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

Power Supply Position in Northern Region for 24.01.2018
Date of Reporting : 25.01.2018

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
42819	825	43644	49.98	27932	300	28232	50.02	870.48	15.77

* 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	68.37	10.06	0.00	2.61	0.00	2.34	83.38	17.87	17.25	-0.62	100.63	0.00
Haryana	48.43	0.10	0.00	0.01	0.00	0.11	48.65	61.94	62.91	0.97	111.55	0.19
Rajasthan	116.00	4.60	4.37	1.33	3.10	5.01	134.41	70.85	76.91	6.06	211.32	4.65
Delhi	0.01	0.00	18.30	0.00	0.00	0.00	18.31	50.38	50.34	-0.05	68.65	0.00
UP	144.52	5.83	0.00	0.00	0.00	21.60	171.96	94.77	95.61	0.84	267.57	0.48
Uttarakhand	0.00	9.71	0.00	0.63	0.00	0.00	10.34	25.69	25.36	-0.32	35.71	0.00
HP	0.00	2.96	0.00	0.00	0.00	1.31	4.27	22.91	23.33	0.41	27.59	0.10
J & K	0.00	3.85	0.00	0.00	0.00	0.00	3.85	41.27	39.95	-1.32	43.80	10.35
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.66	0.13	3.66	0.00
Total	**377.34**	**37.11**	**22.67**	**4.58**	**3.10**	**30.37**	**475.16**	**389.22**	**395.32**	**6.10**	**870.48**	15.77

* 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	5116	0	99	-2048	2737	0	0	-1587	5116	19	0
Haryana	6212	120	77	-804	3494	0	-146	-308	6212	19	120
Rajasthan	9506	177	205	-64	7949	0	487	65	10414	8	828
Delhi	3338	0	-132	-1080	1543	0	20	-1440	4043	11	0
UP	12949	0	-348	6	8681	0	-325	-23	13601	18	0
Uttarakhand	2011	0	128	943	1061	0	-17	444	2011	19	0
HP	1382	0	66	471	803	21	-45	518	1478	10	0
J&K	2110	528	60	991	1579	279	-58	825	2110	19	528
Chandigarh	195	0	2	-11	85	0	-3	-31	229	9	0
Total	**42819**	**825**	**157**	**-1597**	**27932**	**300**	**-87**	**-1538**	**42819**	**19**	**825**

* 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	1700	1852	1158	38.48	1603	37.85	0.63
	Rihand I STPS (2*500)	1000	890	950	841	20.62	859	20.70	-0.08
	Rihand II STPS (2*500)	1000	943	1013	658	22.01	917	21.56	0.45
	Rihand III STPS (2*500)	1000	943	1015	805	22.08	920	21.11	0.97
	Dadri I STPS (4*210)	840	769	524	492	13.14	548	13.39	-0.25
	Dadri II STPS (2*490)	980	929	638	584	18.68	779	18.14	0.55
	Unchahar I TPS (2*210)	420	350	378	236	6.58	274	6.63	-0.05
	Unchahar II TPS (2*210)	420	383	410	229	7.28	303	7.55	-0.27
	Unchahar III TPS (1*210)	210	192	187	115	3.26	136	3.65	-0.39
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	948	971	568	18.29	762	18.81	-0.52
	Dadri GPS (4*130.19+2*154.51)	830	838	0	0	0.00	0	0.00	0.00
	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	652	164	93	3.15	131	3.18	-0.03
	Dadri Solar(5)	5	1	0	0	0.02	1	0.01	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	-0.01
	Singrauli Solar(15)	15	3	0	0	0.06	3	0.07	-0.01
	KHEP(4*200)	800	792	864	143	2.66	111	2.38	0.28
	Sub Total (A)	**12612**	**10752**	**8966**	**5922**	**176**	**7348**	**175**	**1.28**
B. NPC	NAPS (2*220)	440	417	449	458	10.06	419	9.97	0.09
	RAPS- B (2*220)	440	194	219	219	4.67	194	4.56	0.11
	RAPS- C (2*220)	440	418	464	466	10.07	420	10.04	0.03
	Sub Total (B)	**1320**	**1029**	**1132**	**1143**	**24.80**	**1033**	**24.57**	**0.23**
C. NHPC	Chamera I HPS (3*180)	540	534	428	0	1.82	76	1.60	0.22
	Chamera II HPS (3*100)	300	296	301	0	1.10	46	1.00	0.10
	Chamera III HPS (3*77)	231	152	153	0	0.76	31	0.62	0.14
	Bairasuil HPS(3*60)	180	59	109	0	0.38	16	0.36	0.02
	Salal-HPS (6*115)	690	70	311	29	2.05	85	1.68	0.37
	Tanakpur-HPS (3*31.4)	94	21	32	21	0.55	23	0.50	0.04
	Uri-I HPS (4*120)	480	65	230	20	1.86	78	1.56	0.30
	Uri-II HPS (4*60)	240	46	37	37	1.16	48	1.10	0.05
	Dhauliganga-HPS (4*70)	280	52	279	0	0.88	37	0.84	0.04
	Dulhasti-HPS (3*130)	390	257	265	0	2.78	116	2.60	0.18
	Sewa-II HPS (3*40)	120	119	120	0	0.28	12	0.36	-0.07
	Parbati 3 (4*130)	520	12	128	0	0.31	13	0.29	0.02
	Sub Total (C)	**4065**	**1682**	**2393**	**107**	**14**	**580**	**13**	**1.40**
D.SJVNL	NJPC (6*250)	1500	1497	1472	0	6.23	260	6.00	0.23
	Rampur HEP (6*68.67)	412	412	435	0	1.75	73	1.66	0.09
	Sub Total (D)	**1912**	**1910**	**1907**	**0**	**7.99**	**333**	**7.66**	**0.32**
E. THDC	Tehri HPS (4*250)	1000	940	929	0	7.76	323	7.70	0.06
	Koteshwar HPS (4*100)	400	120	303	91	2.94	123	2.88	0.06
	Sub Total (E)	**1400**	**1060**	**1232**	**91**	**10.70**	**446**	**10.58**	**0.12**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	577	1114	409	13.89	579	13.84	0.05
	Dehar HPS (6*165)	990	122	495	0	3.11	130	2.92	0.19
	Pong HPS (6*66)	396	177	330	0	4.29	179	4.24	0.05
	Sub Total (F)	**2765**	**875**	**1939**	**409**	**21.30**	**887**	**21.00**	**0.29**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	0	0	0.33	14	0.31	0.01
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	775	0	3.21	134	3.08	0.12
	Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01
	Shree Cement TPS (2*150)	300	0	147	100	3.14	131	3.21	-0.07
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
	Sainj HPS (IPP) (2*50)	100	0					0.20	
	Sub Total (G)	**1762**	**0**	**922**	**100**	**7.00**	**292**	**6.92**	**0.09**
H. Total Regional Entities (A-G)		**25837**	**17309**	**18491**	**7773**	**262.04**	**10918**	**258.31**	**3.73**

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	210	160	3.73	155
	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	250	192	4.52	188
	Goindwal(GVK) (2*270)	540	215	0	2.96	123
	Rajpura (2*700)	1400	1320	660	27.66	1152
	Talwandi Saboo (3*660)	1980	1500	924	29.50	1229
	Thermal (Total)	**6560**	**3495**	**1936**	68.37	**2849**
	Total Hydro	1000	419	184	10.06	419
	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**	**3914**	**2120**	**83.38**	**3474**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	569	457	12.06	502
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	577	388	11.19	466
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1236	742	25.18	1049
	Thermal (Total)	**4497**	**2382**	**1587**	**48.43**	**2018**
	Total Hydro	62	3	5	0.10	4
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.11	5
	Solar	50	0	0	0.01	0
	Renewable(Total)	**156**	**0**	**0**	**0.12**	**5**
	Total Haryana	**4715**	**2385**	**1592**	**48.65**	**2027**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1148	907	25.96	1082
	suratgarh TPS (6*250)	1500	1110	900	25.20	1050
	Chabra TPS (4*250)	1000	683	688	16.25	677
	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	186	188	4.37	182
	RAPS A (NPC) (1*100+1*200)	300	193	194	4.44	185
	Barsingsar (NLC) (2*125)	250	219	219	5.09	212
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	832	704	18.19	758
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1142	815	25.32	1055
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**9536**	**5513**	**4615**	**124.82**	**5201**
	Total Hydro	550	168	228	4.60	191
	Wind power	4292	91	101	3.10	129
	Biomass	102	24	24	0.57	24
	Solar	1995	0	0	1.33	55
	Renewable/Others (Total)	6389	115	125	5.00	208
	Total Rajasthan	**16475**	**5796**	**4968**	**134.41**	**5600**
UP	Anpara TPS (3*210+2*500)	1630	1350	1035	32.21	1342
	Obra TPS (2*50+2*94+5*200)	1194	505	393	10.18	424
	Paricha TPS (2*110+2*220+2*250)	1160	807	582	16.50	687
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	443	317	8.27	345
	Tanda TPS (NTPC) (4*110)	440	389	272	7.88	328
	Roza TPS (IPP) (4*300)	1200	810	746	18.19	758
	Anpara-C (IPP) (2*600)	1200	1110	652	24.44	1018
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	454	324	9.94	414
	Lalitpur TPS(3*660)	1980	324	326	7.84	327
	Bara(2*660)	1320	546	382	9.07	378
	Thermal (Total)	**12449**	**6738**	**5029**	**144.52**	**6022**
	Vishnuparyag HPS (IPP)(4*110)	440	73	78	1.79	75
	Alaknanada(4*82.5)	330	83	0	1.26	53
	Other Hydro	527	67	30	2.78	116
	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	0.00	0
	Renewable(Total)	**128**	**0**	**0**	**0.00**	**0**
	Total UP	**14855**	**7861**	**6037**	**171.96**	**7165**
Uttarakhand	Other Hydro	1250	574	341	9.71	405
	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	0.63	26
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.63	26
	Total Uttarakhand	**2107**	**574**	**341**	**10.34**	**431**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	39	0.91	38
	Pragati Gas Turbine (2x104+ 1x122)	330	275	265	6.52	272
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	450	450	10.87	453
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**763**	**754**	**18.31**	**763**
	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**	**763**	**754**	**18.31**	**763**

HP	Baspa HPS (IPP) (3*100)	300	0	0	0.96	40
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro (>25MW)	372	100	38	1.78	74
	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	106	28	1.31	54
	Renewable(Total)	**486**	**106**	**28**	**1.31**	**54**
	Total HP	**1244**	**205**	**66**	**4.27**	**178**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	118	117	2.83	118
	Other Hydro/IPP(including 98 MW Small Hydro)	308	82	20	1.02	42
	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**	**137**	**4**	**160**
Total State Control Area Generation		**52451**	**21698**	**16015**	**475.16**	**19798**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5032**	**5678**	**158.17**	**6590**
Total Regional Availability(Gross)		**78288**	**45221**	**29466**	**895.37**	**37307**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9110**	**750**	**60.41**	**2511**
State Control Area Hydro	**7468**	**1792**	**1069**	**37.11**	**1627**
Total Regional Hydro	**19702**	**10902**	**1819**	**97.52**	**4138**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.11**	**5**
State Control Area Renewable	**8844**	**221**	**153**	**12.00**	**500**
Total Regional Renewable	**8874**	**221**	**153**	**12.12**	**505**

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	-200	50	200	0.09	4.18	-4.08
765 KV Gwalior-Agra (D/C)	1763	1840	2661	0	50.98	0.00	50.98
400 KV Zerda-Kankroli	-102	-160	0	169	0.00	2.03	-2.03
400 KV Zerda-Bhinmal	-32	-46	110	80	0.32	0.00	0.32
220 KV Auraiya-Malanpur	-113	-85	0	168	0.00	2.72	-2.72
220 KV Badod-Kota/Morak	-62	-49	69	0	0.00	0.64	-0.64
Mundra-Mohindergarh(HVDC Bipole)	598	600	0	804	15.37	0.00	15.37
400 KV RAPPC-Sujalpur	263	187	324	0	5.92	0.00	5.92
400 KV Vindhyachal-Rihand	-968	-769	0	972	0.00	22.26	-22.26
765 kV Phagi-Gwalior (D/C)	835	1214	1423	0	29.77	0.00	29.77
+/- 800 kV HVDC Champa-Kurushetra	2000	2000	2500	0	46.42	0	46.42
Sub Total WR	**3982**	**4532**			**148.87**	**31.82**	**117.05**
400 kV Sasaram - Varanasi	148	145	166	0	3.58	0.00	3.58
400 kV Sasaram - Allahabad	93	98	120	0	2.34	0.00	2.34
400 KV MZP- GKP (D/C)	144	146	465	0	5.84	0.00	5.84
400 KV Patna-Balia(D/C) X 2	566	601	918	0	17.10	0.00	17.10
400 KV B'Sharif-Balia (D/C)	84	108	266	0	4.01	0.00	4.01
765 KV Gaya-Balia	133	131	245	0	4.43	0.00	4.43
765 KV Gaya-Varanasi (D/C)	213	207	584	0	8.64	0.00	8.64
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.50	-0.50
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-46	-45	188	81	0.00	0.88	-0.88
400 KV Motihari -GKP (D/C)	206	218	372	0	6.11	0.00	6.11
400 kV B'Sharif - Varanasi (D/C)	9	37	211	28	2.14	0.00	2.14
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1550**	**1646**			**54.68**	**1.37**	**53.30**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	12.18	-12.18
Sub Total NER	**-500**	**-500**			**0.00**	**12.18**	**-12.18**
Total IR Exch	**5032**	**5678**			**203.55**	**45.38**	**158.17**

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
49.07	0.30	49.37	-3.50	-31.31	0.66	-3.82	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
46.53	118.94	165.48	41.12	117.05	158.17	-5.41	-1.90	-7.31

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	-40	-17	0	40	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	0.67	14.76	70.54	77.87	5.42	1.93	0.06	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	6.02	49.72	18.13	49.97	0.052	0.063	50.06	49.82	22.13

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	4:00	400	6:38	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	4:01	401	18:01	0.0	0.0	0.1	0.0	0.1
Bareilly(PG)400kV	400	422	0:36	402	18:38	0.0	0.0	8.8	0.0	8.8
Kanpur	400	422	1:21	409	18:13	0.0	0.0	5.2	0.0	5.2
Dadri	400	427	0:34	410	18:13	0.0	0.0	27.6	0.0	27.6
Ballabhgarh	400	425	4:00	408	18:38	0.0	0.0	24.5	0.0	24.5
Bawana	400	429	4:02	245	11:35	0.1	0.1	37.1	0.0	37.2
Bassi	400	425	4:01	402	7:07	0.0	0.0	4.6	0.0	4.6
Hissar	400	421	4:00	403	18:20	0.0	0.0	0.3	0.0	0.3
Moga	400	422	13:03	405	7:13	0.0	0.0	0.9	0.0	0.9
Abdullapur	400	428	0:36	410	18:20	0.0	0.0	47.6	0.0	47.6
Nalagarh	400	432	13:03	409	18:36	0.0	0.0	57.6	0.5	57.6
Kishenpur	400	422	1:07	405	18:16	0.0	0.0	4.8	0.0	4.8
Wagoora	400	401	4:00	389	18:16	0.0	3.7	0.0	0.0	0.0
Amritsar	400	429	4:00	411	18:20	0.0	0.0	41.4	0.0	41.4
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	1:02	403	7:02	0.0	0.0	14.5	0.0	14.5
Rishikesh	400	422	0:12	396	18:13	0.0	0.0	1.9	0.0	1.9

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	784	13:03	746	22:10	0.0	0.0	0.0	0.0	0.0
Balia	765	788	4:00	764	18:13	0.0	0.0	0.0	0.0	0.0
Moga	765	806	13:03	764	7:10	0.0	0.0	1.5	0.0	1.5
Agra	765	796	13:03	767	22:10	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	13:03	777	6:11	0.0	0.0	18.5	0.0	18.5
Unnao	765	783	3:59	754	10:36	0.0	0.0	0.0	0.0	0.0
Lucknow	765	799	4:02	768	18:12	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	13:03	771	6:25	0.0	0.0	18.3	0.0	18.3
Jhatikara	765	806	1:21	770	6:11	0.0	0.0	10.0	0.0	10.0
Bareilly 765 kV	765	804	3:59	770	18:12	0.0	0.0	9.7	0.0	9.7
Anta	765	796	4:00	769	5:51	0.0	0.0	0.0	0.0	0.0
Phagi	765	800	4:00	767	5:52	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	493.25	838.00	483.24	536.06	171.63	405.55
Pong	426.72	384.05	406.90	397.88	405.46	352.07	63.54	286.76
Tehri	829.79	740.04	798.30	581.10	798.20	579.50	40.33	193.00
Koteshwar	612.50	598.50	611.12	5.13	610.26	4.95	193.00	194.50
Chamera-I	760.00	748.75	757.07	0.00	0.00	0.00	39.99	48.78
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	497.99	2.77	502.67	1.59	48.45	142.12

*** 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	-1485	-102	0	-1485	-563	0	-36.62	-6.51	-43.13
Delhi	-892	-548	0	-746	-334	0	-19.15	-5.79	-24.94
Haryana	-494	186	0	-638	-166	0	-20.47	-0.73	-21.20
HP	410	108	0	391	81	0	12.69	-0.61	12.08
J&K	796	29	0	796	195	0	18.75	1.60	20.35
CHD	-31	0	0	-31	19	0	-0.37	0.12	-0.25
Rajasthan	-101	166	0	-101	37	0	-0.86	4.23	3.37
UP	48	-71	0	72	-66	0	0.85	-1.62	-0.77
Uttarakhand	410	34	0	410	533	0	9.95	7.12	17.07
Total	**-1339**	**-199**	**0**	**-1332**	**-264**	**0**	**-35.23**	**-2.20**	**-37.42**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1475	-1587	-102	-922	0	0
Delhi	-598	-912	157	-603	0	0
Haryana	-474	-1335	187	-741	0	0
HP	805	260	357	-632	0	0
J&K	796	767	352	-497	0	0
CHD	0	-31	39	-36	0	0
Rajasthan	56	-101	1235	-290	0	0
UP	80	-61	-66	-71	0	0
Uttarakhand	467	410	608	8	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	11
Haryana	0	10
Rajasthan	4	21
Delhi	0	11
UP	0	12
Uttarakhand	3	22
HP	4	28
J & K	1	15
Chandigarh	5	40

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 24.01.2018 :

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 : 24.01.2018 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**