पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.03.2017

Date of Reporting : 02.03.2017

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
40504	484	40988	49.95	32855	414	33268	50.02	911.12	10.62

* 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	46.41	9.69	0.32	56.41	57.73	57.85	0.12	114.27	0.00
Haryana	37.80	0.22	0.00	38.02	90.88	90.79	-0.09	128.81	0.00
Rajasthan	133.40	4.54	12.56	150.49	63.61	65.25	1.64	215.75	0.00
Delhi	11.63		0.00	11.63	48.79	49.10	0.30	60.73	0.00
UP	174.50	5.49	0.00	179.99	103.94	103.36	-0.58	283.35	0.00
Uttarakhand		8.56	0.00	15.60	17.92	17.76	-0.16	33.36	0.00
HP		8.26	2.89	8.26	18.55	20.82	2.27	29.08	0.00
J & K		7.90	0.00	7.90	34.95	34.58	-0.37	42.48	10.62
Chandigarh				0.00	3.38	3.30	-0.08	3.30	0.00
Total	**403.74**	**44.65**	**15.76**	**468.30**	**439.75**	**442.82**	**3.08**	**911.12**	10.62

* 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	5367	0	-538	-57	3406	0	63	-259	5625	18:00	0
Haryana	5806	0	-67	89	3824	0	139	-158	6374	7:00	0
Rajasthan	8558	0	-91	-162	8797	0	222	454	10095	8:00	0
Delhi	2976	0	-69	-186	1558	0	17	-754	3326	11:00	0
UP	12666	0	3	26	11534	0	-38	113	13019	7:00	0
Uttarakhand	1843	0	128	135	1204	0	23	176	1843	19:00	0
HP	1179	0	81	4	795	0	63	426	1426	8:00	0
J&K	1938	484	52	472	1654	414	-124	274	1947	20:00	487
Chandigarh	171	0	-19	-25	82	0	12	-25	192	8:00	0
Total	**40504**	**484**	**-519**	**297**	**32855**	**414**	**377**	**245**	**42378**	**8:00**	**510**

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

Diversity is 1.03

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	1424	1816	1303	34.42	1434	34.12	0.30
	Rihand I STPS (2*500)	1000	484	449	418	10.27	428	11.25	-0.98
	Rihand II STPS (2*500)	1000	960	1018	1006	22.72	947	22.80	-0.07
	Rihand III STPS (2*500)	1000	983	1009	900	22.71	946	23.22	-0.51
	Dadri I STPS (4*210)	840	815	150	149	3.96	165	4.25	-0.29
	Dadri II STPS (2*490)	980	980	357	431	9.37	390	10.09	-0.72
	Unchahar I TPS (2*210)	420	407	307	323	8.03	335	8.43	-0.40
	Unchahar II TPS (2*210)	420	405	293	293	7.64	318	8.02	-0.39
	Unchahar III TPS (1*210)	210	203	157	154	3.88	162	4.06	-0.17
	ISTPP (Jhajjhar) (3*500)	1500	1373	390	366	9.13	381	9.36	-0.23
	Dadri GPS (4*130.19+2*154.51)	830	405	0	0	0.00	0	0.00	0.00
	Anta GPS (3*88.71+1*153.2)	419	411	225	201	5.52	230	5.61	-0.09
	Auraiya GPS (4*111.19+2*109.30)	663	644	158	144	3.34	139	3.44	-0.10
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.06	-0.01
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.01
	KHEP(4*200)	800	655	651	0	1.99	83	1.97	0.03
	Sub Total (A)	**12112**	**10154**	**6980**	**5688**	**143**	**5963**	**147**	**-3.64**
B. NPC	NAPS (2*220)	440	414	447	451	9.80	408	9.94	-0.13
	RAPS- B (2*220)	440	380	424	425	9.09	379	9.12	-0.03
	RAPS- C (2*220)	440	405	431	440	9.39	391	9.72	-0.33
	Sub Total (B)	**1320**	**1199**	**1302**	**1316**	**28.28**	**1178**	**28.78**	**-0.50**
C. NHPC	Chamera I HPS (3*180)	540	548	560	0	3.21	134	3.00	0.21
	Chamera II HPS (3*100)	300	301	307	0	1.76	74	1.60	0.16
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	179	184	0	1.71	71	1.68	0.04
	Salal-HPS (6*115)	690	133	345	132	4.15	173	3.19	0.96
	Tanakpur-HPS (3*31.4)	94	16	30	13	0.41	17	0.41	0.00
	Uri-I HPS (4*120)	480	469	478	474	11.54	481	11.26	0.29
	Uri-II HPS (4*60)	240	237	244	241	5.74	239	5.69	0.05
	Dhauliganga-HPS (4*70)	280	140	145	0	0.87	36	0.83	0.04
	Dulhasti-HPS (3*130)	390	387	400	0	3.21	134	3.00	0.21
	Sewa-II HPS (3*40)	120	119	123	120	2.03	84	2.00	0.03
	Parbati 3 (4*130)	520	130	130	0	0.40	17	0.39	0.01
	Sub Total (C)	**4065**	**2659**	**2948**	**980**	**35**	**1460**	**33**	**2.01**
D.SJVNL	NJPC (6*250)	1500	1605	1591	0	6.16	257	6.30	-0.14
	Rampur HEP (6*68.67)	412	375	371	0	1.64	68	1.65	-0.01
	Sub Total (D)	**1912**	**1980**	**1962**	**0**	**7.79**	**325**	**7.95**	**-0.16**
E. THDC	Tehri HPS (4*250)	1000	812	806	0	8.16	340	8.17	-0.01
	Koteshwar HPS (4*100)	400	135	392	90	3.31	138	3.25	0.06
	Sub Total (E)	**1400**	**947**	**1198**	**90**	**11.47**	**478**	**11.42**	**0.05**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	537	979	358	13.41	559	12.89	0.52
	Dehar HPS (6*165)	990	153	495	0	3.80	158	3.68	0.12
	Pong HPS (6*66)	396	208	360	0	5.06	211	5.00	0.06
	Sub Total (F)	**2765**	**899**	**1834**	**358**	**22.27**	**928**	**21.57**	**0.70**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.52	22	0.50	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	580	0	3.32	138	3.32	0.00
	Malana Stg-II HPS (2*50)	100	0	0	0	0.22	9	0.21	0.01
	Shree Cement TPS (2*150)	300	0	289	171	5.99	250	5.97	0.02
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
	Sub Total (G)	**1662**	**0**	**869**	**171**	**10.05**	**419**	**10.00**	**0.05**
H. Total Regional Entities (A-G)		**25237**	**17838**	**17093**	**8603**	**258.03**	**10751**	**259.50**	**-1.47**

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	25.37	1057
	Talwandi Saboo (3*660)	1980	616	616	21.03	876
	Thermal (Total)	**6560**	**1936**	**1276**	46.41	**1934**
	Total Hydro	1000	360	257	9.69	404
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.27	11
	Solar	560	0	0	0.05	2
	Renewable(Total)	**848**	**0**	**0**	**0.32**	**13**
	Total Punjab	**8408**	**2296**	**1533**	**56.41**	**2351**
Haryana	Panipat TPS (2*210+2*250)	920	413	405	10.53	439
	DCRTPP (Yamuna nagar) (2*300)	600	466	460	12.26	511
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	162	153	4.37	182
	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	376	378	10.64	443
	Thermal (Total)	**4497**	**1417**	**1396**	**37.80**	**1575**
	Total Hydro	62	6	6	0.22	9
	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**	**1423**	**1402**	**38.02**	**1584**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1012	964	25.05	1044
	suratgarh TPS (6*250)	1500	180	188	4.69	195
	Chabra TPS (4*250)	1000	828	967	22.44	935
	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	178	4.54	189
	RAPS A (NPC) (1*100+1*200)	300	194	193	4.37	182
	Barsingsar (NLC) (2*125)	250	203	215	4.88	203
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	491	743	15.42	642
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	856	929	23.63	985
	Kawai(Adani) (2*660)	1320	1090	1192	28.38	1183
	Thermal (Total)	**8876**	**5030**	**5569**	**133.40**	**5558**
	Total Hydro	550	173	215	4.54	189
	Wind power	4017	233	273	9.24	385
	Biomass	99	17	17	0.40	17
	Solar	1295	0	0	2.92	122
	Renewable/Others (Total)	5411	250	290	12.56	523
	Total Rajasthan	**14837**	**5453**	**6074**	**150.49**	**6271**
UP	Anpara TPS (3*210+2*500)	1630	1378	1392	33.16	1381
	Obra TPS (2*50+2*94+5*200)	1194	478	497	11.90	496
	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	313	157	6.61	275
	Tanda TPS (NTPC) (4*110)	440	392	375	9.11	380
	Roza TPS (IPP) (4*300)	1200	1116	1080	26.37	1099
	Anpara-C (IPP) (2*600)	1200	0	0	0.34	14
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	833	817	18.20	758
	Lalitpur TPS(3*660)	1980	1325	1510	35.46	1478
	Bara(2*660)	1320	541	536	12.95	539
	Thermal (Total)	**12449**	**6376**	**6364**	**154.10**	**6421**
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.52	63
	Alaknanada(4*82.5)	330	76	0	0.86	36
	Other Hydro	527	49	108	3.11	130
	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**	**7419**	**7385**	**179.99**	**7500**
Uttarakhand	Other Hydro	1250	520	312	8.56	357
	Total Gas	225	287	295	6.88	287
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.15	6
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.15	6
	Total Uttarakhand	1802	807	607	15.60	650
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	72	1.89	79
	Pragati Gas Turbine (2x104+ 1x122)	330	152	155	3.73	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	249	6.01	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**473**	**476**	**11.63**	**485**
	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**	**473**	**476**	**11.63**	**485**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.87	36
	Malana HPS (IPP) (2*43)	86	0	0	0.24	10
	Other Hydro	372	177	111	4.26	178
	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	128	103	2.89	120
	Renewable(Total)	**486**	**128**	**103**	**2.89**	**120**
	Total HP	**1244**	**305**	**213**	**8.26**	**344**

J & K	Baglihar HPS (IPP) (3*150+3*150)	900	149	296	5.04	210
	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**	**408**	**8**	**329**
Total State Control Area Generation		**50078**	**18458**	**18098**	**468.30**	**19512**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**2538.17**	**2964.59**	**205.78**	**8574**
Total Regional Availability(Gross)		**75315**	**38089**	**29666**	**932.10**	**38838**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9173**	**1428**	**82.64**	**3443**
State Control Area Hydro	**7163**	**2126**	**1877**	**44.65**	**2154**
Total Regional Hydro	**19397**	**11299**	**3306**	**127.29**	**5597**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.13**	**6**
State Control Area Renewable	**7356**	**378**	**393**	**15.92**	**663**
Total Regional Renewable	**7386**	**378**	**393**	**16.05**	**669**

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	300	300	200	2.71	1.07	1.64
765 KV Gwalior-Agra (D/C)	-2471	-2238	2915	0	61.61	0.00	61.61
400 KV Zerda-Kankroli	-130	-165	65	195	0.00	1.62	-1.62
400 KV Zerda-Bhinmal	38	47	142	135	0.27	0.00	0.27
220 KV Auraiya-Malanpur	-97	-87	0	111	0.00	1.59	-1.59
220 KV Badod-Kota/Morak	-66	-42	0	8	0.00	0.92	-0.92
Mundra-Mohindergarh(HVDC Bipole)	2498	2202	2506	0.00	57.83	0.00	57.83
400 KV RAPPC-Sujalpur	33	221	230	0	2.38	0.00	2.38
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	908	967	1288	0	26.56	0.00	26.56
+/- 800 kV HVDC Champa-Kurushetra	0	149	1000	0	0.00	0.00	0.00
Sub Total WR	**813**	**1205**			**151.36**	**5.20**	**146.16**
400 kV Sasaram - Varanasi	277	283	292	0	9.46	0.00	9.46
400 kV Sasaram - Allahabad	113	105	151	0	3.00	0.00	3.00
400 KV MZP- GKP (D/C)	200	231	446	0	6.40	0.00	6.40
400 KV Patna-Balia(D/C) X 2	458	493	647	0	13.28	0.00	13.28
400 KV B'Sharif-Balia (D/C)	100	101	258	0	4.00	0.00	4.00
765 KV Gaya-Balia	279	231	371	0	7.32	0.00	7.32
765 KV Gaya-Varanasi (D/C)	442	381	720	0	13.10	0.00	13.10
220 KV Pusauli-Sahupuri	195	186	224	0	4.50	0.00	4.50
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-20	-24	0	0	0.00	-0.59	0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-279	-156	12	279	0.00	1.96	-1.96
400 KV Barh -GKP (D/C)	440	398	500	0	9.84	0.00	9.84
400 kV B'Sharif - Varanasi (D/C)	20	31	147	51	0.94	0.00	0.94
Sub Total ER	**2225**	**2260**			**72.31**	**1.37**	**70.93**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	11.32	-11.32
Sub Total NER	**-500**	**-500**			**0.00**	**11.32**	**-11.32**
Total IR Exch	**2538**	**2965**			**223.66**	**17.88**	**205.78**

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
53.15	0.23	53.38	-3.23	-0.39	6.77	0.00	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
56.91	142.69	199.61	59.62	146.16	205.78	2.70	3.47	6.17

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	-17	-16	0	17	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	0.02	9.26	60.52	77.18	11.02	2.51	0.07	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)	
50.21	18.02	49.80	0.08	49.98	0.041	0.062	50.09	49.89	22.82

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	3:32	400	10:08	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	3:44	398	18:43	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	3:47	385	9:57	0.0	0.1	0.0	0.0	0.0
Kanpur	400	416	20:51	400	10:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	433	4:00	405	12:05	0.0	0.0	33.6	2.6	33.6
Ballabhgarh	400	426	4:02	400	10:19	0.0	0.0	12.3	0.0	12.3
Bawana	400	429	4:01	403	11:13	0.0	0.0	23.5	0.0	23.5
Bassi	400	424	18:01	399	7:17	0.0	0.0	4.3	0.0	4.3
Hissar	400	422	3:45	396	12:20	0.0	0.0	1.4	0.0	1.4
Moga	400	426	3:45	402	11:09	0.0	0.0	18.2	0.0	18.2

Abdullapur	400	427	3:28	404	11:09	0.0	0.0	25.3	0.0	25.3
Nalagarh	400	432	3:45	406	11:13	0.0	0.0	33.5	1.3	33.5
Kishenpur	400	422	3:48	401	7:21	0.0	0.0	2.1	0.0	2.1
Wagoora	400	392	4:06	371	18:49	59.9	97.5	0.0	0.0	59.9
Amritsar	400	429	2:59	404	11:13	0.0	0.0	27.4	0.0	27.4
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	425	4:06	403	15:15	0.0	0.0	21.3	0.0	21.3
Rishikesh	400	423	3:02	401	10:15	0.0	0.0	4.9	0.0	4.9

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	781	3:47	750	10:09	0.0	0.0	0.0	0.0	0.0
Balia	765	787	3:44	759	18:44	0.0	0.0	0.0	0.0	0.0
Moga	765	802	20:24	765	12:20	0.0	0.0	1.2	0.0	1.2
Agra	765	792	3:46	760	10:12	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	3:03	770	11:08	0.0	0.0	19.8	0.0	19.8
Unnao	765	780	3:46	748	7:24	0.0	0.0	0.0	0.0	0.0
Lucknow	765	792	3:45	766	7:31	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	3:47	771	10:13	0.0	0.0	22.3	0.0	22.3
Jhatikara	765	810	3:46	767	12:11	0.0	0.0	13.7	0.0	13.7
Bareilly 765 kV	765	797	3:45	767	7:32	0.0	0.0	0.0	0.0	0.0
Anta	765	795	18:08	764	7:17	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	473.59	329.69	487.25	652.97	136.97	459.64
Pong	426.72	384.05	400.22	223.85	398.44	185.67	41.12	364.32
Tehri	829.79	740.04	779.95	319.79	771.60	225.46	37.37	224.00
Koteshwar	612.50	598.50	610.09	4.60	611.15	5.15	224.00	217.72
Chamera-I	760.00	748.75	758.49	0.00	0.00	0.00	90.29	86.78
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	505.16	1.87	496.03	1.09	67.91	92.78

*** 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	-202	0	-57	0	0	-1.59	-4.59	-6.19
Delhi	-325	-430	0	-275	89	0	-5.40	-2.52	-7.93
Haryana	-515	357	0	-237	327	0	-7.92	7.70	-0.22
HP	347	79	0	151	-147	0	7.56	-0.76	6.80
J&K	274	0	0	274	198	0	6.59	1.54	8.12
CHD	0	-25	0	0	-25	0	0.00	-0.45	-0.45
Rajasthan	42	412	0	33	-195	0	0.70	5.87	6.56
UP	113	0	0	26	0	0	-1.67	0.00	-1.67
Uttarakhand	73	103	0	0	135	0	0.28	3.98	4.26
Total	**-48**	**294**	**0**	**-85**	**382**	**0**	**-1.46**	**10.76**	**9.29**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-57	-82	0	-707	0	0
Delhi	-162	-330	289	-486	0	0
Haryana	-237	-515	374	114	0	0
HP	424	151	96	-431	0	0
J&K	274	274	198	-202	0	0
CHD	0	0	10	-56	0	0
Rajasthan	46	2	546	-470	0	0
UP	159	-317	0	0	0	0
Uttarakhand	73	0	360	19	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	**1.39%**

(ii)%age of times ATC violated on the inter-regional corridors

WR	**19.10%**
ER	**0.00%**
Simultaneous	**21.18%**

(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	18
Haryana	0	12

Rajasthan	1	13
Delhi	4	32
UP	0	8
Uttarakhand	2	17
HP	6	25
J & K	3	29
Chandigarh	3	27

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.03.2017 :

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 : 01.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER