पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 08.02.2017

Date of Reporting : 09.02.2017

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
41789	747	42536	49.98	29214	440	29654	49.99	871.93	13.74

* 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	44.67	8.46	0.22	53.35	42.79	44.28	1.49	97.63	0.00
Haryana	29.59	0.34	0.00	29.93	79.68	85.67	5.99	115.59	0.24
Rajasthan	120.97	4.36	10.51	135.84	67.08	71.92	4.84	207.76	1.21
Delhi	11.85		0.00	11.85	50.42	50.63	0.22	62.48	0.03
UP	172.70	4.70	0.00	177.40	95.27	96.37	1.11	273.77	0.00
Uttarakhand		6.39	0.00	13.49	20.96	20.84	-0.12	34.33	0.00
HP		8.19	2.63	8.19	20.06	20.58	0.52	28.76	0.00
J & K		6.34	0.00	6.34	37.65	41.64	3.99	47.97	12.26
Chandigarh				0.00	3.57	3.63	0.06	3.63	0.00
Total	**379.77**	**38.78**	**13.36**	**436.37**	**417.48**	**435.56**	**18.09**	**871.93**	13.74

* 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	5269	0	-70	-534	2915	0	115	-788	5269	19:00	0
Haryana	6060	207	366	-168	3161	0	226	-369	6060	19:00	207
Rajasthan	9016	0	157	202	7675	0	379	284	9964	8:00	156
Delhi	2972	0	-172	-245	1460	0	57	-891	3627	11:00	0
UP	13148	0	308	-188	10247	0	-22	102	13152	20:00	0
Uttarakhand	1749	0	26	218	1164	0	-31	226	1896	8:00	0
HP	1224	0	-18	212	750	0	-33	487	1433	9:00	0
J&K	2164	541	247	696	1758	440	-35	517	2339	8:00	585
Chandigarh	187	0	-6	0	84	0	-1	0	217	9:00	0
Total	**41789**	**747**	**838**	**193**	**29214**	**440**	**654**	**-431**	**42115**	**20:00**	**952**

* 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	1690	1800	1740	39.47	1645	40.08	-0.61
	Rihand I STPS (2*500)	1000	484	505	375	10.70	446	10.69	0.01
	Rihand II STPS (2*500)	1000	960	856	823	21.58	899	21.44	0.14
	Rihand III STPS (2*500)	1000	965	894	723	21.32	888	21.36	-0.04
	Dadri I STPS (4*210)	840	815	327	283	7.38	308	7.79	-0.41
	Dadri II STPS (2*490)	980	980	396	333	9.25	385	9.99	-0.74
	Unchahar I TPS (2*210)	420	407	296	277	7.17	299	7.69	-0.52
	Unchahar II TPS (2*210)	420	405	302	274	6.81	284	7.12	-0.31
	Unchahar III TPS (1*210)	210	203	155	134	3.44	144	3.75	-0.31
	ISTPP (Jhajjhar) (3*500)	1500	1440	0	0	0.00	0	0.00	0.00
	Dadri GPS (4*130.19+2*154.51)	830	839	205	193	4.57	191	5.02	-0.45
	Anta GPS (3*88.71+1*153.2)	419	419	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	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	2	0	0	0.01	0	0.05	-0.04
	KHEP(4*200)	800	872	644	0	2.52	105	2.62	-0.09
	Sub Total (A)	**12112**	**11128**	**6380**	**5155**	**134**	**5596**	**138**	**-3.36**
B. NPC	NAPS (2*220)	440	412	448	455	10.06	419	9.89	0.17
	RAPS- B (2*220)	440	381	425	431	9.22	384	9.14	0.07
	RAPS- C (2*220)	440	405	441	453	9.68	403	9.72	-0.04
	Sub Total (B)	**1320**	**1198**	**1314**	**1339**	**28.96**	**1206**	**28.75**	**0.20**
C. NHPC	Chamera I HPS (3*180)	540	540	557	0	5.82	243	5.50	0.32
	Chamera II HPS (3*100)	300	301	306	0	1.48	62	1.35	0.13
	Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
	Bairasuil HPS(3*60)	180	120	125	0	1.93	81	1.89	0.04
	Salal-HPS (6*115)	690	228	380	282	6.28	261	5.47	0.80
	Tanakpur-HPS (3*31.4)	94	17	31	15	0.52	22	0.40	0.12
	Uri-I HPS (4*120)	480	349	354	360	8.70	362	8.39	0.31
	Uri-II HPS (4*60)	240	185	187	187	4.45	185	4.44	0.01
	Dhauliganga-HPS (4*70)	280	140	142	0	0.77	32	0.70	0.07
	Dulhasti-HPS (3*130)	390	387	410	0	2.72	113	2.50	0.22
	Sewa-II HPS (3*40)	120	119	126	122	2.88	120	2.87	0.02
	Parbati 3 (4*130)	520	130	131	0	0.41	17	0.39	0.02
	Sub Total (C)	**4065**	**2516**	**2749**	**967**	**36**	**1498**	**34**	**2.06**
D.SJVNL	NJPC (6*250)	1500	1615	1574	0	6.55	273	6.50	0.05
	Rampur HEP (6*68.67)	412	442	445	0	1.85	77	1.81	0.04
	Sub Total (D)	**1912**	**2057**	**2019**	**0**	**8.40**	**350**	**8.31**	**0.09**
E. THDC	Tehri HPS (4*250)	1000	904	887	0	7.17	299	7.00	0.17
	Koteshwar HPS (4*100)	400	108	300	64	2.65	110	2.60	0.05
	Sub Total (E)	**1400**	**1012**	**1187**	**64**	**9.82**	**409**	**9.60**	**0.22**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	539	849	393	13.39	558	12.94	0.45
	Dehar HPS (6*165)	990	140	495	0	3.47	145	3.36	0.12
	Pong HPS (6*66)	396	176	384	0	4.16	173	4.22	-0.06
	Sub Total (F)	**2765**	**855**	**1728**	**393**	**21.03**	**876**	**20.52**	**0.51**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.34	14	0.33	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	610	0	3.41	142	3.56	-0.14
	Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.17	0.02
	Shree Cement TPS (2*150)	300	0	297	171	6.06	253	6.13	-0.07
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.13	-0.13
	Sub Total (G)	**1662**	**0**	**907**	**171**	**10.01**	**417**	**10.32**	**-0.32**
H. Total Regional Entities (A-G)		**25237**	**18766**	**16284**	**8089**	**248.46**	**10353**	**249.05**	**-0.59**

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	-0.13	-5
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1220	660	26.22	1092
	Talwandi Saboo (3*660)	1980	684	616	18.73	781
	Thermal (Total)	**6560**	**1904**	**1276**	44.67	**1861**
	Total Hydro	1000	448	197	8.46	353
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.15	6
	Solar	560	0	0	0.07	3
	Renewable(Total)	**848**	**0**	**0**	**0.22**	**9**
	Total Punjab	**8408**	**2352**	**1473**	**53.35**	**2223**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	205	159	4.58	191
	RGTPP (khedar) (IPP) (2*600)	1200	585	369	12.38	516
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	600	375	12.63	526
	Thermal (Total)	**4497**	**1390**	**903**	**29.59**	**1233**
	Total Hydro	62	8	12	0.34	14
	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**	**1398**	**915**	**29.93**	**1247**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	407	402	10.79	450
	suratgarh TPS (6*250)	1500	193	183	5.08	212
	Chabra TPS (4*250)	1000	839	779	21.03	876
	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	161	158	4.22	176
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.36	182
	Barsingsar (NLC) (2*125)	250	225	193	5.13	214
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	834	490	18.46	769
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	950	835	24.48	1020
	Kawai(Adani) (2*660)	1320	1181	966	27.42	1142
	Thermal (Total)	**8876**	**4980**	**4196**	**120.97**	**5040**
	Total Hydro	550	210	128	4.36	182
	Wind power	4017	416	614	10.05	419
	Biomass	99	5	5	0.11	5
	Solar	1295	6	0	0.35	14
	Renewable/Others (Total)	5411	427	619	10.51	438
	Total Rajasthan	**14837**	**5617**	**4943**	**135.84**	**5660**
UP	Anpara TPS (3*210+2*500)	1630	936	945	22.00	917
	Obra TPS (2*50+2*94+5*200)	1194	649	564	15.30	638
	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	100	98	2.30	96
	Tanda TPS (NTPC) (4*110)	440	310	270	8.10	337
	Roza TPS (IPP) (4*300)	1200	566	554	15.20	633
	Anpara-C (IPP) (2*600)	1200	1071	642	22.90	954
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	599	603	14.30	596
	Lalitpur TPS(3*660)	1980	1253	1094	28.70	1196
	Bara(2*660)	1320	1062	722	23.50	979
	Thermal (Total)	**12449**	**6546**	**5492**	**152.30**	**6346**
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.60	67
	Alaknanada(4*82.5)	330	75	0	1.00	42
	Other Hydro	527	203	69	2.10	88
	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**	**7742**	**6474**	**177.40**	**7392**
Uttarakhand	Other Hydro	1250	413	165	6.39	266
	Total Gas	225	289	300	7.03	293
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.06	3
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.06	3
	Total Uttarakhand	1802	702	465	13.49	562
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	74	73	1.93	80
	Pragati Gas Turbine (2x104+ 1x122)	330	157	162	3.87	161
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**481**	**515**	**11.85**	**494**
	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**	**515**	**11.85**	**494**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.90	38
	Malana HPS (IPP) (2*43)	86	0	0	0.23	10
	Other Hydro	372	163	135	4.42	184
	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	117	105	2.63	110
	Renewable(Total)	**486**	**117**	**105**	**2.63**	**110**
	Total HP	**1244**	**280**	**240**	**8.19**	**341**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	143	143	3.43	143
	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**	**274**	**252**	**6**	**264**

Total State Control Area Generation	**50078**	**18846**	**15277**	**436.37**	**18182**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		**8062.88**	**6659**	**199.84**	**8326**
Total Regional Availability(Gross)	**75315**	**43193**	**30025**	**884.67**	**36861**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8937**	**1424**	**81.67**	**3403**
State Control Area Hydro	**7163**	**2268**	**1426**	**38.78**	**1911**
Total Regional Hydro	**19397**	**11206**	**2850**	**120.44**	**5314**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.08**	**3**
State Control Area Renewable	**7356**	**544**	**724**	**13.42**	**559**
Total Regional Renewable	**7386**	**544**	**724**	**13.51**	**563**

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	50	500	0.73	4.96	-4.22
765 KV Gwalior-Agra (D/C)	2648	2293	2961	0	62.68	0.00	62.68
400 KV Zerda-Kankroli	0	-112	55	165	0.00	1.33	-1.33
400 KV Zerda-Bhinmal	0	-30	180	107	0.52	0.00	0.52
220 KV Auraiya-Malanpur	-37	-19	0	69	0.00	0.62	-0.62
220 KV Badod-Kota/Morak	40	12	58	18	0.55	0.00	0.55
Mundra-Mohindergarh(HVDC Bipole)	2002	1700	2504	0.00	49.73	0.00	49.73
400 KV RAPPC-Sujalpur	405	220	405	0	7.27	0.00	7.27
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1195	1178	1484	0	31.65	0.00	31.65
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	**6303**	**4742**			**153.14**	**6.90**	**146.23**
400 kV Sasaram - Varanasi	194	197	215	0	6.92	0.00	6.92
400 kV Sasaram - Allahabad	47	45	67	0	1.12	0.00	1.12
400 KV MZP- GKP (D/C)	83	252	302	0	4.86	0.00	4.86
400 KV Patna-Balia(D/C) X 2	584	573	774	0	15.26	0.00	15.26
400 KV B'Sharif-Balia (D/C)	53	117	166	0	2.71	0.00	2.71
765 KV Gaya-Balia	268	251	309	0	6.41	0.00	6.41
765 KV Gaya-Varanasi (D/C)	450	414	639	0	12.12	0.00	12.12
220 KV Pusauli-Sahupuri	99	152	201	0	3.75	0.00	3.75
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-27	0	30	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-39	-72	123	129	0.00	0.40	-0.40
400 KV Barh -GKP (D/C)	540	466	562	0	12.04	0.00	12.04
400 kV B'Sharif - Varanasi (D/C)	7	49	131	11	1.55	0.00	1.55
Sub Total ER	**2260**	**2417**			**66.73**	**0.99**	**65.74**
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	12.14	-12.14
Sub Total NER	**-500**	**-500**			**0.00**	**12.14**	**-12.14**
Total IR Exch	**8063**	**6659**			**219.86**	**20.03**	**199.84**

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
44.94	0.31	45.25	-2.54	1.56	5.08	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
47.79	146.84	194.63	53.60	146.23	199.84	5.82	-0.61	5.21

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	17	0	1	-0.85

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	0.17	7.11	49.97	75.89	14.04	2.97	0.03	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)	
50.20	18.01	49.78	7.13	49.99	0.037	0.061	0.00	0.00	24.11

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	410	2:58	398	7:20	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	3:03	402	9:18	0.0	0.0	6.7	0.0	6.7
Bareilly(PG)400kV	400	421	3:00	388	12:00	0.0	0.0	0.3	0.0	0.3
Kanpur	400	418	0:44	398	9:17	0.0	0.0	0.0	0.0	0.0
Dadri	400	428	2:59	402	9:35	0.0	0.0	28.0	0.0	28.0
Ballabhgarh	400	424	0:21	398	7:16	0.0	0.0	19.2	0.0	19.2
Bawana	400	428	3:03	403	7:15	0.0	0.0	35.9	0.0	35.9
Bassi	400	425	21:00	389	7:24	0.0	0.1	16.3	0.0	16.3
Hissar	400	423	0:01	400	7:15	0.0	0.0	15.3	0.0	15.3
Moga	400	423	0:03	403	7:24	0.0	0.0	18.0	0.0	18.0
Abdullapur	400	429	0:00	409	7:13	0.0	0.0	56.3	0.0	56.3
Nalagarh	400	430	0:24	412	7:18	0.0	0.0	69.4	0.0	69.4
Kishenpur	400	423	11:48	392	7:43	0.0	0.0	0.7	0.0	0.7
Wagoora	400	421	12:08	170	12:05	31.4	77.1	0.0	0.0	31.5
Amritsar	400	425	2:00	402	9:18	0.0	0.0	31.5	0.0	31.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	2:26	401	9:32	0.0	0.0	15.9	0.0	15.9
Rishikesh	400	424	0:03	396	9:18	0.0	0.0	22.0	0.0	22.0

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	778	23:58	740	6:52	0.0	1.4	0.0	0.0	0.0
Balia	765	789	1:04	756	9:17	0.0	0.0	0.0	0.0	0.0

Moga	765	802	13:01	762	7:22	0.0	0.0	4.1	0.0	4.1
Agra	765	794	17:30	745	7:22	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	0:11	764	7:20	0.0	0.0	38.5	0.0	38.5
Unnao	765	775	2:59	737	9:13	0.0	5.8	0.0	0.0	0.0
Lucknow	765	796	2:59	756	9:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	17:30	753	7:22	0.0	0.0	18.2	0.0	18.2
Jhatikara	765	807	0:22	760	7:22	0.0	0.0	23.2	0.0	23.2
Bareilly 765 kV	765	801	2:59	757	9:17	0.0	0.0	0.3	0.0	0.3
Anta	765	786	17:02	753	7:21	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	16:02	747	7:35	0.0	0.0	0.0	0.0	0.0

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	480.43	468.02	493.54	848.04	175.71	416.63
Pong	426.72	384.05	403.93	312.39	403.54	304.55	77.36	293.28
Tehri	829.79	740.04	791.60	477.08	784.00	371.99	37.69	184.00
Koteshwar	612.50	598.50	610.82	4.98	610.93	4.95	184.00	174.48
Chamera-I	760.00	748.75	759.02	0.00	0.00	0.00	115.04	157.26
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	504.14	1.72	495.51	0.70	102.88	65.05

*** 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	-178	-610	0	-178	-356	0	-8.43	-7.91	-16.34
Delhi	-184	-707	0	-304	59	0	-6.03	-1.19	-7.23
Haryana	-730	361	0	-420	252	0	-12.57	7.20	-5.38
HP	412	75	0	334	-122	0	11.83	-2.11	9.73
J&K	517	0	0	514	182	0	12.22	2.93	15.15
CHD	0	0	0	0	0	0	0.00	-0.10	-0.10
Rajasthan	35	250	0	7	195	0	8.13	4.47	12.59
UP	102	0	0	-88	-100	0	-7.11	-1.80	-8.90
Uttarakhand	120	106	0	0	218	0	2.19	6.86	9.05
Total	**94**	**-525**	**0**	**-134**	**327**	**0**	**0.23**	**8.35**	**8.58**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-178	-767	0	-865	0	0
Delhi	-179	-352	559	-707	0	0
Haryana	-224	-730	363	-26	0	0
HP	804	130	75	-592	0	0
J&K	517	499	359	-71	0	0
CHD	0	0	29	-56	0	0
Rajasthan	922	7	250	-140	0	0
UP	154	-789	0	-100	0	0
Uttarakhand	152	0	675	88	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	**22.57%**
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	25
Haryana	3	17
Rajasthan	1	20
Delhi	2	15
UP	7	96
Uttarakhand	4	46
HP	2	20
J & K	1	22
Chandigarh	5	49

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 08.02.2017 :

XVI. Synchronisation of new generating units :

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

1. 400kV Allahabad -Meja 2 first time charged at 20.30Hrs on 08-02-2017

0.00

0

0

0.00

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 : 08.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER