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

Power Supply Position in Northern Region for 01.04.2018
Date of Reporting : 02.04.2018

I. Regional Availability/Demand:

Evening Peak (20:00 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
39430	888	40317	50.09	33348	242	33590	49.93	835.95	9.30

* 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	54.73	3.88	0.00	3.24	0.00	2.90	64.74	51.93	51.30	-0.63	116.04	0.00
Haryana	55.16	0.35	4.15	0.16	0.00	0.95	60.77	40.19	42.01	1.82	102.77	0.00
Rajasthan	98.47	0.08	3.96	6.78	17.09	4.71	131.09	49.11	49.32	0.21	180.41	0.00
Delhi	0.00	0.00	15.28	0.00	0.00	0.00	15.28	57.58	55.10	-2.48	70.39	0.00
UP	148.52	3.55	0.00	3.59	0.00	21.60	177.26	94.97	91.51	-3.46	268.76	0.00
Uttarakhand	0.00	6.74	0.00	0.75	0.00	0.00	7.49	25.10	24.85	-0.25	32.34	0.00
HP	0.00	3.38	0.00	0.00	0.00	2.88	6.26	16.60	16.61	0.01	22.87	0.00
J & K	0.00	8.60	0.00	0.00	0.00	0.00	8.60	31.13	30.70	-0.43	39.30	9.30
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30	3.08	-0.22	3.08	0.00
Total	**356.88**	**26.58**	**23.39**	**14.52**	**17.09**	**33.03**	**471.49**	**369.91**	**364.46**	**-5.45**	**835.95**	9.30

* 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 (20:00 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	5020	0	2813	-206	4041	0	1788	-408	5420	8	0
Haryana	5380	0	494	-400	4488	0	-624	-689	5380	20	0
Rajasthan	7489	0	-371	-116	7028	0	172	-431	8511	8	0
Delhi	3335	0	1791	-663	2598	0	1351	-550	3369	21	0
UP	13331	400	4689	65	11495	0	4242	801	14019	24	0
Uttarakhand	1692	0	1262	548	1375	0	1132	716	1722	6	0
HP	1071	0	731	-201	850	0	630	320	1224	9	0
J&K	1950	488	1586	232	1373	242	1028	232	1979	21	495
Chandigarh	161	0	158	-20	100	0	97	0	161	20	0
Total	**39430**	**888**	**13154**	**-761**	**33348**	**242**	**9815**	**-10**	**39430**	**20**	**888**

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.06

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	0	1280	1221	26.94	1123	26.02	0.92
	Rihand I STPS (2*500)	1000	0	465	463	10.13	422	10.62	-0.49
	Rihand II STPS (2*500)	1000	139	948	1017	20.38	849	22.15	-1.77
	Rihand III STPS (2*500)	1000	191	962	1010	20.62	859	20.54	0.08
	Dadri I STPS (4*210)	840	265	459	364	8.29	346	10.00	-1.71
	Dadri II STPS (2*490)	980	173	715	613	14.11	588	15.01	-0.90
	Unchahar I TPS (2*210)	420	0	235	275	5.43	226	5.93	-0.50
	Unchahar II TPS (2*210)	420	488	240	228	5.53	231	5.90	-0.37
	Unchahar III TPS (1*210)	210	159	118	120	2.69	112	2.91	-0.22
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1126	853	868	19.63	818	19.14	0.49
	Dadri GPS (4*130.19+2*154.51)	830	1066	110	110	2.73	114	2.84	-0.11
	Anta GPS (3*88.71+1*153.2)	419	702	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	628	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	0	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	0	0	0	0.00	0	0.05	-0.05
	Singrauli Solar(15)	15	0	0	0	0.04	2	0.06	-0.03
	KHEP(4*200)	800	0	858	0	2.36	99	2.38	-0.01
	Sub Total (A)	**12612**	**4937**	**7243**	**6289**	**139**	**5788**	**144**	**-4.66**
B. NPC	NAPS (2*220)	440	576	428	429	9.47	394	9.43	0.04
	RAPS- B (2*220)	440	928	426	434	9.30	388	9.21	0.09
	RAPS- C (2*220)	440	125	453	455	9.73	406	9.60	0.13
	Sub Total (B)	**1320**	**1629**	**1307**	**1318**	**28.50**	**1188**	**28.24**	**0.26**
C. NHPC	Chamera I HPS (3*180)	540	792	478	0	2.23	93	2.20	0.03
	Chamera II HPS (3*100)	300	132	202	0	2.04	85	1.90	0.14
	Chamera III HPS (3*77)	231	0	143	0	1.44	60	1.25	0.19
	Bairasuil HPS(3*60)	180	0	181	62	1.45	60	1.14	0.31
	Salal-HPS (6*115)	690	207	560	60	5.21	217	2.56	2.65
	Tanakpur-HPS (3*31.4)	94	1000	22	17	0.51	21	0.40	0.11
	Uri-I HPS (4*120)	480	385	419	235	6.01	250	5.88	0.13
	Uri-II HPS (4*60)	240	0	203	143	3.53	147	3.57	-0.05
	Dhauliganga-HPS (4*70)	280	0	212	0	0.64	26	1.45	-0.82
	Dulhasti-HPS (3*130)	390	392	407	0	3.41	142	3.00	0.41
	Sewa-II HPS (3*40)	120	0	89	0	0.95	39	1.25	-0.30
	Parbati 3 (4*130)	520	0	258	0	0.67	28	0.39	0.28
	Sub Total (C)	**4065**	**2909**	**3173**	**517**	**28**	**1170**	**25**	**3.09**
D.SJVNL	NJPC (6*250)	1500	1497	1167	0	7.01	292	7.00	0.01
	Rampur HEP (6*68.67)	412	0	349	0	2.01	84	1.94	0.06
	Sub Total (D)	**1912**	**1497**	**1516**	**0**	**9.02**	**376**	**8.95**	**0.08**
E. THDC	Tehri HPS (4*250)	1000	27	445	0	6.80	283	6.35	0.45
	Koteshwar HPS (4*100)	400	3	384	93	3.23	135	2.84	0.39
	Sub Total (E)	**1400**	**30**	**829**	**93**	**10.03**	**418**	**9.19**	**0.84**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	13	990	377	11.35	473	11.38	-0.04
	Dehar HPS (6*165)	990	412	495	0	3.14	131	3.28	-0.14
	Pong HPS (6*66)	396	0	104	0	0.31	13	0.40	-0.09
	Sub Total (F)	**2765**	**426**	**1589**	**377**	**14.79**	**616**	**15.06**	**-0.26**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	119	104	0	0.52	22	0.44	0.08
	Karcham Wangtoo HPS(IPP) (4*250)	1000	2	1000	0	3.69	154	3.79	-0.10
	Malana Stg-II HPS (2*50)	100	17	0	0	0.22	9	0.21	0.00
	Shree Cement TPS (2*150)	300	17	111	111	2.64	110	5.65	-3.02
	Budhil HPS(IPP) (2*35)	70	382	0	0	0.00	0	0.21	-0.21
	Sainj HPS (IPP) (2*50)	100	0					0.35	
	Sub Total (G)	**1762**	**537**	**1216**	**111**	**7.07**	**294**	**10.30**	**-3.24**
H. Total Regional Entities (A-G)		**25837**	**11965**	**16873**	**8705**	**236.40**	**9850**	**240.30**	**-3.90**

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	190	4.09	171
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.01	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	191	366	5.71	238
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2
	Rajpura (2*700)	1400	760	1000	25.57	1065
	Talwandi Saboo (3*660)	1980	924	616	19.41	809
	Thermal (Total)	**6560**	**2035**	**2172**	54.73	**2280**
	Total Hydro	1000	22	23	3.88	162
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	2.90	121
	Solar	859	0	0	3.24	135
	Renewable(Total)	**1162**	**0**	**0**	**6.13**	**256**
	Total Punjab	**8722**	**2057**	**2195**	**64.74**	**2698**
Haryana	Panipat TPS (2*210+2*250)	920	369	370	9.17	382
	DCRTPP (Yamuna nagar) (2*300)	600	228	230	5.56	232
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	165	188	4.15	173
	RGTPP (khedar) (IPP) (2*600)	1200	774	764	18.44	768
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	807	1115	21.99	916
	Thermal (Total)	**4497**	**2343**	**2667**	**59.31**	**2471**
	Total Hydro	62	7	11	0.35	14
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.95	39
	Solar	50	0	0	0.16	7
	Renewable(Total)	**156**	**0**	**0**	**1.11**	**46**
	Total Haryana	**4715**	**2350**	**2678**	**60.77**	**2532**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	605	1	22.30	929
	suratgarh TPS (6*250)	1500	683	716	7.62	318
	Chabra TPS (4*250)	1000	1069	1212	26.42	1101
	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	147	147	3.96	165
	RAPS A (NPC) (1*100+1*200)	300	182	176	4.11	171
	Barsingsar (NLC) (2*125)	250	91	90	1.97	82
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	440	568	16.04	668
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	407	414	11.52	480
	Kawai(Adani) (2*660)	1320	506	588	12.60	525
	Thermal (Total)	**9536**	**4130**	**3912**	**106.54**	**4439**
	Total Hydro	550	19	18	0.08	4
	Wind power	4292	633	1073	17.09	712
	Biomass	102	25	25	0.60	25
	Solar	1995	23	0	6.78	282
	Renewable/Others (Total)	6389	681	1098	24.47	1019
	Total Rajasthan	**16475**	**4830**	**5028**	**131.09**	**5462**
UP	Anpara TPS (3*210+2*500)	1630	1320	1310	27.96	1165
	Obra TPS (2*50+2*94+5*200)	1194	297	212	5.76	240
	Paricha TPS (2*110+2*220+2*250)	1160	822	546	13.55	565
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	310	312	7.28	304
	Tanda TPS (NTPC) (4*110)	440	284	232	5.72	238
	Roza TPS (IPP) (4*300)	1200	423	460	11.07	461
	Anpara-C (IPP) (2*600)	1200	1073	763	18.86	786
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	221	177	4.94	206
	Anpara-D(2*500)	1000	451	473	8.93	372
	Lalitpur TPS(3*660)	1980	1493	1016	27.71	1155
	Bara(3*660)	1980	750	676	16.74	697
	Thermal (Total)	**13109**	**7444**	**6177**	**148.52**	**6188**
	Vishnuparyag HPS (IPP)(4*110)	440	83	75	1.78	74
	Alaknanada(4*82.5)	330	82	0	1.00	42
	Other Hydro	527	3	48	0.76	32
	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	3.59	150
	Renewable(Total)	**128**	**0**	**0**	**3.59**	**150**
	Total UP	**15515**	**8512**	**7200**	**177.26**	**7386**
Uttarakhand	Other Hydro	1250	429	242	6.74	281
	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	0.75	31
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.75	31
	Total Uttarakhand	**2107**	**429**	**242**	**7.49**	**312**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	36	0.82	34
	Pragati Gas Turbine (2x104+ 1x122)	330	146	153	3.66	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	453	448	10.81	450
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**634**	**637**	**15.28**	**637**
	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**	**634**	**637**	**15.28**	**637**

HP	Baspa HPS (IPP) (3*100)	300	0	0	0.87	36
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro (>25MW)	372	106	54	2.29	96
	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	181	59	2.88	120
	Renewable(Total)	**486**	**181**	**59**	**2.88**	**120**
	Total HP	**1244**	**287**	**113**	**6.26**	**261**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	418	295	7.19	299
	Other Hydro/IPP(including 98 MW Small Hydro)	308	70	50	1.41	59
	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**	**488**	**345**	**9**	**358**
Total State Control Area Generation		**53111**	**19587**	**18438**	**471.49**	**19645**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**3971**	**6865**	**154.57**	**6441**
Total Regional Availability(Gross)		**78948**	**40431**	**34008**	**862.46**	**35936**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9070**	**987**	**68.71**	**2863**
State Control Area Hydro	**7468**	**1420**	**875**	**26.58**	**1259**
Total Regional Hydro	**19702**	**10490**	**1861**	**95.29**	**4122**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.07**	**3**
State Control Area Renewable	**8844**	**862**	**1157**	**38.93**	**1622**
Total Regional Renewable	**8874**	**862**	**1157**	**38.99**	**1625**

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 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	250	250	0	3.83	0.00	3.83
765 KV Gwalior-Agra (D/C)	1747	2367	2532	0	42.71	0.00	42.71
400 KV Zerda-Kankroli	-302	-282	0	442	0.00	8.28	-8.28
400 KV Zerda-Bhinmal	-254	-238	0	410	0.00	6.78	-6.78
220 KV Auraiya-Malanpur	-59	-41	0	113	0.00	1.39	-1.39
220 KV Badod-Kota/Morak	-49	41	50	74	0.00	0.09	-0.09
Mundra-Mohindergarh(HVDC Bipole)	297	303	303	0	7.37	0.00	7.37
400 KV RAPPC-Sujalpur	230	272	272	0	4.81	0.00	4.81
400 KV Vindhyachal-Rihand	-853	-953	0	933	0.00	20.66	-20.66
765 kV Phagi-Gwalior (D/C)	924	1255	1272	0	25.20	0.00	25.20
+/- 800 kV HVDC Champa-Kurushetra	1000	1000	2000	0	36.83	0	36.83
765KV Orai-Jabalpur	0	0	0	0	9.80	0	9.80
765KV Orai-Satna	0	0	0	0	36.00	0	36.00
765KV Orai-Gwalior	0	0	0	0	0.00	15	-14.50
Sub Total WR	**2731**	**3974**			**166.54**	**51.69**	**114.85**
400 kV Sasaram - Varanasi	-41	-15	0	41	0.00	0.52	-0.52
400 kV Sasaram - Allahabad	-48	-18	0	49	0.00	0.68	-0.68
400 KV MZP- GKP (D/C)	203	254	476	0	4.67	0.00	4.67
400 KV Patna-Balia(D/C) X 2	371	629	740	0	13.03	0.00	13.03
400 KV B'Sharif-Balia (D/C)	233	276	345	0	5.76	0.00	5.76
765 KV Gaya-Balia	360	455	492	0	8.69	0.00	8.69
765 KV Gaya-Varanasi (D/C)	284	318	318	0	6.04	0.00	6.04
220 KV Pusauli-Sahupuri	152	130	163	0	2.89	0.00	2.89
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-36	-29	0	36	0.00	0.68	-0.68
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	10	39	86	10	1.02	0.00	1.02
400 KV Motihari -GKP (D/C)	162	282	292	0	4.75	0.00	4.75
400 kV B'Sharif - Varanasi (D/C)	90	70	177	15	1.53	0.00	1.53
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1740**	**2391**			**48.86**	**1.88**	**46.98**
+/- 800 KV HVDC BiswanathChariali-Agra	-500	500	500	500.00	0.90	8.16	-7.26
Sub Total NER	**-500**	**500**			**0.90**	**8.16**	**-7.26**
Total IR Exch	**3971**	**6865**			**216.29**	**61.72**	**154.57**

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
40.18	0.01	40.19	-7.50	-17.61	10.56	-0.03	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
43.26	111.12	154.37	39.73	114.85	154.57	-3.53	3.73	0.20

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 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	-31	0	38	0	1	-0.72

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	0.01	7.34	51.23	76.11	14.64	2.66	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)	
50.19	18.01	49.80	1.53	49.99	0.037	0.060	50.10	49.81	23.89

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	404	8:06	400	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	13:15	397	19:32	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	14:04	396	22:43	0.0	0.0	0.0	0.0	0.0
Kanpur	400	422	13:35	407	19:10	0.0	0.0	4.0	0.0	4.0
Dadri	400	422	3:58	412	18:42	0.0	0.0	16.6	0.0	16.6
Ballabhgarh	400	422	4:03	410	19:13	0.0	0.0	12.4	0.0	12.4
Bawana	400	423	4:01	411	18:58	0.0	0.0	15.6	0.0	15.6
Bassi	400	419	13:58	404	22:22	0.0	0.0	0.0	0.0	0.0
Hissar	400	420	3:58	408	18:43	0.0	0.0	0.0	0.0	0.0
Moga	400	421	3:57	407	18:43	0.0	0.0	0.2	0.0	0.2
Abdullapur	400	428	3:57	413	18:45	0.0	0.0	45.8	0.0	45.8
Nalagarh	400	432	3:57	416	6:34	0.0	0.0	84.4	1.5	84.4
Kishenpur	400	426	3:56	408	19:12	0.0	0.0	17.3	0.0	17.3
Wagoora	400	409	3:52	390	10:08	0.0	0.0	0.0	0.0	0.0
Amritsar	400	429	3:56	413	6:36	0.0	0.0	35.8	0.0	35.8
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	421	15:02	409	6:37	0.0	0.0	15.5	0.0	15.5
Rishikesh	400	415	16:00	399	18:39	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	773	13:34	744	19:12	0.0	0.0	0.0	0.0	0.0
Balia	765	786	13:36	758	19:14	0.0	0.0	0.0	0.0	0.0
Moga	765	793	2:00	768	18:52	0.0	0.0	0.0	0.0	0.0
Agra	765	789	13:35	763	22:23	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	799	4:04	782	22:12	0.0	0.0	0.0	0.0	0.0
Unnao	765	785	13:35	754	19:11	0.0	0.0	0.0	0.0	0.0
Lucknow	765	798	14:04	765	19:12	0.0	0.0	0.0	0.0	0.0
Meerut	765	801	14:03	766	18:41	0.0	0.0	0.3	0.0	0.3
Jhatikara	765	798	14:04	776	19:13	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	802	13:58	769	19:12	0.0	0.0	1.1	0.0	1.1
Anta	765	792	13:01	760	1:44	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	12:59	763	1:45	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	472.25	303.45	464.42	186.89	155.46	369.00
Pong	426.72	384.05	394.06	111.75	396.72	157.28	32.90	25.68
Tehri	829.79	740.04	765.25	165.36	762.15	138.55	85.10	205.00
Koteshwar	612.50	598.50	609.68	4.44	609.83	4.46	205.00	213.63
Chamera-I	760.00	748.75	754.58	0.00	0.00	0.00	78.78	60.31
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	495.80	1.39	507.60	0.89	68.44	63.62

*** NA: Not Available**

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-408	0	0	-206	0	0	-5.96	0.00	-5.96
Delhi	-369	-181	0	-255	-408	0	-6.35	-4.64	-10.99
Haryana	-706	18	0	-404	4	0	-15.82	-0.32	-16.14
HP	252	68	0	-51	-149	0	5.87	-0.77	5.10
J&K	-252	484	0	-252	484	0	-6.05	11.04	4.99
CHD	0	0	0	0	-20	0	0.00	-0.24	-0.24
Rajasthan	0	-431	0	0	-116	0	0.00	-5.59	-5.59
UP	801	0	0	65	0	0	4.99	0.00	4.99
Uttarakhand	5	711	0	5	544	0	0.10	13.53	13.63
Total	**-679**	**668**	**0**	**-1099**	**338**	**0**	**-23.23**	**13.01**	**-10.22**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-206	-408	0	0	0	0
Delhi	-215	-370	0	-654	0	0
Haryana	-404	-757	18	-497	0	0
HP	387	-61	379	-489	0	0
J&K	-252	-252	484	138	0	0
CHD	0	0	0	-66	0	0
Rajasthan	0	0	51	-1060	0	0
UP	801	65	0	0	0	0
Uttarakhand	5	0	867	184	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	13
Haryana	3	21
Rajasthan	1	15
Delhi	6	48
UP	1	15
Uttarakhand	4	30
HP	2	23
J & K	2	17
Chandigarh	5	37

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.04.2018 :

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 : 01.04.2018 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**