पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.04.2017

Date of Reporting : 18.04.2017

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
46551	488	47039	49.98	41607	364	41971	50.02	975.11	12.80

* 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	53.80	2.85	0.28	56.93	65.01	63.75	-1.26	120.68	0.00
Haryana	27.19	0.67	0.00	27.86	96.33	96.25	-0.08	124.12	0.00
Rajasthan	92.49	0.15	27.86	120.50	68.71	69.40	0.69	189.90	0.00
Delhi	16.85		0.00	16.85	81.72	82.21	0.49	99.06	0.15
UP	177.98	10.30	0.00	188.29	145.35	147.60	2.25	335.89	0.00
Uttarakhand		14.00	0.00	20.13	16.34	16.01	-0.33	36.15	0.00
HP		16.66	5.41	16.66	6.92	8.32	1.40	24.98	0.00
J & K		20.63	0.00	20.63	20.18	18.79	-1.38	39.42	12.65
Chandigarh				0.00	4.90	4.92	0.03	4.92	0.00
Total	**368.31**	**65.26**	**33.55**	**467.85**	**505.46**	**507.27**	**1.80**	**975.11**	12.80

* 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	5766	0	136	-50	5354	0	7	148	6007	21:00	0
Haryana	6724	0	-63	340	5674	0	-45	333	6878	22:00	7
Rajasthan	8205	0	-272	141	7872	0	2	402	8784	23:00	0
Delhi	4375	8	-31	-332	3912	0	131	-258	4845	17:00	0
UP	16380	0	378	2052	15062	0	-67	2021	16809	21:00	0
Uttarakhand	1829	0	-129	205	1336	0	31	-51	1917	19:00	0
HP	1113	0	238	-1346	790	0	140	-607	1262	11:00	0
J&K	1920	480	250	-387	1455	364	-146	-323	1920	20:00	480
Chandigarh	239	0	19	-15	153	0	-8	0	249	15:00	0
Total	**46551**	**488**	**527**	**608**	**41607**	**364**	**45**	**1664**	**47434**	**21:00**	**476**

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

Diversity is 1.03

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	1625	1768	1649	38.06	1586	37.47	0.59
	Rihand I STPS (2*500)	1000	937	962	820	20.61	859	20.27	0.34
	Rihand II STPS (2*500)	1000	480	508	420	10.60	442	10.27	0.32
	Rihand III STPS (2*500)	1000	970	1005	847	21.05	877	20.80	0.25
	Dadri I STPS (4*210)	840	815	585	474	11.68	487	12.38	-0.70
	Dadri II STPS (2*490)	980	980	910	767	18.19	758	19.10	-0.91
	Unchahar I TPS (2*210)	420	392	365	287	6.81	284	7.30	-0.49
	Unchahar II TPS (2*210)	420	405	356	281	6.79	283	7.31	-0.52
	Unchahar III TPS (1*210)	210	203	214	148	3.47	145	3.70	-0.23
	Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1275	511	810	14.05	585	14.72	-0.67
	Dadri GPS (4*130.19+2*154.51)	830	779	168	157	3.63	151	3.97	-0.34
	Anta GPS (3*88.71+1*153.2)	419	382	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	639	135	142	3.27	136	3.44	-0.17
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	2	0	0	0.01	0	0.05	-0.04
	KHEP(4*200)	800	872	869	412	9.10	379	8.50	0.60
	Sub Total (A)	**12772**	**10759**	**8356**	**7214**	**167**	**6974**	**169**	**-1.97**
B. NPC	NAPS (2*220)	440	388	412	430	9.28	387	9.31	-0.03
	RAPS- B (2*220)	440	362	402	407	8.66	361	8.69	-0.03
	RAPS- C (2*220)	440	210	230	230	4.77	199	5.04	-0.27
	Sub Total (B)	**1320**	**960**	**1044**	**1067**	**22.72**	**947**	**23.04**	**-0.32**
C. NHPC	Chamera I HPS (3*180)	540	535	554	548	13.18	549	12.83	0.34
	Chamera II HPS (3*100)	300	301	310	305	7.33	305	7.22	0.11
	Chamera III HPS (3*77)	231	231	230	236	5.57	232	5.55	0.02
	Bairasuil HPS(3*60)	180	179	184	181	4.35	181	4.29	0.06
	Salal-HPS (6*115)	690	613	669	648	15.87	661	14.71	1.16
	Tanakpur-HPS (3*31.4)	94	30	30	30	0.80	33	0.72	0.08
	Uri-I HPS (4*120)	480	475	479	480	11.57	482	11.40	0.17
	Uri-II HPS (4*60)	240	237	239	239	5.72	238	5.69	0.02
	Dhauliganga-HPS (4*70)	280	280	277	0	2.58	108	2.45	0.13
	Dulhasti-HPS (3*130)	390	387	403	398	9.42	392	9.30	0.12
	Sewa-II HPS (3*40)	120	126	132	132	3.14	131	3.02	0.11
	Parbati 3 (4*130)	520	260	261	0	2.31	96	2.28	0.04
	Sub Total (C)	**4065**	**3654**	**3768**	**3196**	**82**	**3410**	**79**	**2.36**
D.SJVNL	NJPC (6*250)	1500	1605	1613	410	25.03	1043	24.38	0.65
	Rampur HEP (6*68.67)	412	442	444	108	7.08	295	6.79	0.29
	Sub Total (D)	**1912**	**2047**	**2057**	**518**	**32.11**	**1338**	**31.17**	**0.94**
E. THDC	Tehri HPS (4*250)	1000	395	311	0	5.35	223	5.30	0.05
	Koteshwar HPS (4*100)	400	104	205	90	2.54	106	2.50	0.04
	Sub Total (E)	**1400**	**499**	**516**	**90**	**7.89**	**329**	**7.80**	**0.09**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	294	440	293	7.29	304	7.05	0.24
	Dehar HPS (6*165)	990	569	660	330	13.89	579	13.66	0.23
	Pong HPS (6*66)	396	22	165	0	0.55	23	0.54	0.01
	Sub Total (F)	**2765**	**885**	**1265**	**623**	**21.72**	**905**	**21.24**	**0.48**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	188	96	2.83	118	2.50	0.33
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	450	13.91	580	13.34	0.57
	Malana Stg-II HPS (2*50)	100	0	112	60	1.26	52	1.18	0.08
	Shree Cement TPS (2*150)	300	0	145	110	2.66	111	2.69	-0.03
	Budhil HPS(IPP) (2*35)	70	0	36	36	0.85	35	0.90	-0.05
	Sub Total (G)	**1662**	**0**	**1582**	**752**	**21.50**	**896**	**20.60**	**0.89**
H. Total Regional Entities (A-G)		**25897**	**18804**	**18587**	**13460**	**355.15**	**14798**	**352.67**	**2.48**

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	420	320	7.81	325
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	726	725	14.36	598

	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	380	330	8.59	358
	Talwandi Saboo (3*660)	1980	816	1200	23.04	960
	Thermal (Total)	**6560**	**2342**	**2575**	53.80	**2241**
	Total Hydro	1000	178	105	2.85	119
	Wind Power	0	0	0	0.00	0
	Biomass	288	9	9	0.21	9
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**9**	**9**	**0.28**	**12**
	Total Punjab	**8408**	**2529**	**2689**	**56.93**	**2372**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	516	226	6.93	289
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	514	373	9.69	404
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	576	410	10.58	441
	Thermal (Total)	**4497**	**1606**	**1009**	**27.19**	**1133**
	Total Hydro	62	10	31	0.67	28
	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**	**1616**	**1040**	**27.86**	**1161**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	524	472	10.74	448
	suratgarh TPS (6*250)	1500	180	179	4.46	186
	Chabra TPS (4*250)	1000	910	1091	23.39	975
	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	203	183	4.99	208
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.22	176
	Barsingsar (NLC) (2*125)	250	155	195	4.31	180
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	653	449	15.39	641
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	648	418	11.91	496
	Kawai(Adani) (2*660)	1320	612	436	13.08	545
	Thermal (Total)	**9536**	**4075**	**3613**	**92.49**	**3854**
	Total Hydro	550	21	21	0.15	6
	Wind power	4017	973	1467	26.85	1119
	Biomass	99	35	35	0.84	35
	Solar	1295	1	0	0.17	7
	Renewable/Others (Total)	5411	1009	1502	27.86	1161
	Total Rajasthan	**15497**	**5105**	**5136**	**120.50**	**5021**
UP	Anpara TPS (3*210+2*500)	1630	935	932	21.01	876
	Obra TPS (2*50+2*94+5*200)	1194	477	629	13.16	548
	Paricha TPS (2*110+2*220+2*250)	1160	874	813	18.74	781
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	431	219	6.19	258
	Tanda TPS (NTPC) (4*110)	440	289	277	6.60	275
	Roza TPS (IPP) (4*300)	1200	995	828	19.49	812
	Anpara-C (IPP) (2*600)	1200	643	779	18.15	756
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	815	822	19.56	815
	Lalitpur TPS(3*660)	1980	1187	1184	27.14	1131
	Bara(2*660)	1320	579	576	13.53	564
	Thermal (Total)	**12449**	**7225**	**7059**	**163.58**	**6816**
	Vishnuparyag HPS (IPP)(4*110)	440	276	197	4.88	203
	Alaknanada(4*82.5)	330	84	85	2.76	115
	Other Hydro	527	124	64	2.66	111
	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**	**8309**	**8005**	**188.29**	**7845**
Uttarakhand	Other Hydro	1250	630	582	14.00	583
	Total Gas	225	272	272	5.54	231
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.59	25
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.59	25
	Total Uttarakhand	**1802**	**902**	**854**	**20.13**	**839**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	31	33	0.84	35
	Pragati Gas Turbine (2x104+ 1x122)	330	143	152	3.61	150
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	293	249	6.33	264
	Badarpur TPS (NTPC) (3*95+2*210)	705	327	171	6.08	253
	Thermal (Total)	**2917**	**794**	**605**	**16.85**	**702**
	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**	**794**	**605**	**16.85**	**702**
HP	Baspa HPS (IPP) (3*100)	300	213	213	3.87	161
	Malana HPS (IPP) (2*43)	86	86	86	1.21	50
	Other Hydro (>25MW)	372	273	287	6.17	257
	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	166	151	5.41	225
	Renewable(Total)	**486**	**166**	**151**	**5.41**	**225**
	Total HP	**1244**	**738**	**737**	**16.66**	**694**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	744	742	17.77	740
	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**	**880**	**862**	**21**	**860**
Total State Control Area Generation		**50738**	**20873**	**19928**	**467.85**	**19494**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**8790**	**9978**	**180.71**	**7530**
Total Regional Availability(Gross)		**76635**	**48250**	**43365**	**1003.71**	**41821**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9875**	**5445**	**170.64**	**7110**
State Control Area Hydro	**7163**	**3213**	**2956**	**65.26**	**2975**
Total Regional Hydro	**19397**	**13088**	**8401**	**235.90**	**10085**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.07**	**3**
State Control Area Renewable	**7356**	**1184**	**1662**	**34.15**	**1423**
Total Regional Renewable	**7386**	**1184**	**1662**	**34.22**	**1426**

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)	-500	-200	0	500	0.00	8.88	-8.88
765 KV Gwalior-Agra (D/C)	2562	2761	2761	0	48.48	0.00	48.48
400 KV Zerda-Kankroli	-98	-150	0	344	0.00	5.32	-5.32
400 KV Zerda-Bhinmal	-76	-132	0	267	0.00	4.04	-4.04
220 KV Auraiya-Malanpur	-43	-32	0	80	0.00	0.88	-0.88
220 KV Badod-Kota/Morak	-2	19	48	52	0.00	0.63	-0.63
Mundra-Mohindergarh(HVDC Bipole)	2002	2003	2505	0	50.20	0.00	50.20
400 KV RAPPC-Sujalpur	262	260	326	0	6.07	0.00	6.07
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1205	1252	1298	0	24.85	0.00	24.85
+/- 800 kV HVDC Champa-Kurushetra	1500	1000	1500	0	24.50	0	24.50
Sub Total WR	**6812**	**6781**			**154.10**	**19.74**	**134.36**
400 kV Sasaram - Varanasi	142	120	150	0	3.08	0.00	3.08
400 kV Sasaram - Allahabad	1	25	26	9	0.14	0.00	0.14
400 KV MZP- GKP (D/C)	-156	357	357	341	0.16	0.00	0.16
400 KV Patna-Balia(D/C) X 2	503	699	699	0	14.41	0.00	14.41
400 KV B'Sharif-Balia (D/C)	-33	167	167	33	1.22	0.00	1.22
765 KV Gaya-Balia	182	343	349	0	6.55	0.00	6.55
765 KV Gaya-Varanasi (D/C)	261	483	483	0	6.58	0.00	6.58
220 KV Pusauli-Sahupuri	235	197	238	0	5.25	0.00	5.25
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-21	-26	0	27	0.00	0.59	-0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-323	-157	0	323	0.00	4.20	-4.20
400 KV Barh -GKP (D/C)	540	526	550	0	11.31	0.00	11.31
400 kV B'Sharif - Varanasi (D/C)	145	-36	36	158	0.00	1.66	-1.66
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1476**	**2698**			**49.18**	**6.44**	**42.74**
+/- 800 KV HVDC BiswanathCharialli-Agra	502	499	502	0.00	3.62	0.00	3.62
Sub Total NER	**502**	**499**			**3.62**	**0.00**	**3.62**
Total IR Exch	**8790**	**9978**			**206.90**	**26.18**	**180.71**

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**
42.50	0.55	43.06	0.08	2.12	-8.18	1.28	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**
34.96	138.97	173.93	46.36	134.36	180.71	11.39	-4.61	6.78

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	-27	-29	0	30	0	1	-0.67

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	1.19	12.84	62.22	74.02	11.82	1.37	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)	
50.16	11.02	49.72	21.12	49.97	0.053	0.068	50.08	49.81	25.98

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	409	5:02	402	19:10	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	9:03	389	20:24	0.0	0.1	0.0	0.0	0.0
Bareilly(PG)400kV	400	416	9:02	388	19:11	0.0	1.8	0.0	0.0	0.0
Kanpur	400	417	8:34	392	19:25	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	7:23	399	19:23	0.0	0.0	0.1	0.0	0.1
Ballabhgarh	400	421	7:03	395	19:23	0.0	0.0	3.0	0.0	3.0
Bawana	400	420	7:02	394	19:29	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	7:59	394	19:23	0.0	0.0	0.0	0.0	0.0
Hissar	400	416	7:58	392	19:28	0.0	0.0	0.0	0.0	0.0
Moga	400	416	7:56	398	19:29	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	419	9:02	394	19:23	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	419	7:09	402	19:25	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	410	13:00	398	19:29	0.0	0.0	0.0	0.0	0.0
Wagoora	400	402	3:28	375	6:45	4.3	46.9	0.0	0.0	4.3
Amritsar	400	421	13:00	405	19:22	0.0	0.0	0.4	0.0	0.4
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	414	0:00	403	22:38	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	5:00	387	20:21	0.0	2.1	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	791	7:59	742	19:11	0.0	0.0	0.0	0.0	0.0
Balia	765	786	9:01	744	19:09	0.0	0.0	0.0	0.0	0.0
Moga	765	798	8:01	758	19:25	0.0	0.0	0.0	0.0	0.0
Agra	765	800	8:02	745	19:20	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	784	16:28	770	0:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	793	13:01	732	19:04	0.0	6.3	0.0	0.0	0.0
Lucknow	765	791	9:01	742	19:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	807	7:58	753	19:22	0.0	0.0	6.8	0.0	6.8
Jhatikara	765	805	8:02	756	19:22	0.0	0.0	5.0	0.0	5.0
Bareilly 765 kV	765	779	23:48	748	18:52	0.0	0.0	0.0	0.0	0.0
Anta	765	797	8:00	769	21:19	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	466.40	212.85	478.47	427.60	378.62	242.14
Pong	426.72	384.05	397.07	162.91	395.53	136.17	87.75	47.03
Tehri	829.79	740.04	756.50	94.76	745.65	29.00	114.81	173.00
Koteshwar	612.50	598.50	610.61	4.95	611.20	5.20	173.00	167.46
Chamera-I	760.00	748.75	754.38	0.00	0.00	0.00	376.90	357.54
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	513.40	0.80	496.11	1.54	301.43	25.26

*** 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	-50	199	0	-50	0	0	-1.21	-0.66	-1.87
Delhi	-274	16	0	-259	-73	0	-5.30	1.97	-3.33
Haryana	132	201	0	132	208	0	0.74	2.05	2.79
HP	-66	-541	0	-116	-1230	0	-1.64	-13.39	-15.03
J&K	-147	-176	0	-147	-241	0	-3.52	-3.16	-6.67
CHD	0	0	0	0	-15	0	0.00	0.15	0.15
Rajasthan	25	377	0	-101	243	0	0.37	6.57	6.93
UP	725	1296	0	1071	982	0	8.20	10.61	18.81
Uttarakhand	290	-341	0	161	44	0	6.32	-2.49	3.83
Total	**635**	**1030**	**0**	**689**	**-82**	**0**	**3.95**	**1.65**	**5.60**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-50	-50	206	-453	0	0
Delhi	-179	-274	320	-73	0	0
Haryana	132	-70	286	-439	0	0
HP	-41	-192	-193	-1230	0	0
J&K	-147	-147	0	-342	0	0
CHD	0	0	44	-20	0	0
Rajasthan	34	-104	377	-497	0	0
UP	1071	10	1587	-67	0	0
Uttarakhand	290	161	134	-358	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	**0.35%**

(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	2	17
Haryana	0	12
Rajasthan	6	29
Delhi	3	25
UP	3	45
Uttarakhand	3	20
HP	2	20
J & K	3	24
Chandigarh	5	65

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 17.04.2017 :

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

80MVAR New Bus Reactor first time charged at 18:23Hrs on 17.04.2017 at Mathura

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 : 17.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER