पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.02.2017

Date of Reporting : 28.02.2017

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
41479	496	41975	49.95	30311	431	30742	50.02	887.44	15.63

* 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	50.00	9.55	0.32	59.87	51.34	51.87	0.53	111.74	0.00
Haryana	27.30	0.24	0.00	27.54	92.06	92.26	0.20	119.80	0.00
Rajasthan	124.39	3.44	9.95	137.78	66.91	69.08	2.18	206.86	0.00
Delhi	15.35		0.00	15.35	47.64	47.20	-0.44	62.56	0.00
UP	173.73	5.20	0.00	178.93	99.63	101.45	1.82	280.38	1.96
Uttarakhand		8.62	0.00	15.92	18.12	18.95	0.83	34.87	0.12
HP		8.80	2.87	8.80	17.41	18.70	1.29	27.50	0.14
J & K		6.44	0.00	6.44	35.53	34.10	-1.43	40.53	13.41
Chandigarh				0.00	3.28	3.19	-0.09	3.19	0.00
Total	**390.77**	**42.29**	**13.14**	**450.63**	**431.91**	**436.81**	**4.89**	**887.44**	15.63

* 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	6372	0	207	-303	3256	0	124	-303	6372	19:00	0
Haryana	5838	0	13	-57	3264	0	34	-365	6056	7:00	0
Rajasthan	8333	0	125	223	7897	0	201	396	9804	8:00	0
Delhi	2863	0	-170	-252	1409	0	-92	-776	3325	11:00	0
UP	13015	0	335	-20	10846	0	-43	114	13015	19:00	0
Uttarakhand	1831	0	96	137	1161	0	53	-47	1868	8:00	0
HP	1109	6	26	62	695	6	-13	360	1387	8:00	6
J&K	1958	490	50	503	1700	425	18	421	1999	20:00	500
Chandigarh	160	0	-23	-20	83	0	4	0	186	8:00	0
Total	**41479**	**496**	**659**	**273**	**30311**	**431**	**287**	**-199**	**42045**	**8:00**	**486**

* 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	1545	1317	1604	36.60	1525	36.19	0.41
	Rihand I STPS (2*500)	1000	484	477	400	10.77	449	10.85	-0.09
	Rihand II STPS (2*500)	1000	960	960	781	21.60	900	21.75	-0.16
	Rihand III STPS (2*500)	1000	983	983	868	22.09	921	22.30	-0.21
	Dadri I STPS (4*210)	840	815	140	141	3.87	161	4.05	-0.18
	Dadri II STPS (2*490)	980	980	394	332	9.39	391	9.94	-0.55
	Unchahar I TPS (2*210)	420	407	423	295	8.16	340	8.78	-0.63
	Unchahar II TPS (2*210)	420	405	426	284	7.69	320	8.13	-0.45
	Unchahar III TPS (1*210)	210	203	218	143	3.74	156	3.91	-0.17
	ISTPP (Jhajjhar) (3*500)	1500	1236	442	604	13.92	580	14.92	-0.99
	Dadri GPS (4*130.19+2*154.51)	830	410	0	0	0.00	0	0.01	-0.01
	Anta GPS (3*88.71+1*153.2)	419	411	215	200	5.03	210	5.14	-0.12
	Auraiya GPS (4*111.19+2*109.30)	663	644	156	152	3.47	145	3.46	0.01
	Dadri Solar(5)	5	1	0	0	0.03	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.06	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	KHEP(4*200)	800	861	652	0	2.52	105	2.62	-0.10
	Sub Total (A)	**12112**	**10349**	**6803**	**5804**	**149**	**6208**	**152**	**-3.20**
B. NPC	NAPS (2*220)	440	414	447	457	9.90	412	9.94	-0.04
	RAPS- B (2*220)	440	381	423	427	9.14	381	9.14	-0.01
	RAPS- C (2*220)	440	405	435	442	9.45	394	9.72	-0.27
	Sub Total (B)	**1320**	**1200**	**1305**	**1326**	**28.48**	**1187**	**28.80**	**-0.32**
C. NHPC	Chamera I HPS (3*180)	540	548	557	0	2.31	96	2.20	0.11
	Chamera II HPS (3*100)	300	301	310	0	1.63	68	1.50	0.13
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	183	61	2.04	85	1.92	0.12
	Salal-HPS (6*115)	690	153	344	180	4.61	192	3.67	0.94
	Tanakpur-HPS (3*31.4)	94	18	32	19	0.48	20	0.44	0.05
	Uri-I HPS (4*120)	480	473	474	470	11.47	478	11.36	0.12
	Uri-II HPS (4*60)	240	234	239	236	5.63	234	5.62	0.00
	Dhauliganga-HPS (4*70)	280	140	139	0	0.75	31	0.76	-0.01
	Dulhasti-HPS (3*130)	390	387	401	0	2.91	121	2.70	0.21
	Sewa-II HPS (3*40)	120	119	107	125	2.21	92	2.20	0.01
	Parbati 3 (4*130)	520	165	264	0	0.60	25	0.59	0.02
	Sub Total (C)	**4065**	**2718**	**3050**	**1090**	**35**	**1443**	**33**	**1.69**
D.SJVNL	NJPC (6*250)	1500	1605	1268	0	6.32	263	6.31	0.01
	Rampur HEP (6*68.67)	412	375	370	0	1.74	72	1.70	0.04
	Sub Total (D)	**1912**	**1980**	**1638**	**0**	**8.06**	**336**	**8.01**	**0.05**
E. THDC	Tehri HPS (4*250)	1000	824	819	0	8.48	353	8.45	0.03
	Koteshwar HPS (4*100)	400	141	389	90	3.40	142	3.40	0.01
	Sub Total (E)	**1400**	**965**	**1208**	**90**	**11.88**	**495**	**11.84**	**0.04**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	514	962	359	12.89	537	12.34	0.55
	Dehar HPS (6*165)	990	156	495	0	3.83	160	3.75	0.08
	Pong HPS (6*66)	396	193	300	0	4.63	193	4.63	0.00
	Sub Total (F)	**2765**	**863**	**1757**	**359**	**21.35**	**889**	**20.72**	**0.63**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.41	17	0.38	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	615	0	3.49	145	3.55	-0.07
	Malana Stg-II HPS (2*50)	100	0	0	0	0.21	9	0.20	0.01
	Shree Cement TPS (2*150)	300	0	212	130	5.03	209	4.95	0.08
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
	Sub Total (G)	**1662**	**0**	**827**	**130**	**9.13**	**381**	**9.09**	**0.05**
H. Total Regional Entities (A-G)		**25237**	**18075**	**16587**	**8800**	**262.52**	**10938**	**263.59**	**-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	-0.12	-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	1320	660	27.37	1140
	Talwandi Saboo (3*660)	1980	1228	616	22.87	953
	Thermal (Total)	**6560**	**2548**	**1276**	50.00	**2083**
	Total Hydro	1000	494	244	9.55	398
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.24	10
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**0**	**0**	**0.32**	**13**
	Total Punjab	**8408**	**3042**	**1520**	**59.87**	**2495**
Haryana	Panipat TPS (2*210+2*250)	920	466	414	10.77	449
	DCRTPP (Yamuna nagar) (2*300)	600	563	464	12.60	525
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	163	165	3.94	164
	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**	**1192**	**1043**	**27.30**	**1138**
	Total Hydro	62	4	7	0.24	10
	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**	**1196**	**1050**	**27.54**	**1147**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	979	967	23.58	983
	suratgarh TPS (6*250)	1500	181	185	4.59	191
	Chabra TPS (4*250)	1000	742	768	19.95	831
	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	164	175	4.54	189
	RAPS A (NPC) (1*100+1*200)	300	193	193	4.37	182
	Barsingsar (NLC) (2*125)	250	207	212	4.70	196
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	417	380	13.85	577
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	829	825	22.50	937
	Kawai(Adani) (2*660)	1320	883	922	26.30	1096
	Thermal (Total)	**8876**	**4595**	**4627**	**124.39**	**5183**
	Total Hydro	550	114	115	3.44	143
	Wind power	4017	571	359	9.57	399
	Biomass	99	14	14	0.33	14
	Solar	1295	1	0	0.06	2
	Renewable/Others (Total)	5411	586	373	9.95	415
	Total Rajasthan	**14837**	**5295**	**5115**	**137.78**	**5741**
UP	Anpara TPS (3*210+2*500)	1630	1384	1139	31.69	1320
	Obra TPS (2*50+2*94+5*200)	1194	494	510	11.82	492
	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	155	4.69	195
	Tanda TPS (NTPC) (4*110)	440	374	276	8.69	362
	Roza TPS (IPP) (4*300)	1200	1094	744	24.34	1014
	Anpara-C (IPP) (2*600)	1200	482	491	11.59	483
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	664	847	18.82	784
	Lalitpur TPS(3*660)	1980	1254	1062	29.05	1211
	Bara(2*660)	1320	542	381	12.64	527
	Thermal (Total)	**12449**	**6446**	**5605**	**153.33**	**6389**
	Vishnuparyag HPS (IPP)(4*110)	440	63	63	1.50	62
	Alaknanada(4*82.5)	330	76	0	0.86	36
	Other Hydro	527	24	83	2.85	119
	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**	**7459**	**6601**	**178.93**	**7456**
Uttarakhand	Other Hydro	1250	406	336	8.62	359
	Total Gas	225	293	305	7.13	297
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.17	7
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.17	7
	Total Uttarakhand	1802	699	641	15.92	663
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	73	1.91	80
	Pragati Gas Turbine (2x104+ 1x122)	330	158	158	7.31	305
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	251	6.14	256
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**481**	**482**	**15.35**	**640**
	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**	**481**	**482**	**15.35**	**640**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.99	41
	Malana HPS (IPP) (2*43)	86	21	0	0.19	8
	Other Hydro	372	127	180	4.75	198
	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	64	159	2.87	120
	Renewable(Total)	**486**	**64**	**159**	**2.87**	**120**
	Total HP	**1244**	**212**	**339**	**8.80**	**367**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	149	149	3.58	149
	Other Hydro/IPP(including 98 MW Small Hydro)	308	133	112	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**	**261**	**6**	**268**

Total State Control Area Generation	**50078**	**18666**	**16009**	**450.63**	**18776**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**7643.43**	**6711.87**	**195.71**	**8155**
Total Regional Availability(Gross)	**75315**	**42896**	**31520**	**908.86**	**37869**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8919**	**1539**	**82.55**	**3439**
State Control Area Hydro	**7163**	**1968**	**1753**	**42.29**	**2066**
Total Regional Hydro	**19397**	**10887**	**3292**	**124.83**	**5506**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.15**	**6**
State Control Area Renewable	**7356**	**650**	**532**	**13.32**	**555**
Total Regional Renewable	**7386**	**650**	**532**	**13.47**	**561**

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)	-50	-500	100	500	1.02	3.95	-2.94
765 KV Gwalior-Agra (D/C)	2202	2228	2550	0	56.07	0.00	56.07
400 KV Zerda-Kankroli	-37	-140	37	216	0.00	1.38	-1.38
400 KV Zerda-Bhinmal	74	40	135	127	0.56	0.00	0.56
220 KV Auraiya-Malanpur	-108	-103	0	125	0.00	2.30	-2.30
220 KV Badod-Kota/Morak	-57	-58	7	53	0.00	0.91	-0.91
Mundra-Mohindergarh(HVDC Bipole)	2498	2097	2506	0.00	57.63	0.00	57.63
400 KV RAPPC-Sujalpur	41	167	320	0	2.93	0.00	2.93
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	931	1087	1345	0	27.49	0.00	27.49
+/- 800 kV HVDC Champa-Kurushetra	150	149	0	0	1.47	0.00	1.47
Sub Total WR	**5494**	**4818**			**145.69**	**8.54**	**137.15**
400 kV Sasaram - Varanasi	256	269	283	0	9.76	0.00	9.76
400 kV Sasaram - Allahabad	139	124	145	0	2.95	0.00	2.95
400 KV MZP- GKP (D/C)	262	187	385	0	5.51	0.00	5.51
400 KV Patna-Balia(D/C) X 2	757	687	875	0	17.40	0.00	17.40
400 KV B'Sharif-Balia (D/C)	56	53	150	0	2.17	0.00	2.17
765 KV Gaya-Balia	250	204	292	0	5.81	0.00	5.81
765 KV Gaya-Varanasi (D/C)	526	345	745	0	13.07	0.00	13.07
220 KV Pusauli-Sahupuri	84	171	211	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	-22	-22	0	32	0.00	0.55	-0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-191	-158	36	0	0.00	1.93	-1.93
400 KV Barh -GKP (D/C)	552	498	604	0	12.17	0.00	12.17
400 kV B'Sharif - Varanasi (D/C)	-18	37	138	59	0.38	0.00	0.38
Sub Total ER	**2651**	**2395**			**73.13**	**2.48**	**70.66**
+/- 800 KV HVDC BiswanathCharialli-Agra	-502	-501	0	502.00	0.00	12.09	-12.09
Sub Total NER	**-502**	**-501**			**0.00**	**12.09**	**-12.09**
Total IR Exch	**7643**	**6712**			**218.82**	**23.10**	**195.71**

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
45.39	0.23	45.62	-2.72	-0.32	6.27	-0.16	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
49.17	139.33	188.50	58.57	137.15	195.71	9.39	-2.18	7.21

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	-16	-15	0	-18	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	0.23	5.38	48.66	72.88	18.39	3.30	0.10	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)	
50.21	18.02	49.76	22.09	50.00	0.038	0.061	50.07	49.88	27.12

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	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Gorakhpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bareilly(PG)400kV	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Kanpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Dadri	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Ballabhgarh	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bawana	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bassi	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Hissar	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Moga	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Abdullapur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Nalagarh	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Kishenpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Wagoora	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Amritsar	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Kashipur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Hamirpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Rishikesh	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Balia	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

Moga	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Agra	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bhiwani	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Unnao	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Lucknow	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Meerut	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Jhatikara	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Bareilly 765 kV	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Anta	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
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	474.38	340.29	488.30	680.71	178.20	441.57
Pong	426.72	384.05	400.62	230.85	399.09	197.21	43.30	332.21
Tehri	829.79	740.04	781.20	335.67	773.35	244.58	36.80	231.00
Koteshwar	612.50	598.50	609.78	4.44	611.07	4.93	231.00	231.00
Chamera-I	760.00	748.75	758.18	0.00	0.00	0.00	73.72	62.28
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	505.17	1.94	496.06	1.34	90.56	88.18

*** 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	-101	-202	0	-101	-202	0	-6.39	-2.23	-8.62
Delhi	-187	-589	0	-272	20	0	-6.02	-1.26	-7.28
Haryana	-622	256	0	-314	257	0	-9.99	6.12	-3.87
HP	319	41	0	206	-144	0	9.07	-2.30	6.77
J&K	421	0	0	418	84	0	9.92	0.13	10.05
CHD	0	0	0	0	-20	0	0.00	-0.41	-0.41
Rajasthan	27	369	0	-7	230	0	8.17	5.31	13.48
UP	114	0	0	-20	0	0	-6.13	0.00	-6.13
Uttarakhand	0	-47	0	0	137	0	0.31	3.47	3.78
Total	**-27**	**-172**	**0**	**-90**	**362**	**0**	**-1.06**	**8.83**	**7.76**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-101	-655	0	-484	0	0
Delhi	-184	-343	444	-591	0	0
Haryana	-314	-622	327	-54	0	0
HP	529	201	43	-623	0	0
J&K	421	403	99	-303	0	0
CHD	0	0	0	-61	0	0
Rajasthan	922	-7	370	-352	0	0
UP	164	-725	0	0	0	0
Uttarakhand	73	0	362	-73	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	**2.78%**
ER	**0.00%**
Simultaneous	**6.60%**

(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	2	17
Haryana	0	10
Rajasthan	0	11
Delhi	3	26
UP	1	16
Uttarakhand	2	16
HP	4	20
J & K	2	16
Chandigarh	3	42

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.02.2017 :

XVI. Synchronisation of new generating units :
ICT-II(1500MVA) 765/400kV at Fatehbad(UPPCL) first time synchronized at 14.58hr on 27.02.2017

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 : 27.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER