**5241**	**4744**			**143.74**	**10.35**	**133.39**
400 kV Sasaram - Varanasi	162	170	179	0	4.11	0.00	4.11
400 kV Sasaram - Allahabad	79	69	97	0	1.77	0.00	1.77
400 KV MZP- GKP (D/C)	256	433	444	0	7.37	0.00	7.37
400 KV Patna-Balia(D/C) X 2	659	679	851	0	16.71	0.00	16.71
400 KV B'Sharif-Balia (D/C)	124	173	242	0	4.25	0.00	4.25
765 KV Gaya-Balia	256	261	359	0	6.98	0.00	6.98
765 KV Gaya-Varanasi (D/C)	561	501	788	0	14.66	0.00	14.66
220 KV Pusauli-Sahupuri	102	186	213	0	4.10	0.00	4.10
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-21	-27	0	30	0.00	0.61	-0.61
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-54	-22	136	54	0.64	0.00	0.64
400 KV Barh -GKP (D/C)	464	440	536	0	11.37	0.00	11.37
400 kV B'Sharif - Varanasi (D/C)	53	82	209	0	2.41	0.00	2.41
Sub Total ER	**2641**	**2945**			**74.35**	**0.61**	**73.74**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	300	500.00	0.00	8.11	-8.11
Sub Total NER	**-500**	**-500**			**0.00**	**8.11**	**-8.11**
Total IR Exch	**7382**	**7189**			**218.09**	**19.07**	**199.02**

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
51.87	0.20	52.07	-2.79	0.13	2.12	-0.06	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incldes Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
51.40	146.84	198.24	65.63	133.39	199.02	14.23	-13.45	0.78

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	-36	0	40	0	1	-0.88

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	0.38	10.51	58.70	75.91	10.22	3.38	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)	
50.19	18.01	49.77	21.09	49.98	0.044	0.064	50.07	49.84	24.09

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	408	0:04	401	10:42	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	13:06	401	18:28	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	13:03	405	10:36	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	1:41	403	10:20	0.0	0.0	0.0	0.0	0.0
Dadri	400	427	2:32	405	10:20	0.0	0.0	23.6	0.0	23.6
Ballabhgarh	400	425	1:59	404	9:34	0.0	0.0	17.8	0.0	17.8
Bawana	400	425	1:43	405	10:20	0.0	0.0	21.6	0.0	21.6
Bassi	400	423	20:40	402	22:39	0.0	0.0	2.2	0.0	2.2
Hissar	400	419	1:43	398	14:09	0.0	0.0	0.0	0.0	0.0
Moga	400	421	4:00	401	14:09	0.0	0.0	0.1	0.0	0.1
Abdullapur	400	425	1:58	405	16:13	0.0	0.0	25.2	0.0	25.2
Nalagarh	400	428	2:06	408	14:16	0.0	0.0	35.3	0.0	35.3
Kishenpur	400	418	4:01	396	18:53	0.0	0.0	0.0	0.0	0.0
Wagoora	400	391	13:01	368	18:54	54.8	99.8	0.0	0.0	54.8
Amritsar	400	426	3:01	402	14:16	0.0	0.0	30.3	0.0	30.3
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	420	2:08	405	13:58	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	421	1:22	398	10:22	0.0	0.0	2.8	0.0	2.8

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	779	1:43	750	10:19	0.0	0.0	0.0	0.0	0.0
Balia	765	783	13:07	761	18:26	0.0	0.0	0.0	0.0	0.0

Moga	765	799	20:42	767	14:09	0.0	0.0	0.0	0.0	0.0
Agra	765	787	1:43	760	10:21	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	1:58	774	10:10	0.0	0.0	7.7	0.0	7.7
Unnao	765	777	1:58	754	18:43	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	1:41	766	18:26	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	20:41	773	10:22	0.0	0.0	4.8	0.0	4.8
Jhatikara	765	804	1:58	769	10:22	0.0	0.0	8.5	0.0	8.5
Bareilly 765 kV	765	798	2:00	770	10:22	0.0	0.0	0.0	0.0	0.0
Anta	765	783	18:00	766	10:10	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	476.05	374.70	489.65	719.44	140.08	416.26
Pong	426.72	384.05	401.49	252.05	400.09	223.85	88.38	362.63
Tehri	829.79	740.04	784.60	379.92	776.35	278.16	37.88	257.00
Koteshwar	612.50	598.50	610.30	4.69	611.27	5.21	257.00	256.93
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	140.34	200.15
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	504.89	2.04	495.98	0.56	109.10	81.07

*** 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	-403	0	-101	0	0	-6.39	-4.16	-10.55
Delhi	-188	-452	0	-304	35	0	-6.34	-1.59	-7.93
Haryana	-622	405	0	-314	333	0	-9.99	8.10	-1.89
HP	319	110	0	206	-173	0	9.21	-2.01	7.20
J&K	422	-101	0	418	-216	0	9.92	-1.81	8.11
CHD	0	-20	0	0	-30	0	0.00	-0.43	-0.43
Rajasthan	27	339	0	24	316	0	8.25	6.12	14.37
UP	107	0	0	-17	-100	0	-6.05	-1.90	-7.95
Uttarakhand	15	9	0	0	160	0	0.70	3.46	4.16
Total	**-21**	**-114**	**0**	**-87**	**325**	**0**	**-0.69**	**5.79**	**5.10**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-655	0	-404	0	0
Delhi	-183	-345	397	-486	0	0
Haryana	-314	-622	407	-16	0	0
HP	600	167	111	-477	0	0
J&K	422	403	0	-216	0	0
CHD	0	0	10	-56	0	0
Rajasthan	926	21	339	-382	0	0
UP	162	-726	0	-100	0	0
Uttarakhand	121	0	400	-97	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	**7.99%**

(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	17
Haryana	2	14
Rajasthan	2	19
Delhi	4	44
UP	1	13
Uttarakhand	3	23
HP	4	27
J & K	5	53
Chandigarh	2	18

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 22.02.2017 :

XVI. Synchronisation of new generating units :

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

1. 240MVAR B/R at 765kV GSS Fatehabad(UP) first time charged at 1943Hrs of 22.02.2017

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 : 22.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER