पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 02.01.2017
Date of Reporting : 03.01.2017

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
42018	910	42928	50.05	27918	429	28347	50.06	848.73	14.06

* 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	48.91	9.05	0.31	58.27	37.52	38.17	0.65	96.44	0.00
Haryana	33.44	0.30	0.00	33.74	76.85	76.64	-0.21	110.38	0.00
Rajasthan	113.85	5.49	5.51	124.85	72.75	74.05	1.30	198.89	0.00
Delhi	11.53		0.00	11.53	47.48	47.42	-0.05	58.95	0.00
UP	185.26	5.60	0.00	190.86	86.80	86.53	-0.27	277.39	2.56
Uttarakhand		8.97	0.00	15.81	15.86	16.24	0.37	32.05	0.00
HP		4.93	1.07	4.93	20.74	20.31	-0.43	25.25	0.00
J & K		3.98	0.00	3.98	38.57	42.02	3.45	46.00	11.49
Chandigarh				0.00	3.77	3.38	-0.39	3.38	0.00
Total	**393.00**	**38.32**	**6.88**	**443.97**	**400.34**	**404.77**	**4.43**	**848.73**	14.06

* 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	5113	0	56	-617	2850	0	159	-542	5113	19:00	0
Haryana	6132	0	-120	-227	3055	0	-111	-605	6132	19:00	0
Rajasthan	9601	0	150	220	7097	0	125	277	9601	19:00	0
Delhi	3060	0	55	-99	1327	0	-142	-414	3514	11:00	0
UP	12828	370	-120	-241	10152	0	76	55	13437	8:00	0
Uttarakhand	1706	0	80	5	989	0	-117	109	1716	8:00	0
HP	1244	0	-55	376	645	0	-164	539	1302	11:00	0
J&K	2159	540	265	844	1716	429	81	855	2178	20:00	545
Chandigarh	175	0	-24	0	88	0	-4	0	204	9:00	0
Total	**42018**	**910**	**286**	**261**	**27918**	**429**	**-98**	**274**	**42018**	**19:00**	**910**

* 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	1875	2032	1460	41.53	1731	40.92	0.62
	Rihand I STPS (2*500)	1000	845	839	644	17.46	728	17.49	-0.03
	Rihand II STPS (2*500)	1000	959	1009	665	20.36	848	20.31	0.05
	Rihand III STPS (2*500)	1000	960	987	643	20.33	847	20.33	0.00
	Dadri I STPS (4*210)	840	815	142	136	3.88	162	3.95	-0.07
	Dadri II STPS (2*490)	980	980	333	326	8.90	371	9.50	-0.60
	Unchahar I TPS (2*210)	420	406	412	281	7.46	311	7.98	-0.52
	Unchahar II TPS (2*210)	420	405	390	278	7.17	299	7.77	-0.60
	Unchahar III TPS (1*210)	210	203	183	138	3.55	148	3.97	-0.42
	ISTPP (Jhajjhar) (3*500)	1500	1440	976	601	15.11	630	15.27	-0.16
	Dadri GPS (4*130.19+2*154.51)	830	814	245	287	6.45	269	6.99	-0.54
	Anta GPS (3*88.71+1*153.2)	419	417	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	637	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.01	0.00
	Unchahar Solar(10)	10	0	0	0	0.00	0	0.01	-0.01
	Singrauli Solar(15)	15	1	0	0	0.00	0	0.03	-0.03
	KHEP(4*200)	800	870	533	0	2.61	109	2.61	0.00
	Sub Total (A)	**12112**	**11626**	**8081**	**5459**	**155**	**6452**	**157**	**-2.31**
B. NPC	NAPS (2*220)	440	420	454	451	9.97	415	10.08	-0.12
	RAPS- B (2*220)	440	384	436	430	9.36	390	9.22	0.15
	RAPS- C (2*220)	440	220	240	241	5.05	211	5.28	-0.23
	Sub Total (B)	**1320**	**1024**	**1130**	**1122**	**24.38**	**1016**	**24.58**	**-0.19**
C. NHPC	Chamera I HPS (3*180)	540	360	367	0	1.57	65	1.40	0.17
	Chamera II HPS (3*100)	300	201	206	0	1.08	45	1.00	0.08
	Chamera III HPS (3*77)	231	160	153	0	0.52	22	0.50	0.02
	Bairasuil HPS(3*60)	180	120	121	0	0.50	21	0.48	0.02
	Salal-HPS (6*115)	690	82	230	34	2.29	95	1.96	0.33
	Tanakpur-HPS (3*31.4)	94	22	26	22	0.65	27	0.54	0.11
	Uri-I HPS (4*120)	480	65	235	20	1.71	71	1.56	0.15
	Uri-II HPS (4*60)	240	46	102	39	1.16	48	1.10	0.06
	Dhauliganga-HPS (4*70)	280	280	278	0	0.91	38	0.84	0.07
	Dulhasti-HPS (3*130)	390	257	244	0	2.13	89	2.00	0.13
	Sewa-II HPS (3*40)	120	79	0	0	0.20	8	0.21	-0.01
	Parbati 3 (4*130)	520	130	132	0	0.41	17	0.39	0.02
	Sub Total (C)	**4065**	**1802**	**2095**	**115**	**13**	**547**	**12**	**1.15**
D.SJVNL	NJPC (6*250)	1500	1615	1614	0	6.78	283	6.60	0.18
	Rampur HEP (6*68.67)	412	375	375	0	1.88	78	1.79	0.09
	Sub Total (D)	**1912**	**1990**	**1989**	**0**	**8.66**	**361**	**8.39**	**0.27**
E. THDC	Tehri HPS (4*250)	1000	1020	992	0	9.17	382	9.00	0.17
	Koteshwar HPS (4*100)	400	128	400	70	3.09	129	3.06	0.03
	Sub Total (E)	**1400**	**1148**	**1392**	**70**	**12.26**	**511**	**12.06**	**0.20**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	572	929	384	14.12	588	13.73	0.39
	Dehar HPS (6*165)	990	143	310	0	3.12	130	3.44	-0.32
	Pong HPS (6*66)	396	205	396	0	4.97	207	4.92	0.05
	Sub Total (F)	**2765**	**920**	**1635**	**384**	**22.21**	**926**	**22.09**	**0.13**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	60	0	0.41	17	0.39	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.48	145	3.56	-0.07
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	107	-2	1.27	53	2.74	-1.48
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.17	7	0.19	-0.02
	Sub Total (G)	**1662**	**0**	**797**	**-2**	**5.33**	**222**	**6.87**	**-1.54**
H. Total Regional Entities (A-G)		**25237**	**18510**	**17118**	**7148**	**240.81**	**10034**	**243.11**	**-2.30**

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	160	160	3.69	154
	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	201	204	4.62	193
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1120	660	24.05	1002
	Talwandi Saboo (3*660)	1980	616	616	16.59	691
	Thermal (Total)	**6560**	**2097**	**1640**	48.91	**2038**
	Total Hydro	1000	458	243	9.05	377
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.29	12
	Solar	560	0	0	0.02	1
	Renewable(Total)	**848**	**0**	**0**	**0.31**	**13**
	Total Punjab	**8408**	**2555**	**1883**	**58.27**	**2428**
Haryana	Panipat TPS (2*210+2*250)	920	427	405	9.98	416
	DCRTPP (Yamuna nagar) (2*300)	600	274	230	5.60	233
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	496	384	9.00	375
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	369	367	8.86	369
	Thermal (Total)	**4497**	**1566**	**1386**	**33.44**	**1393**
	Total Hydro	62	17	12	0.30	13
	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**	**1583**	**1398**	**33.74**	**1406**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1059	960	23.94	998
	suratgarh TPS (6*250)	1500	222	221	5.49	229
	Chabra TPS (4*250)	1000	863	804	20.79	866
	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	123	117	2.99	125
	RAPS A (NPC) (1*100+1*200)	300	169	170	4.23	176
	Barsingsar (NLC) (2*125)	250	225	227	5.25	219
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	706	442	14.40	600
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1130	832	23.58	982
	Kawai(Adani) (2*660)	1320	616	438	13.19	550
	Thermal (Total)	**8876**	**5113**	**4211**	**113.85**	**4744**
	Total Hydro	550	223	197	5.49	229
	Wind power	4017	123	214	5.20	217
	Biomass	99	13	13	0.31	13
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	136	227	5.51	229
	Total Rajasthan	**14837**	**5472**	**4635**	**124.85**	**5202**
UP	Anpara TPS (3*210+2*500)	1630	979	1073	25.10	1046
	Obra TPS (2*50+2*94+5*200)	1194	490	441	11.30	471
	Paricha TPS (2*110+2*220+2*250)	1160	653	646	17.00	708
	Panki TPS (2*105)	210	135	135	3.30	138
	Harduaganj TPS (1*60+1*105+2*250)	665	413	417	10.50	438
	Tanda TPS (NTPC) (4*110)	440	372	209	6.86	286
	Roza TPS (IPP) (4*300)	1200	743	738	20.40	850
	Anpara-C (IPP) (2*600)	1200	1071	630	22.70	946
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	261	252	6.50	271
	Anpara-D(2*500)	1000	441	296	9.00	375
	Lalitpur TPS(3*660)	1980	594	597	14.10	588
	Bara(2*660)	1320	575	737	18.10	754
	Thermal (Total)	**12449**	**6727**	**6171**	**164.86**	**6869**
	Vishnuparyag HPS (IPP)(4*110)	440	83	83	2.00	83
	Alaknanada(4*82.5)	330	77	0	1.20	50
	Other Hydro	527	62	86	2.40	100
	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**	**7799**	**7190**	**190.86**	**7953**
Uttarakhand	Other Hydro	1250	491	334	8.97	374
	Total Gas	225	282	290	6.79	283
	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	773	624	15.81	659
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	78	80	1.58	66
	Pragati Gas Turbine (2x104+ 1x122)	330	162	160	3.87	161
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.09	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**490**	**520**	**11.53**	**480**
	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**	**490**	**520**	**11.53**	**480**
HP	Baspa HPS (IPP) (3*100)	300	29	29	1.15	48
	Malana HPS (IPP) (2*43)	86	41	0	0.20	8
	Other Hydro	372	137	69	2.52	105
	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	54	39	1.07	45
	Renewable(Total)	**486**	**54**	**39**	**1.07**	**45**
	Total HP	**1244**	**261**	**137**	**4.93**	**206**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	143	122	3.03	126
	Other Hydro/IPP(including 98 MW Small Hydro)	308	80	18	0.95	40
	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**	**223**	**140**	**4**	**166**

Total State Control Area Generation	**50078**	**19156**	**16527**	**443.97**	**18499**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**6239**	**4869**	**184.10**	**7671**
Total Regional Availability(Gross)	**75315**	**42513**	**28544**	**868.87**	**36203**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8334**	**569**	**62.75**	**2615**
State Control Area Hydro	**7163**	**2177**	**1522**	**38.32**	**1882**
Total Regional Hydro	**19397**	**10510**	**2091**	**101.07**	**4496**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.02**	**1**
State Control Area Renewable	**7356**	**190**	**266**	**6.93**	**289**
Total Regional Renewable	**7386**	**190**	**266**	**6.95**	**290**

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)	-200	-500	0	500	0.00	9.92	-9.92
765 KV Gwalior-Agra (D/C)	2204	1507	2965	0	46.20	0.00	46.20
400 KV Zerda-Kankroli	77	-159	77	207	0.00	1.24	-1.24
400 KV Zerda-Bhinmal	150	-79	221	167	1.41	0.00	1.41
220 KV Auraiya-Malanpur	-60	-74	0	95	0.00	1.44	-1.44
220 KV Badod-Kota/Morak	-1	-60	50	40	0.00	1.28	-1.28
Mundra-Mohindergarh(HVDC Bipole)	2402	2202	2405	0.00	56.36	0.00	56.36
400 KV RAPPC-Sujalpur	-341	-193	-540	0	7.13	0.00	7.13
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1305	1037	1603	0	32.24	0.00	32.24
Sub Total WR	**5536**	**3681**			**143.34**	**13.88**	**129.46**
400 kV Sasaram - Varanasi	15	10	45	23	0.17	0.00	0.17
400 kV Sasaram - Allahabad	-88	-145	0	151	0.00	2.47	-2.47
400 KV MZP- GKP (D/C)	65	306	450	0	6.73	0.00	6.73
400 KV Patna-Balia(D/C) X 2	659	678	803	0	17.65	0.00	17.65
400 KV B'Sharif-Balia (D/C)	30	166	286	0	4.22	0.00	4.22
765 KV Gaya-Balia	115	192	323	0	5.72	0.00	5.72
765 KV Gaya-Varanasi (D/C)	-316	-325	818	0	12.81	0.00	12.81
220 KV Pusauli-Sahupuri	105	125	150	0	2.96	0.00	2.96
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.51	-0.51
132 KV Son Ngr-Rihand	-20	0	0	30	0.00	0.31	-0.31
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	115	112	303	0	4.33	0.00	4.33
400 KV Barh -GKP (D/C)	482	462	568	0	12.18	0.00	12.18
400 kV B'Sharif - Varanasi (D/C)	49	107	278	0	3.56	0.00	3.56
Sub Total ER	**1211**	**1688**			**70.32**	**3.29**	**67.02**
+/- 800 KV BiswanathCharialli-Agra	-508	-500	0	-508.00	0.00	12.39	-12.39
Sub Total NER	**-508**	**-500**			**0.00**	**12.39**	**-12.39**
Total IR Exch	**6239**	**4869**			**213.66**	**29.56**	**184.10**

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**
43.80	0.54	44.34	-2.12	-6.46	24.52	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**
66.74	124.15	190.90	54.64	129.46	184.10	-12.11	5.30	-6.80

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	-13	-13	0	-14	0	-1	0.73

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	8.22	48.76	64.40	18.58	8.45	0.43	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)	
50.22	5.02	49.79	18.10	50.00	0.054	0.073	50.14	49.86	35.60

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	421	0:05	399	12:25	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	4:02	400	10:15	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	422	4:01	396	9:31	0.0	0.0	2.8	0.0	2.8
Kanpur	400	416	4:01	398	10:15	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	1:56	402	10:08	0.0	0.0	24.0	0.0	24.0
Ballabhgarh	400	429	4:03	404	12:24	0.0	0.0	38.5	0.0	38.5
Bawana	400	424	1:53	400	12:24	0.0	0.0	21.2	0.0	21.2
Bassi	400	425	4:02	389	12:21	0.0	0.5	4.9	0.0	4.9
Hissar	400	420	1:47	396	12:24	0.0	0.0	0.0	0.0	0.0
Moga	400	416	19:58	400	12:26	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	426	1:52	406	12:24	0.0	0.0	24.6	0.0	24.6
Nalagarh	400	430	1:59	412	12:12	0.0	0.0	44.7	0.0	44.7
Kishenpur	400	419	1:51	395	12:24	0.0	0.0	0.0	0.0	0.0
Wagoora	400	391	1:54	367	10:45	64.7	99.0	0.0	0.0	64.7
Amritsar	400	432	0:05	406	9:47	0.0	0.0	33.5	0.0	33.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	0:00	403	12:24	0.0	0.0	43.0	0.0	43.0
Rishikesh	400	422	1:56	394	9:36	0.0	0.0	5.7	0.0	5.7

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	772	4:00	738	10:17	0.0	2.3	0.0	0.0	0.0
Balia	765	789	4:02	752	10:17	0.0	0.0	0.0	0.0	0.0
Moga	765	794	19:57	761	12:24	0.0	0.0	0.0	0.0	0.0

Agra	765	788	4:03	747	9:37	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	807	1:56	762	12:24	0.0	0.0	9.2	0.0	9.2
Unnao	765	776	4:00	733	10:17	0.0	15.6	0.0	0.0	0.0
Lucknow	765	802	4:01	762	10:16	0.0	0.0	2.4	0.0	2.4
Meerut	765	806	20:45	760	6:54	0.0	0.0	6.1	0.0	6.1
Jhatikara	765	803	4:02	762	12:24	0.0	0.0	2.0	0.0	2.0
Bareilly 765 kV	765	796	4:01	754	10:16	0.0	0.0	0.0	0.0	0.0
Anta	765	792	3:59	761	10:16	0.0	0.0	0.0	0.0	0.0
Phagi	765	802	4:02	752	12:27	0.0	0.0	2.9	0.0	2.9

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	487.92	671.08	500.62	1114.30	137.87	432.31
Pong	426.72	384.05	407.79	425.81	410.86	524.54	49.58	333.15
Tehri	829.79	740.04	807.75	758.40	801.65	640.00	38.91	216.00
Koteshwar	612.50	598.50	610.13	4.50	611.17	5.20	216.00	203.72
Chamera-I	760.00	748.75	759.69	0.00	0.00	0.00	42.13	42.13
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	504.63	2.24	497.88	2.09	43.99	85.86

*** 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	-543	1	0	-617	0	0	-18.43	0.25	-18.18
Delhi	-99	-316	0	-224	125	0	-3.36	1.13	-2.22
Haryana	-845	240	0	-509	282	0	-14.93	5.81	-9.11
HP	458	80	0	359	18	0	11.96	-1.17	10.79
J&K	611	243	0	606	238	0	14.47	5.59	20.06
CHD	0	0	0	0	0	0	0.00	0.20	0.20
Rajasthan	-71	348	0	-71	291	0	5.79	14.91	20.70
UP	55	0	0	-141	-100	0	-7.95	-1.40	-9.35
Uttarakhand	192	-83	0	0	5	0	2.65	-0.27	2.38
Total	**-240**	**515**	**0**	**-598**	**859**	**0**	**-9.79**	**25.06**	**15.27**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-533	-1262	243	-146	0	0
Delhi	-21	-237	570	-379	0	0
Haryana	-509	-845	306	-185	0	0
HP	697	335	80	-607	0	0
J&K	611	593	384	-138	0	0
CHD	0	0	44	-31	0	0
Rajasthan	807	-71	1270	284	0	0
UP	123	-829	0	-100	0	0
Uttarakhand	215	0	151	-236	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	**1.39%**
ER	**0.00%**
Simultaneous	**0.35%**

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

WR	**17.36%**
ER	**0.00%**
Simultaneous	**23.26%**

(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	3	19
Haryana	1	15
Rajasthan	1	14
Delhi	6	46
UP	0	9
Uttarakhand	4	34
HP	4	34
J & K	4	28
Chandigarh	3	34

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 02.01.2017 :

XVI. Synchronisation of new generating units :

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

0
0.00
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 : 02.01.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER