पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 30.01.2018
Date of Reporting : 31.01.2018

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
42976	527	43503	49.93	31166	310	31476	50.02	902.28	13.32

* 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	62.48	10.65	0.00	2.61	0.00	2.34	78.08	24.79	23.45	-1.34	101.53	0.00
Haryana	58.19	0.08	0.00	0.01	0.00	0.14	58.41	58.48	59.45	0.97	117.86	0.00
Rajasthan	115.58	4.85	4.40	2.57	3.01	4.98	135.38	76.17	79.92	3.76	215.31	2.52
Delhi	0.00	0.00	16.64	0.00	0.00	0.00	16.64	50.33	49.82	-0.50	66.46	0.01
UP	159.04	5.97	0.00	2.19	0.00	21.60	188.80	100.19	99.58	-0.61	288.38	0.00
Uttarakhand	0.00	7.24	0.00	0.45	0.00	0.00	7.68	29.47	28.74	-0.73	36.42	0.00
HP	0.00	2.79	0.00	0.00	0.00	1.03	3.82	22.59	23.22	0.63	27.05	0.00
J & K	0.00	3.76	0.00	0.00	0.00	0.00	3.76	42.97	41.91	-1.06	45.67	10.79
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	3.61	0.42	3.61	0.00
Total	**395.28**	**35.33**	**21.04**	**7.83**	**3.01**	**30.08**	**492.57**	**408.17**	**409.71**	**1.54**	**902.28**	13.32

* 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	5033	0	-180	-1590	2899	0	-92	-1334	5078	8	0
Haryana	6322	0	-105	-611	3839	0	-13	-311	6322	19	0
Rajasthan	9236	0	-21	23	8073	0	201	102	10723	8	607
Delhi	3218	0	-125	-837	1609	0	57	-1241	3814	11	0
UP	13656	0	106	6	10805	0	180	-23	13884	7	560
Uttarakhand	1942	0	178	1054	1282	0	32	606	2060	8	0
HP	1275	0	15	499	817	0	-29	515	1525	8	0
J&K	2108	527	-15	1022	1756	310	39	885	2184	20	546
Chandigarh	186	0	4	-31	86	0	5	-31	227	8	0
Total	**42976**	**527**	**-142**	**-466**	**31166**	**310**	**380**	**-833**	**43885**	**8**	**1923**

* 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	1715	1855	1810	41.01	1709	40.59	0.42
	Rihand I STPS (2*500)	1000	875	926	931	20.63	859	20.73	-0.11
	Rihand II STPS (2*500)	1000	943	1007	968	22.72	947	22.15	0.57
	Rihand III STPS (2*500)	1000	943	953	870	22.18	924	21.83	0.34
	Dadri I STPS (4*210)	840	769	747	466	12.31	513	12.45	-0.15
	Dadri II STPS (2*490)	980	929	989	560	17.85	744	17.08	0.77
	Unchahar I TPS (2*210)	420	383	385	229	6.77	282	6.77	0.01
	Unchahar II TPS (2*210)	420	365	416	236	6.08	253	6.74	-0.66
	Unchahar III TPS (1*210)	210	192	207	119	3.47	145	3.47	0.00
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	948	973	567	17.61	734	18.14	-0.53
	Dadri GPS (4*130.19+2*154.51)	830	838	172	114	3.44	143	3.46	-0.02
	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	645	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	0.04	0.01
	Singrauli Solar(15)	15	3	0	0	0.08	3	0.07	0.01
	KHEP(4*200)	800	792	827	0	2.44	102	2.38	0.06
	Sub Total (A)	**12612**	**10761**	**9457**	**6870**	**177**	**7360**	**176**	**0.72**
B. NPC	NAPS (2*220)	440	416	447	455	9.95	415	9.94	0.01
	RAPS- B (2*220)	440	194	217	215	4.63	193	4.66	-0.03
	RAPS- C (2*220)	440	418	466	464	10.07	420	10.03	0.04
	Sub Total (B)	**1320**	**1028**	**1130**	**1134**	**24.65**	**1027**	**24.63**	**0.02**
C. NHPC	Chamera I HPS (3*180)	540	534	412	0	1.79	75	1.60	0.19
	Chamera II HPS (3*100)	300	296	300	0	0.94	39	0.87	0.08
	Chamera III HPS (3*77)	231	153	161	0	0.57	24	0.50	0.07
	Bairasuil HPS(3*60)	180	52	122	0	0.38	16	0.36	0.02
	Salal-HPS (6*115)	690	70	310	30	2.11	88	1.68	0.43
	Tanakpur-HPS (3*31.4)	94	20	31	18	0.52	22	0.48	0.04
	Uri-I HPS (4*120)	480	62	230	21	1.72	72	1.48	0.24
	Uri-II HPS (4*60)	240	46	37	37	1.12	47	1.10	0.03
	Dhauliganga-HPS (4*70)	280	52	290	0	0.87	36	0.84	0.03
	Dulhasti-HPS (3*130)	390	257	266	0	0.25	10	2.30	-2.05
	Sewa-II HPS (3*40)	120	119	0	0	0.27	11	0.36	-0.08
	Parbati 3 (4*130)	520	16	134	0	0.42	17	0.39	0.03
	Sub Total (C)	**4065**	**1677**	**2292**	**106**	**11**	**457**	**12**	**-0.98**
D.SJVNL	NJPC (6*250)	1500	1263	1328	0	6.11	254	6.29	-0.19
	Rampur HEP (6*68.67)	412	344	369	0	1.72	72	1.77	-0.05
	Sub Total (D)	**1912**	**1607**	**1697**	**0**	**7.83**	**326**	**8.06**	**-0.23**
E. THDC	Tehri HPS (4*250)	1000	916	917	0	6.85	286	6.78	0.07
	Koteshwar HPS (4*100)	400	107	202	91	2.62	109	2.56	0.06
	Sub Total (E)	**1400**	**1023**	**1119**	**91**	**9.47**	**395**	**9.34**	**0.13**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	640	1138	432	15.47	645	15.36	0.12
	Dehar HPS (6*165)	990	80	330	0	2.06	86	1.92	0.14
	Pong HPS (6*66)	396	207	264	0	4.98	208	4.96	0.02
	Sub Total (F)	**2765**	**926**	**1732**	**432**	**22.52**	**938**	**22.23**	**0.29**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	0	0	0.30	12	0.29	0.01
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	775	0	3.43	143	3.32	0.11
	Malana Stg-II HPS (2*50)	100	0	0	0	0.18	7	0.17	0.01
	Shree Cement TPS (2*150)	300	0	149	99	3.02	126	3.10	-0.08
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
	Sainj HPS (IPP) (2*50)	100	0					0.26	
	Sub Total (G)	**1762**	**0**	**924**	**99**	**7.06**	**294**	**7.01**	**0.05**
H. Total Regional Entities (A-G)		**25837**	**17022**	**18351**	**8732**	**259.14**	**10797**	**259.14**	**0.00**

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	3.58	149
	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	370	372	8.41	351
	Goindwal(GVK) (2*270)	540	175	145	3.82	159
	Rajpura (2*700)	1400	1320	660	26.60	1109
	Talwandi Saboo (3*660)	1980	1100	616	20.08	837
	Thermal (Total)	**6560**	**3125**	**1953**	62.48	**2603**
	Total Hydro	1000	431	239	10.65	444
	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**	**3556**	**2192**	**78.08**	**3253**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	549	458	11.97	499
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	918	791	20.78	866
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1187	740	25.44	1060
	Thermal (Total)	**4497**	**2654**	**1989**	**58.19**	**2424**
	Total Hydro	62	0	4	0.08	3
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.14	6
	Solar	50	0	0	0.01	0
	Renewable(Total)	**156**	**0**	**0**	**0.15**	**6**
	Total Haryana	**4715**	**2654**	**1993**	**58.41**	**2434**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1148	916	25.74	1072
	suratgarh TPS (6*250)	1500	1091	903	24.46	1019
	Chabra TPS (4*250)	1000	684	692	16.26	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	179	182	4.40	183
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.49	187
	Barsingsar (NLC) (2*125)	250	223	223	5.12	213
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	717	821	18.04	752
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1130	944	25.96	1082
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**9536**	**5366**	**4875**	**124.46**	**5186**
	Total Hydro	550	103	169	4.85	202
	Wind power	4292	222	127	3.01	125
	Biomass	102	20	20	0.49	20
	Solar	1995	0	0	2.57	107
	Renewable/Others (Total)	6389	242	147	6.07	253
	Total Rajasthan	**16475**	**5711**	**5191**	**135.38**	**5641**
UP	Anpara TPS (3*210+2*500)	1630	1294	1172	33.95	1415
	Obra TPS (2*50+2*94+5*200)	1194	427	404	10.32	430
	Paricha TPS (2*110+2*220+2*250)	1160	804	584	17.20	717
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	422	319	8.75	364
	Tanda TPS (NTPC) (4*110)	440	402	274	8.15	340
	Roza TPS (IPP) (4*300)	1200	769	564	14.98	624
	Anpara-C (IPP) (2*600)	1200	1110	1105	25.72	1071
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	190	212	4.81	200
	Anpara-D(2*500)	1000	453	451	10.46	436
	Lalitpur TPS(3*660)	1980	622	378	11.88	495
	Bara(2*660)	1320	588	388	12.83	535
	Thermal (Total)	**12449**	**7081**	**5851**	**159.04**	**6627**
	Vishnuparyag HPS (IPP)(4*110)	440	73	68	1.70	71
	Alaknanada(4*82.5)	330	84	0	1.18	49
	Other Hydro	527	121	33	3.09	129
	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	2.19	91
	Renewable(Total)	**128**	**0**	**0**	**2.19**	**91**
	Total UP	**14855**	**8259**	**6852**	**188.80**	**7867**
Uttarakhand	Other Hydro	1250	433	289	7.24	302
	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	0.45	19
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.45	19
	Total Uttarakhand	**2107**	**433**	**289**	**7.68**	**320**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	39	143	2.48	103
	Pragati Gas Turbine (2x104+ 1x122)	330	265	270	6.49	271
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	463	248	7.67	320
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**767**	**661**	**16.64**	**693**
	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**	**767**	**661**	**16.64**	**693**

HP	Baspa HPS (IPP) (3*100)	300	28	0	0.96	40
	Malana HPS (IPP) (2*43)	86	0	0	0.18	7
	Other Hydro (>25MW)	372	131	38	1.65	69
	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	21	1.03	43
	Renewable(Total)	**486**	**84**	**21**	**1.03**	**43**
	Total HP	**1244**	**243**	**59**	**3.82**	**159**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	118	119	2.84	118
	Other Hydro/IPP(including 98 MW Small Hydro)	308	76	25	0.92	38
	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**	**194**	**144**	**4**	**157**
Total State Control Area Generation		**52451**	**21817**	**17381**	**492.57**	**20524**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7075**	**8181.69**	**171.67**	**7153**
Total Regional Availability(Gross)		**78288**	**47243**	**34295**	**923.38**	**38474**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8442**	**629**	**57.26**	**2380**
State Control Area Hydro	**7468**	**1682**	**1005**	**35.33**	**1534**
Total Regional Hydro	**19702**	**10124**	**1634**	**92.59**	**3914**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.15**	**6**
State Control Area Renewable	**8844**	**326**	**168**	**14.83**	**618**
Total Regional Renewable	**8874**	**326**	**168**	**14.98**	**624**

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	-50	250	50	3.35	0.40	2.95
765 KV Gwalior-Agra (D/C)	1774	2015	2595	0	52.58	0.00	52.58
400 KV Zerda-Kankroli	-109	-110	0	168	0.00	2.29	-2.29
400 KV Zerda-Bhinmal	-23	-25	139	93	0.07	0.00	0.07
220 KV Auraiya-Malanpur	-98	-71	0	133	0.00	2.23	-2.23
220 KV Badod-Kota/Morak	-66	-57	44	80	0.00	0.77	-0.77
Mundra-Mohindergarh(HVDC Bipole)	597	502	1203	0	16.92	0.00	16.92
400 KV RAPPC-Sujalpur	222	180	388	0	6.12	0.00	6.12
400 KV Vindhyachal-Rihand	907	818	0	973	0.00	22.46	-22.46
765 kV Phagi-Gwalior (D/C)	1004	1137	1629	0	29.84	0.00	29.84
+/- 800 kV HVDC Champa-Kurushetra	1650	2500	2500	0	44.76	0	44.76
Sub Total WR	**6108**	**6839**			**153.63**	**28.14**	**125.48**
400 kV Sasaram - Varanasi	176	156	180	0	3.83	0.00	3.83
400 kV Sasaram - Allahabad	69	88	118	0	2.09	0.00	2.09
400 KV MZP- GKP (D/C)	70	299	465	0	6.57	0.00	6.57
400 KV Patna-Balia(D/C) X 2	510	571	1034	0	17.55	0.00	17.55
400 KV B'Sharif-Balia (D/C)	24	156	263	0	3.40	0.00	3.40
765 KV Gaya-Balia	147	166	291	0	4.79	0.00	4.79
765 KV Gaya-Varanasi (D/C)	142	244	625	0	8.17	0.00	8.17
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-21	-21	0	27	0.00	0.51	-0.51
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-25	-9	124	106	0.31	0.00	0.31
400 KV Motihari -GKP (D/C)	72	228	258	0	4.42	0.00	4.42
400 kV B'Sharif - Varanasi (D/C)	103	-35	197	103	0.93	0.00	0.93
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1267**	**1843**			**52.05**	**0.51**	**51.55**
+/- 800 KV HVDC BiswanathCharialli-Agra	-300	-500	0	500.00	0.00	5.36	-5.36
Sub Total NER	**-300**	**-500**			**0.00**	**5.36**	**-5.36**
Total IR Exch	**7075**	**8182**			**205.68**	**34.01**	**171.67**

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
45.74	0.29	46.03	-3.50	-27.79	14.03	3.27	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
56.56	126.91	183.48	46.19	125.48	171.67	-10.38	-1.43	-11.81

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	-29	-29	0	40	0	1	-0.79

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	0.30	14.04	65.08	77.64	6.26	1.86	0.25	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)	
50.24	13.02	49.77	22.08	49.97	0.050	0.065	50.12	49.86	22.36

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	406	0:03	399	6:51	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	0:00	398	10:47	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	422	13:02	401	6:55	0.0	0.0	6.2	0.0	6.2
Kanpur	400	420	1:05	404	6:43	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	4:01	407	6:50	0.0	0.0	30.4	0.0	30.4
Ballabhgarh	400	425	3:59	403	6:51	0.0	0.0	27.6	0.0	27.6
Bawana	400	426	2:03	405	6:53	0.0	0.0	33.2	0.0	33.2
Bassi	400	427	4:01	399	7:13	0.0	0.0	8.9	0.0	8.9
Hissar	400	422	13:03	398	6:54	0.0	0.0	0.4	0.0	0.4
Moga	400	425	13:01	402	7:12	0.0	0.0	1.2	0.0	1.2
Abdullapur	400	430	13:03	406	6:54	0.0	0.0	33.0	0.0	33.0
Nalagarh	400	433	13:01	409	6:55	0.0	0.0	36.0	0.4	36.0
Kishenpur	400	420	2:59	404	7:11	0.0	0.0	0.0	0.0	0.0
Wagoora	400	398	3:33	385	11:17	0.0	45.9	0.0	0.0	0.0
Amritsar	400	431	13:01	410	7:14	0.0	0.0	34.7	0.1	34.7
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	425	13:04	404	18:39	0.0	0.0	2.2	0.0	2.2
Rishikesh	400	422	13:01	392	7:25	0.0	0.0	0.5	0.0	0.5

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	786	2:01	738	6:51	0.0	2.7	0.0	0.0	0.0
Balia	765	786	0:00	758	6:53	0.0	0.0	0.0	0.0	0.0
Moga	765	812	13:01	758	6:55	0.0	0.0	3.1	0.0	3.1
Agra	765	801	13:01	758	6:56	0.0	0.0	0.2	0.0	0.2
Bhiwani	765	814	13:02	771	6:50	0.0	0.0	23.5	0.0	23.5
Unnao	765	777	15:20	746	10:47	0.0	0.0	0.0	0.0	0.0
Lucknow	765	796	15:18	762	10:49	0.0	0.0	0.0	0.0	0.0
Meerut	765	820	13:01	765	6:53	0.0	0.0	24.4	0.0	24.4
Jhatikara	765	811	13:01	769	6:51	0.0	0.0	27.8	0.0	27.8
Bareilly 765 kV	765	804	15:20	766	10:47	0.0	0.0	4.8	0.0	4.8
Anta	765	799	4:01	766	6:52	0.0	0.0	0.0	0.0	0.0
Phagi	765	805	4:00	764	7:20	0.0	0.0	4.8	0.0	4.8

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	492.05	798.09	482.43	519.70	158.60	453.07
Pong	426.72	384.05	406.07	370.28	405.03	344.07	39.25	340.91
Tehri	829.79	740.04	795.85	542.35	795.55	537.67	39.39	173.00
Koteshwar	612.50	598.50	610.33	4.69	609.51	4.32	173.00	172.82
Chamera-I	760.00	748.75	756.60	0.00	0.00	0.00	35.93	48.24
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	496.82	2.54	503.43	1.36	50.18	118.54

*** 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	-1334	0	0	-1334	-256	0	-33.21	-1.50	-34.70
Delhi	-892	-349	0	-745	-91	0	-19.14	-1.62	-20.75
Haryana	-494	182	0	-637	26	0	-20.46	1.45	-19.01
HP	412	103	0	391	108	0	12.71	-0.18	12.53
J&K	797	88	0	797	225	0	18.77	3.77	22.54
CHD	-31	0	0	-31	0	0	-0.37	-0.04	-0.41
Rajasthan	-96	198	0	-96	119	0	-0.74	9.43	8.69
UP	48	-71	0	72	-66	0	0.87	-1.62	-0.75
Uttarakhand	410	196	0	410	643	0	9.96	8.15	18.11
Total	**-1180**	**347**	**0**	**-1173**	**707**	**0**	**-31.59**	**17.83**	**-13.76**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-1324	-1524	0	-460	0	0
Delhi	-597	-910	444	-349	0	0
Haryana	-473	-1333	185	-586	0	0
HP	805	261	284	-632	0	0
J&K	797	768	450	-379	0	0
CHD	0	-31	19	-36	0	0
Rajasthan	61	-96	1646	-69	0	0
UP	84	-61	-66	-71	0	0
Uttarakhand	467	410	695	97	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	1	15
Haryana	2	18
Rajasthan	3	17
Delhi	4	31
UP	1	14
Uttarakhand	6	53
HP	4	35
J & K	4	44
Chandigarh	5	39

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 30.01.2018 :

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 : 30.01.2018 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**