पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
उत्तर क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 13.02.2018
Date of Reporting : 14.02.2018

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
40150	521	40671	49.96	26926	211	27138	49.99	846.58	9.53

* 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	Gas/Naptha/ Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	53.19	7.07	0.00	2.61	0.00	2.34	65.21	31.14	31.09	-0.05	96.30	0.00
Haryana	40.01	0.08	0.00	0.12	0.00	0.85	41.06	74.19	75.16	0.97	116.22	0.02
Rajasthan	108.77	4.35	4.18	3.03	8.19	4.87	133.40	72.87	72.77	-0.10	206.17	0.00
Delhi	0.00	0.00	14.41	0.00	0.00	0.00	14.41	50.50	49.29	-1.20	63.71	0.00
UP	141.20	6.40	0.00	1.94	0.00	21.60	171.14	86.87	86.55	-0.33	257.68	0.00
Uttarakhand	0.00	7.18	0.00	0.78	0.00	0.00	7.96	28.57	28.65	0.08	36.61	0.00
HP	0.00	2.81	0.00	0.00	0.00	1.04	3.85	23.25	23.00	-0.25	26.85	0.07
J & K	0.00	3.80	0.00	0.00	0.00	0.00	3.80	38.73	35.91	-2.82	39.71	9.45
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.29	3.34	0.05	3.34	0.00
Total	**343.17**	**31.69**	**18.59**	**8.48**	**8.19**	**30.70**	**440.82**	**409.42**	**405.76**	**-3.66**	**846.58**	9.53

* 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	4824	0	19	-1170	2563	0	-76	-1018	4824	19	0
Haryana	5926	0	-81	-639	3702	0	90	-429	6156	20	0
Rajasthan	8500	0	7	-44	7713	0	-27	67	10714	9	0
Delhi	2973	0	-272	-682	1518	0	62	-1249	3780	11	0
UP	12474	0	76	62	8247	0	-191	14	13827	20	290
Uttarakhand	1929	0	15	675	1146	0	7	478	1970	9	0
HP	1275	0	-26	513	801	8	-47	610	1429	11	0
J&K	2083	521	25	1005	1153	203	-262	868	2191	20	548
Chandigarh	166	0	-33	-36	84	0	11	-36	211	9	0
Total	**40150**	**521**	**-270**	**-316**	**26926**	**211**	**-433**	**-695**	**42104**	**20**	**838**

* 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	1657	1812	1801	39.33	1639	38.63	0.69
	Rihand I STPS (2*500)	1000	850	906	736	19.19	799	19.12	0.07
	Rihand II STPS (2*500)	1000	943	985	690	20.88	870	20.36	0.52
	Rihand III STPS (2*500)	1000	943	1018	808	21.38	891	20.27	1.10
	Dadri I STPS (4*210)	840	769	510	469	12.04	502	12.12	-0.08
	Dadri II STPS (2*490)	980	464	278	304	8.19	341	7.71	0.48
	Unchahar I TPS (2*210)	420	382	248	237	6.11	255	6.15	-0.03
	Unchahar II TPS (2*210)	420	382	281	265	6.50	271	5.94	0.56
	Unchahar III TPS (1*210)	210	191	139	115	3.00	125	3.06	-0.06
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1280	1322	864	24.29	1012	24.48	-0.19
	Dadri GPS (4*130.19+2*154.51)	830	838	116	113	2.87	119	2.90	-0.04
	Anta GPS (3*88.71+1*153.2)	419	421	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	655	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.00	0	0.02	-0.02
	Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar(15)	15	1	0	0	0.02	1	0.02	0.00
	KHEP(4*200)	800	792	865	0	2.48	103	2.38	0.10
	Sub Total (A)	**12612**	**10569**	**8480**	**6402**	**166**	**6929**	**163**	**3.11**
B. NPC	NAPS (2*220)	440	415	438	451	9.88	412	9.92	-0.04
	RAPS- B (2*220)	440	396	438	440	9.49	395	9.39	0.10
	RAPS- C (2*220)	440	200	236	237	4.95	206	4.80	0.15
	Sub Total (B)	**1320**	**1011**	**1112**	**1128**	**24.32**	**1013**	**24.11**	**0.21**
C. NHPC	Chamera I HPS (3*180)	540	534	542	0	1.77	74	1.60	0.17
	Chamera II HPS (3*100)	300	296	301	0	0.91	38	0.90	0.01
	Chamera III HPS (3*77)	231	152	160	0	0.64	27	0.53	0.11
	Bairasuil HPS(3*60)	180	59	122	0	0.52	22	0.41	0.11
	Salal-HPS (6*115)	690	93	340	35	2.86	119	2.24	0.62
	Tanakpur-HPS (3*31.4)	94	17	32	16	0.47	20	0.41	0.06
	Uri-I HPS (4*120)	480	71	240	40	1.92	80	1.71	0.21
	Uri-II HPS (4*60)	240	49	37	37	1.23	51	1.17	0.06
	Dhauliganga-HPS (4*70)	280	277	280	0	0.74	31	0.84	-0.10
	Dulhasti-HPS (3*130)	390	385	408	21	2.49	104	2.20	0.29
	Sewa-II HPS (3*40)	120	119	125	0	0.35	15	0.36	0.00
	Parbati 3 (4*130)	520	16	130	0	0.40	17	0.39	0.02
	Sub Total (C)	**4065**	**2068**	**2716**	**149**	**14**	**596**	**13**	**1.55**
D.SJVNL	NJPC (6*250)	1500	1497	1250	0	5.82	243	5.80	0.02
	Rampur HEP (6*68.67)	412	412	356	0	1.65	69	1.61	0.04
	Sub Total (D)	**1912**	**1910**	**1606**	**0**	**7.47**	**311**	**7.41**	**0.06**
E. THDC	Tehri HPS (4*250)	1000	868	868	0	7.39	308	7.34	0.05
	Koteshwar HPS (4*100)	400	120	90	92	2.91	121	2.88	0.03
	Sub Total (E)	**1400**	**988**	**958**	**92**	**10.30**	**429**	**10.22**	**0.08**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	586	1246	388	14.30	596	14.05	0.24
	Dehar HPS (6*165)	990	108	495	0	2.80	117	2.60	0.20
	Pong HPS (6*66)	396	195	320	0	4.71	196	4.68	0.03
	Sub Total (F)	**2765**	**889**	**2061**	**388**	**21.81**	**909**	**21.33**	**0.48**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	0	0	0.31	13	0.30	0.01
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	775	0	3.08	128	3.08	0.00
	Malana Stg-II HPS (2*50)	100	0	0	0	0.16	7	0.15	0.01
	Shree Cement TPS (2*150)	300	0	147	103	2.96	123	3.02	-0.06
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.13	5	0.14	-0.01
	Sainj HPS (IPP) (2*50)	100	0					0.16	
	Sub Total (G)	**1762**	**0**	**922**	**103**	**6.64**	**277**	**6.69**	**-0.05**
H. Total Regional Entities (A-G)		**25837**	**17435**	**17855**	**8262**	**251.13**	**10464**	**245.70**	**5.42**

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	3.29	137
	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	170	170	3.61	151
	Goindwal(GVK) (2*270)	540	145	145	3.57	149
	Rajpura (2*700)	1400	1320	660	25.50	1063
	Talwandi Saboo (3*660)	1980	716	616	17.23	718
	Thermal (Total)	**6560**	**2511**	**1751**	53.19	**2216**
	Total Hydro	1000	398	141	7.07	295
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	2.34	98
	Solar	859	0	0	2.61	109
	Renewable(Total)	**1162**	**0**	**0**	**4.95**	**206**
	Total Punjab	**8722**	**2909**	**1892**	**65.21**	**2717**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	259	233	5.77	240
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	390	384	10.46	436
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1125	738	23.78	991
	Thermal (Total)	**4497**	**1774**	**1355**	**40.01**	**1667**
	Total Hydro	62	3	3	0.08	3
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.85	36
	Solar	50	0	0	0.12	5
	Renewable(Total)	**156**	**0**	**0**	**0.97**	**41**
	Total Haryana	**4715**	**1777**	**1358**	**41.06**	**1711**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	828	828	20.18	841
	suratgarh TPS (6*250)	1500	728	742	17.96	748
	Chabra TPS (4*250)	1000	1102	1019	25.79	1075
	Chabra TPS (1*660)	660	0	0	0.00	0
	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	175	177	4.18	174
	RAPS A (NPC) (1*100+1*200)	300	191	192	4.42	184
	Barsingsar (NLC) (2*125)	250	212	212	4.90	204
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	825	493	17.68	737
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	808	815	22.26	928
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**9536**	**4869**	**4478**	**117.37**	**4890**
	Total Hydro	550	128	171	4.35	181
	Wind power	4292	113	319	8.19	341
	Biomass	102	19	19	0.46	19
	Solar	1995	6	0	3.03	126
	Renewable/Others (Total)	6389	138	338	11.67	486
	Total Rajasthan	**16475**	**5135**	**4987**	**133.40**	**5558**
UP	Anpara TPS (3*210+2*500)	1630	1323	1034	30.72	1280
	Obra TPS (2*50+2*94+5*200)	1194	433	383	9.49	396
	Paricha TPS (2*110+2*220+2*250)	1160	602	507	14.84	618
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	314	248	8.02	334
	Tanda TPS (NTPC) (4*110)	440	279	250	7.27	303
	Roza TPS (IPP) (4*300)	1200	578	450	13.87	578
	Anpara-C (IPP) (2*600)	1200	842	620	18.07	753
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	224	174	5.33	222
	Anpara-D(2*500)	1000	455	320	9.70	404
	Lalitpur TPS(3*660)	1980	385	355	10.59	441
	Bara(3*660)	1980	800	368	13.31	555
	Thermal (Total)	**13109**	**6235**	**4709**	**141.20**	**5883**
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.61	67
	Alaknanada(4*82.5)	330	84	0	0.66	27
	Other Hydro	527	150	104	4.13	172
	Cogeneration	981	900	900	21.60	900
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
	Solar	102	0	0	1.94	81
	Renewable(Total)	**128**	**0**	**0**	**1.94**	**81**
	Total UP	**15515**	**7437**	**5776**	**171.14**	**7131**
Uttarakhand	Other Hydro	1250	533	160	7.18	299
	Total Gas	450	0	0	0.00	0
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.78	32
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.78	32
	Total Uttarakhand	**2107**	**533**	**160**	**7.96**	**332**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	75	75	1.93	80
	Pragati Gas Turbine (2x104+ 1x122)	330	264	271	6.48	270
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	249	250	6.00	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**588**	**596**	**14.41**	**601**
	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**	**588**	**596**	**14.41**	**601**

HP	Baspa HPS (IPP) (3*100)	300	0	0	0.98	41
	Malana HPS (IPP) (2*43)	86	0	0	0.15	6
	Other Hydro (>25MW)	372	99	24	1.68	70
	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	84	17	1.04	43
	Renewable(Total)	**486**	**84**	**17**	**1.04**	**43**
	Total HP	**1244**	**183**	**42**	**3.85**	**160**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	122	122	2.93	122
	Other Hydro/IPP(including 98 MW Small Hydro)	308	78	18	0.87	36
	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**	**200**	**140**	**4**	**158**
Total State Control Area Generation		**53111**	**18762**	**14950**	**440.82**	**18368**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**4962**	**4285**	**177.92**	**7413**
Total Regional Availability(Gross)		**78948**	**41579**	**27498**	**869.87**	**36245**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8981**	**629**	**60.03**	**2496**
State Control Area Hydro	**7468**	**1747**	**824**	**31.69**	**1396**
Total Regional Hydro	**19702**	**10728**	**1453**	**91.73**	**3892**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.05**	**2**
State Control Area Renewable	**8844**	**222**	**355**	**21.35**	**890**
Total Regional Renewable	**8874**	**222**	**355**	**21.40**	**892**

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)	-250	-250	50	250	0.13	4.91	-4.78
765 KV Gwalior-Agra (D/C)	-1923	-1807	2820	0	55.83	0.00	55.83
400 KV Zerda-Kankroli	-147	-192	80	196	0.00	2.43	-2.43
400 KV Zerda-Bhinmal	-96	-92	249	142	0.00	0.16	-0.16
220 KV Auraiya-Malanpur	-138	-65	0	138	0.00	1.99	-1.99
220 KV Badod-Kota/Morak	-39	-61	71	63	0.02	0.00	0.02
Mundra-Mohindergarh(HVDC Bipole)	798	601	1106	0	18.42	0.00	18.42
400 KV RAPPC-Sujalpur	280	222	547	0	7.21	0.00	7.21
400 KV Vindhyachal-Rihand	973	763	0	975	0.00	21.59	-21.59
765 kV Phagi-Gwalior (D/C)	1042	1127	1809	0	31.75	0.00	31.75
+/- 800 kV HVDC Champa-Kurushetra	2500	2000	2500	0	53.08	0	53.08
Sub Total WR	**3000**	**2246**			**166.43**	**31.08**	**135.35**
400 kV Sasaram - Varanasi	247	242	263	0	5.93	0.00	5.93
400 kV Sasaram - Allahabad	-133	-144	170	0	3.41	0.00	3.41
400 KV MZP- GKP (D/C)	187	120	484	0	5.21	0.00	5.21
400 KV Patna-Balia(D/C) X 2	628	586	892	0	16.26	0.00	16.26
400 KV B'Sharif-Balia (D/C)	131	84	277	0	3.86	0.00	3.86
765 KV Gaya-Balia	157	65	298	0	4.91	0.00	4.91
765 KV Gaya-Varanasi (D/C)	233	167	660	0	8.01	0.00	8.01
220 KV Pusauli-Sahupuri	139	114	141	0	2.93	0.00	2.93
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-24	-2	0	-24	0.00	-0.23	0.23
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-111	-97	153	190	0.00	0.93	-0.93
400 KV Motihari -GKP (D/C)	212	224	388	0	5.86	0.00	5.86
400 kV B'Sharif - Varanasi (D/C)	-4	-20	-220	75	-1.17	0.00	-1.17
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1662**	**1339**			**56.15**	**0.70**	**55.45**
+/- 800 KV HVDC BiswanathCharialli-Agra	300	700	0	700.00	0.00	12.88	-12.88
Sub Total NER	**300**	**700**			**0.00**	**12.88**	**-12.88**
Total IR Exch	**4962**	**4285**			**222.58**	**44.65**	**177.92**

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
48.02	0.13	48.15	-9.89	-18.78	12.17	9.21	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
50.42	142.31	192.74	42.57	135.35	177.92	-7.86	-6.96	-14.81

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	-28	-26	0	-41	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	0.05	6.77	58.23	82.09	9.64	1.53	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)	
50.20	6.01	49.80	10.09	49.99	0.032	0.055	50.09	49.89	17.91

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	405	16:22	398	8:07	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	1:59	395	19:39	0.0	0.0	0.8	0.0	0.8
Bareilly(PG)400kV	400	423	1:37	399	8:27	0.0	0.0	16.1	0.0	16.1
Kanpur	400	422	3:57	404	8:14	0.0	0.0	3.3	0.0	3.3
Dadri	400	430	3:59	410	9:13	0.0	0.0	37.8	0.0	37.8
Ballabhgarh	400	429	4:02	404	9:15	0.0	0.0	25.5	0.0	25.5
Bawana	400	430	1:31	409	9:50	0.0	0.0	35.1	0.0	35.1
Bassi	400	427	4:00	395	8:25	0.0	0.0	8.5	0.0	8.5
Hissar	400	421	4:00	399	6:57	0.0	0.0	0.3	0.0	0.3
Moga	400	422	0:58	403	6:49	0.0	0.0	3.4	0.0	3.4
Abdullapur	400	430	1:01	410	18:31	0.0	0.0	33.6	0.0	33.6
Nalagarh	400	431	0:59	413	6:53	0.0	0.0	42.4	0.3	42.4
Kishenpur	400	422	0:59	402	12:12	0.0	0.0	13.4	0.0	13.4
Wagoora	400	405	4:00	381	12:08	0.0	51.0	0.0	0.0	0.0
Amritsar	400	429	0:59	409	6:56	0.0	0.0	34.9	0.0	34.9
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	426	0:58	401	7:12	0.0	0.0	10.5	0.0	10.5
Rishikesh	400	420	2:01	390	9:21	0.0	0.0	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	788	13:01	739	8:14	0.0	0.6	0.0	0.0	0.0
Balia	765	792	2:03	761	8:25	0.0	0.0	0.0	0.0	0.0
Moga	765	800	20:05	759	6:53	0.0	0.0	0.0	0.0	0.0
Agra	765	801	13:02	760	8:14	0.0	0.0	0.2	0.0	0.2
Bhiwani	765	808	3:58	774	6:56	0.0	0.0	24.0	0.0	24.0
Unnao	765	783	4:00	745	8:25	0.0	0.0	0.0	0.0	0.0
Lucknow	765	800	1:37	761	8:25	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	3:59	775	6:54	0.0	0.0	30.9	0.0	30.9
Jhatikara	765	812	4:01	772	8:23	0.0	0.0	60.5	0.0	60.5
Bareilly 765 kV	765	805	2:01	761	8:25	0.0	0.0	16.4	0.0	16.4
Anta	765	796	4:01	767	8:24	0.0	0.0	0.0	0.0	0.0
Phagi	765	808	4:01	757	8:24	0.0	0.0	5.1	0.0	5.1

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	488.69	690.35	479.03	441.00	208.98	434.86
Pong	426.72	384.05	403.75	312.39	403.16	296.79	82.35	329.86
Tehri	829.79	740.04	789.70	448.97	789.50	446.21	39.17	193.00
Koteshwar	612.50	598.50	610.35	4.95	610.57	4.95	193.00	192.52
Chamera-I	760.00	748.75	755.17	0.00	0.00	0.00	46.86	47.74
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	496.07	0.61	504.43	1.63	46.07	33.77

*** 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	-1018	0	0	-1170	0	0	-26.05	-1.10	-27.15
Delhi	-747	-503	0	-621	-61	0	-17.89	-0.51	-18.40
Haryana	-590	162	0	-748	109	0	-18.60	2.11	-16.49
HP	481	130	0	484	29	0	14.93	-0.58	14.36
J&K	696	172	0	696	309	0	16.29	5.33	21.63
CHD	-36	0	0	-36	0	0	-0.43	-0.06	-0.48
Rajasthan	-91	158	0	-91	47	0	-0.62	9.52	8.90
UP	14	0	0	62	0	0	-3.35	0.00	-3.35
Uttarakhand	340	138	0	340	336	0	8.27	7.17	15.44
Total	**-951**	**256**	**0**	**-1084**	**768**	**0**	**-27.45**	**21.89**	**-5.55**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1018	-1170	0	-407	0	0
Delhi	-620	-831	607	-510	0	0
Haryana	-590	-998	163	13	0	0
HP	862	353	130	-703	0	0
J&K	696	662	447	-320	0	0
CHD	0	-36	0	-36	0	0
Rajasthan	65	-91	1771	-157	0	0
UP	70	-420	0	0	0	0
Uttarakhand	397	340	571	51	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	**0.00%**

(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	0	12
Haryana	1	14
Rajasthan	3	31
Delhi	4	40
UP	1	15
Uttarakhand	3	35
HP	3	21
J & K	3	34
Chandigarh	5	38

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 13.02.2018 :

XVI. Synchronisation of new generating units :

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 : 13.02.2018 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**