पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 08.04.2017

Date of Reporting : 09.04.2017

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
41960	462	42423	50.00	35698	375	36073	50.01	861.60	20.25

* 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	37.75	2.98	0.30	41.03	62.20	62.67	0.47	103.69	0.00
Haryana	13.07	0.60	0.00	13.67	96.99	96.99	0.00	110.66	0.00
Rajasthan	88.86	0.50	6.31	95.67	70.71	71.57	0.86	167.24	0.00
Delhi	14.64		0.00	14.64	63.70	61.34	-2.36	75.98	0.02
UP	182.98	5.41	0.00	188.39	109.79	109.86	0.07	298.25	10.22
Uttarakhand		9.31	0.00	16.38	17.32	16.89	-0.43	33.27	0.00
HP		15.95	4.82	15.95	10.28	12.85	2.57	28.80	0.00
J & K		17.42	0.00	17.42	22.49	22.64	0.15	40.06	10.02
Chandigarh				0.00	3.96	3.64	-0.32	3.64	0.00
Total	**337.30**	**52.17**	**11.42**	**403.14**	**457.44**	**458.46**	**1.02**	**861.60**	20.25

* 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	5025	0	106	-97	4158	0	26	-97	5025	20:00	0
Haryana	5823	0	0	279	4129	0	0	345	5823	20:00	0
Rajasthan	7679	0	117	416	6957	0	-9	470	7679	20:00	0
Delhi	3506	0	-58	-272	2946	0	-33	-340	3519	21:00	0
UP	15105	0	-2	253	13818	0	0	11	15707	22:00	0
Uttarakhand	1743	0	142	147	1300	0	-68	50	1743	20:00	0
HP	1041	0	109	-932	773	0	127	-48	1246	10:00	0
J&K	1850	462	-49	-313	1500	375	-24	-273	1881	21:00	470
Chandigarh	188	0	-12	-10	117	0	-8	-20	189	19:00	0
Total	**41960**	**462**	**354**	**-529**	**35698**	**375**	**11**	**96**	**41960**	**20:00**	**462**

* 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	1647	1783	1552	38.24	1593	37.84	0.40
	Rihand I STPS (2*500)	1000	836	1007	820	18.87	786	18.45	0.42
	Rihand II STPS (2*500)	1000	475	513	472	10.83	451	10.60	0.23
	Rihand III STPS (2*500)	1000	966	969	970	21.23	884	21.06	0.17
	Dadri I STPS (4*210)	840	815	618	480	11.23	468	11.66	-0.43
	Dadri II STPS (2*490)	980	980	957	720	17.46	728	18.02	-0.56
	Unchahar I TPS (2*210)	420	403	349	344	7.35	306	7.79	-0.44
	Unchahar II TPS (2*210)	420	405	410	298	7.16	299	7.53	-0.36
	Unchahar III TPS (1*210)	210	203	209	136	3.64	152	3.75	-0.11
	Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1440	971	631	16.64	694	16.84	-0.20
	Dadri GPS (4*130.19+2*154.51)	830	604	210	61	3.53	147	4.11	-0.58
	Anta GPS (3*88.71+1*153.2)	419	376	331	282	7.54	314	7.11	0.44
	Auraiya GPS (4*111.19+2*109.30)	663	639	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	2	0	0	0.00	0	0.04	-0.04
	Singrauli Solar(15)	15	2	0	0	0.00	0	0.05	-0.05
	KHEP(4*200)	800	872	872	655	4.54	189	4.35	0.19
	Sub Total (A)	**12772**	**10666**	**9199**	**7421**	**168**	**7011**	**169**	**-0.96**
B. NPC	NAPS (2*220)	440	198	218	219	4.60	191	4.75	-0.16
	RAPS- B (2*220)	440	363	413	417	8.93	372	8.71	0.22
	RAPS- C (2*220)	440	210	231	236	4.92	205	5.04	-0.13
	Sub Total (B)	**1320**	**771**	**862**	**872**	**18.44**	**769**	**18.50**	**-0.06**
C. NHPC	Chamera I HPS (3*180)	540	541	546	556	13.27	553	12.96	0.31
	Chamera II HPS (3*100)	300	301	309	25	5.39	224	5.05	0.34
	Chamera III HPS (3*77)	231	155	160	155	3.67	153	3.60	0.07
	Bairasuil HPS(3*60)	180	179	185	171	4.22	176	4.00	0.22
	Salal-HPS (6*115)	690	490	559	516	12.94	539	11.76	1.18
	Tanakpur-HPS (3*31.4)	94	34	0	0	0.00	0	0.82	-0.82
	Uri-I HPS (4*120)	480	464	474	480	11.30	471	11.14	0.16
	Uri-II HPS (4*60)	240	237	239	240	5.72	238	5.69	0.03
	Dhauliganga-HPS (4*70)	280	280	285	0	1.38	58	1.30	0.09
	Dulhasti-HPS (3*130)	390	387	406	274	6.19	258	6.00	0.19
	Sewa-II HPS (3*40)	120	124	130	129	3.12	130	2.98	0.14
	Parbati 3 (4*130)	520	260	265	0	0.80	33	0.78	0.02
	Sub Total (C)	**4065**	**3452**	**3559**	**2545**	**68**	**2834**	**66**	**1.93**
D.SJVNL	NJPC (6*250)	1500	1605	1612	0	9.74	406	9.78	-0.04
	Rampur HEP (6*68.67)	412	442	443	0	2.76	115	2.81	-0.05
	Sub Total (D)	**1912**	**2047**	**2055**	**0**	**12.50**	**521**	**12.58**	**-0.09**
E. THDC	Tehri HPS (4*250)	1000	490	490	0	5.30	221	5.30	0.00
	Koteshwar HPS (4*100)	400	104	203	91	2.53	106	2.50	0.03
	Sub Total (E)	**1400**	**594**	**693**	**91**	**7.83**	**326**	**7.80**	**0.03**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	282	296	258	6.76	282	6.78	-0.01
	Dehar HPS (6*165)	990	366	495	435	8.96	373	8.78	0.18
	Pong HPS (6*66)	396	24	165	0	0.57	24	0.58	-0.01
	Sub Total (F)	**2765**	**672**	**956**	**693**	**16.30**	**679**	**16.14**	**0.16**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	73	0	0.76	31	0.91	-0.16
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	800	0	5.38	224	5.45	-0.07
	Malana Stg-II HPS (2*50)	100	0	0	0	0.40	17	0.42	-0.03
	Shree Cement TPS (2*150)	300	0	116	110	2.68	112	2.51	0.17
	Budhil HPS(IPP) (2*35)	70	0	36	0	0.55	23	0.61	-0.06
	Sub Total (G)	**1662**	**0**	**1024**	**110**	**9.76**	**407**	**9.91**	**-0.15**
H. Total Regional Entities (A-G)		**25897**	**18202**	**18348**	**11732**	**301.11**	**12546**	**300.24**	**0.87**

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	-0.08	-3

	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1
	Rajpura (2*700)	1400	660	660	15.24	635
	Talwandi Saboo (3*660)	1980	900	950	22.75	948
	Thermal (Total)	**6560**	**1560**	**1610**	37.75	**1573**
	Total Hydro	1000	202	128	2.98	124
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.22	9
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**0**	**0**	**0.30**	**12**
	Total Punjab	**8408**	**1762**	**1738**	**41.03**	**1709**
Haryana	Panipat TPS (2*210+2*250)	920	238	219	5.31	221
	DCRTPP (Yamuna nagar) (2*300)	600	278	440	7.76	324
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4497**	**516**	**659**	**13.07**	**545**
	Total Hydro	62	24	26	0.60	25
	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**	**540**	**685**	**13.67**	**570**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	348	309	7.61	317
	suratgarh TPS (6*250)	1500	202	180	4.61	192
	Chabra TPS (4*250)	1000	826	836	20.75	865
	Chabra TPS (1*660)	660	545	270	9.80	408
	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	194	63	3.84	160
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.31	180
	Barsingsar (NLC) (2*125)	250	114	103	2.52	105
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	723	669	15.71	654
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	0	438	6.34	264
	Kawai(Adani) (2*660)	1320	545	574	13.38	557
	Thermal (Total)	**9536**	**3691**	**3636**	**88.86**	**3702**
	Total Hydro	550	21	20	0.50	21
	Wind power	4017	110	357	5.19	216
	Biomass	99	29	29	0.69	29
	Solar	1295	1	0	0.43	18
	Renewable/Others (Total)	5411	140	386	6.31	263
	Total Rajasthan	**15497**	**3852**	**4042**	**95.67**	**3986**
UP	Anpara TPS (3*210+2*500)	1630	1075	1081	23.60	983
	Obra TPS (2*50+2*94+5*200)	1194	677	674	14.90	621
	Paricha TPS (2*110+2*220+2*250)	1160	854	914	18.30	763
	Panki TPS (2*105)	210	149	140	3.40	142
	Harduaganj TPS (1*60+1*105+2*250)	665	513	542	11.10	463
	Tanda TPS (NTPC) (4*110)	440	279	285	5.98	249
	Roza TPS (IPP) (4*300)	1200	825	837	16.60	692
	Anpara-C (IPP) (2*600)	1200	630	630	15.20	633
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	359	340	7.50	313
	Anpara-D(2*500)	1000	822	830	17.70	738
	Lalitpur TPS(3*660)	1980	1172	1186	22.60	942
	Bara(2*660)	1320	542	572	11.70	488
	Thermal (Total)	**12449**	**7897**	**8031**	**168.58**	**7024**
	Vishnuparyag HPS (IPP)(4*110)	440	0	108	2.20	92
	Alaknanada(4*82.5)	330	84	84	2.01	84
	Other Hydro	527	124	64	1.20	50
	Cogeneration	981	600	600	14.40	600
	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**	**8705**	**8887**	**188.39**	**7850**
Uttarakhand	Other Hydro	1250	427	426	9.31	388
	Total Gas	225	268	282	6.49	271
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.58	24
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.58	24
	Total Uttarakhand	**1802**	**695**	**708**	**16.38**	**682**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	33	35	0.89	37
	Pragati Gas Turbine (2x104+ 1x122)	330	150	149	3.74	156
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.01	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	170	170	4.01	167
	Thermal (Total)	**2917**	**603**	**604**	**14.64**	**610**
	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**	**603**	**604**	**14.64**	**610**
HP	Baspa HPS (IPP) (3*100)	300	31	0	1.41	59
	Malana HPS (IPP) (2*43)	86	40	0	0.53	22
	Other Hydro (>25MW)	372	405	365	9.19	383
	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	213	197	4.82	201
	Renewable(Total)	**486**	**213**	**197**	**4.82**	**201**
	Total HP	**1244**	**690**	**562**	**15.95**	**665**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	593	744	14.56	606
	Other Hydro/IPP(including 98 MW Small Hydro)	308	136	120	2.86	119
	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**	**729**	**864**	**17**	**726**
Total State Control Area Generation		**50738**	**17576**	**18090**	**403.14**	**16798**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7999**	**7094.86**	**181.24**	**7552**
Total Regional Availability(Gross)		**76635**	**43923**	**36916**	**885.49**	**36895**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9008**	**3984**	**115.70**	**4821**
State Control Area Hydro	**7163**	**2569**	**2564**	**52.17**	**2468**
Total Regional Hydro	**19397**	**11576**	**6548**	**167.87**	**7289**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.00**	**0**
State Control Area Renewable	**7356**	**353**	**583**	**12.00**	**500**
Total Regional Renewable	**7386**	**353**	**583**	**12.00**	**500**

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)	-350	-250	0	350	0.00	7.76	-7.76
765 KV Gwalior-Agra (D/C)	2053	2097	2620	0	53.42	0.00	53.42
400 KV Zerda-Kankroli	-9	-131	17	144	0.00	1.35	-1.35
400 KV Zerda-Bhinmal	31	-91	119	103	0.00	0.02	-0.02
220 KV Auraiya-Malanpur	3	-28	0	35	0.00	0.10	-0.10
220 KV Badod-Kota/Morak	35	-7	58	-24	0.55	0.00	0.55
Mundra-Mohindergarh(HVDC Bipole)	1798	1702	1805	0	35.25	0.00	35.25
400 KV RAPPC-Sujalpur	376	225	389	0	7.22	0.00	7.22
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1377	1082	1524	0	30.97	0.00	30.97
+/- 800 kV HVDC Champa-Kurushetra	600	330	600	0	17.48	0	17.48
Sub Total WR	**5914**	**4929**			**144.89**	**9.23**	**135.66**
400 kV Sasaram - Varanasi	162	144	162	0	3.50	0.00	3.50
400 kV Sasaram - Allahabad	-23	-2	22	0	0.00	0.01	-0.01
400 KV MZP- GKP (D/C)	-85	232	262	243	1.15	0.00	1.15
400 KV Patna-Balia(D/C) X 2	485	438	640	0	13.78	0.00	13.78
400 KV B'Sharif-Balia (D/C)	44	38	82	90	0.00	0.04	-0.04
765 KV Gaya-Balia	264	169	289	0	4.67	0.00	4.67
765 KV Gaya-Varanasi (D/C)	176	189	369	0	4.12	0.00	4.12
220 KV Pusauli-Sahupuri	240	214	240	0	4.66	0.00	4.66
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-20	-24	0	38	0.00	0.60	-0.60
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-298	-194	0	298	0.00	4.14	-4.14
400 KV Barh -GKP (D/C)	462	388	510	0	9.89	0.00	9.89
400 kV B'Sharif - Varanasi (D/C)	178	84	0	219	0.00	2.79	-2.79
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1585**	**1676**			**41.77**	**7.58**	**34.19**
+/- 800 KV HVDC BiswanathCharialli-Agra	500	490	500	0.00	11.39	0.00	11.39
Sub Total NER	**500**	**490**			**11.39**	**0.00**	**11.39**
Total IR Exch	**7999**	**7095**			**198.05**	**16.81**	**181.24**

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**
37.76	0.72	38.48	-0.63	-1.51	-3.13	2.45	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**
34.72	146.07	180.79	45.58	135.66	181.24	10.85	-10.40	0.45

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	0	0	0	0	0	0	0.00

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	12.74	60.11	74.98	10.34	2.03	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)	
50.17	17.33	49.70	14.12	49.88	0.049	0.066	50.07	49.86	25.02

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	411	8:05	401	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	7:59	389	18:52	0.0	0.4	1.6	0.0	1.6
Bareilly(PG)400kV	400	423	7:59	388	18:53	0.0	0.7	1.5	0.0	1.5
Kanpur	400	419	7:06	389	19:05	0.0	0.1	0.0	0.0	0.0
Dadri	400	426	8:01	404	19:03	0.0	0.0	18.2	0.0	18.2
Ballabhgarh	400	423	7:51	399	19:05	0.0	0.0	10.1	0.0	10.1
Bawana	400	426	8:00	400	19:06	0.0	0.0	22.7	0.0	22.7
Bassi	400	422	2:27	402	19:10	0.0	0.0	5.5	0.0	5.5
Hissar	400	422	2:27	397	19:08	0.0	0.0	5.2	0.0	5.2
Moga	400	425	2:54	401	19:13	0.0	0.0	11.3	0.0	11.3
Abdullapur	400	429	2:28	401	19:06	0.0	0.0	39.1	0.0	39.1
Nalagarh	400	433	2:32	409	18:57	0.0	0.0	60.3	7.2	60.3
Kishenpur	400	419	3:11	400	18:55	0.0	0.0	0.0	0.0	0.0
Wagoora	400	401	3:40	374	19:15	20.5	74.5	0.0	0.0	20.5
Amritsar	400	432	2:54	408	18:50	0.0	0.0	40.2	3.6	40.2
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	414	0:00	414	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	0	0:00	0	0:00	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

Station	Voltage Level (KV)	Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	ge Deviat
Fatehpur	765	780	6:16	732	18:53	0.0	3.7	0.0	0.0	0.0
Balia	765	788	7:59	731	18:52	0.0	2.5	0.0	0.0	0.0
Moga	765	803	2:53	760	19:06	0.0	0.0	4.1	0.0	4.1
Agra	765	795	7:59	749	19:06	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	7:55	779	19:39	0.0	0.0	24.3	0.0	24.3
Unnao	765	784	8:00	729	18:53	0.0	4.4	0.0	0.0	0.0
Lucknow	765	800	8:02	737	18:53	0.0	1.2	0.0	0.0	0.0
Meerut	765	811	7:59	747	18:59	0.0	0.0	15.1	0.0	15.1
Jhatikara	765	809	8:02	763	19:05	0.0	0.0	15.8	0.0	15.8
Bareilly 765 kV	765	805	7:59	769	11:46	0.0	0.0	2.6	0.0	2.6
Anta	765	796	2:30	771	19:07	0.0	0.0	0.0	0.0	0.0
Phagi	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	464.93	191.18	479.67	454.47	376.84	225.85
Pong	426.72	384.05	396.86	157.28	395.78	136.17	115.76	42.48
Tehri	829.79	740.04	759.75	118.67	750.40	52.50	92.86	167.00
Koteshwar	612.50	598.50	610.80	5.00	611.50	5.33	167.00	166.97
Chamera-I	760.00	748.75	754.16	0.00	0.00	0.00	416.46	359.28
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	510.10	0.59	496.60	5.88	249.93	27.50

*** 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	-97	0	0	-97	0	0	-2.34	0.00	-2.34
Delhi	-257	-84	0	-250	-22	0	-4.18	-0.59	-4.77
Haryana	32	312	0	32	246	0	-1.65	5.70	4.05
HP	80	-127	0	76	-1008	0	1.90	-8.58	-6.68
J&K	-46	-228	0	-46	-267	0	-1.10	-3.98	-5.09
CHD	0	-20	0	0	-10	0	0.00	-0.02	-0.02
Rajasthan	24	446	0	28	388	0	0.54	10.14	10.68
UP	67	-56	0	104	150	0	1.77	1.18	2.94
Uttarakhand	210	-160	0	116	30	0	4.90	-1.41	3.49
Total	**13**	**84**	**0**	**-37**	**-493**	**0**	**-0.16**	**2.43**	**2.27**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-97	-98	0	0	0	0
Delhi	-78	-401	156	-302	0	0
Haryana	32	-170	314	-35	0	0
HP	82	76	-116	-1135	0	0
J&K	-46	-46	-51	-267	0	0
CHD	0	0	30	-30	0	0
Rajasthan	34	12	446	383	0	0
UP	104	25	976	-56	0	0
Uttarakhand	243	116	154	-274	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	18
Haryana	0	11
Rajasthan	3	16
Delhi	6	71
UP	0	9
Uttarakhand	5	65
HP	4	39
J & K	4	27
Chandigarh	3	21

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 08.04.2017 :

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 : 08.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER