पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.04.2017

Date of Reporting : 28.04.2017

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
44023	1586	45609	50.01	43671	271	43942	49.99	980.03	9.84

* 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	40.83	10.23	0.31	51.36	77.94	77.14	-0.80	128.50	0.00
Haryana	37.03	0.56	0.00	37.59	98.38	96.32	-2.06	133.90	0.23
Rajasthan	86.40	0.00	27.96	114.36	70.58	70.38	-0.19	184.74	0.42
Delhi	19.19		0.00	19.19	80.73	79.85	-0.87	99.04	0.00
UP	185.86	10.44	0.00	196.29	131.41	132.40	0.99	328.69	0.00
Uttarakhand		12.91	0.00	17.50	19.05	18.95	-0.10	36.45	0.23
HP		13.72	4.92	13.72	9.54	11.86	2.32	25.58	0.00
J & K		19.56	0.00	19.56	19.14	18.55	-0.59	38.10	8.96
Chandigarh				0.00	5.15	5.02	-0.13	5.02	0.00
Total	**369.31**	**67.39**	**33.18**	**469.57**	**511.92**	**510.46**	**-1.46**	**980.03**	9.84

* 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	5868	0	23	-48	5347	0	-180	751	5949	6	0
Haryana	6441	0	-223	386	6814	0	-7	446	7166	1	0
Rajasthan	7231	0	-37	282	7818	0	31	-36	8520	24	0
Delhi	4304	0	-76	-200	4057	0	-3	-252	4851	17	0
UP	15335	1075	-126	1754	15539	0	60	1238	16133	2	0
Uttarakhand	1806	80	111	43	1499	0	-14	64	1806	20	80
HP	1087	0	131	-824	880	0	50	-519	1221	13	0
J&K	1722	431	-154	-342	1536	271	112	-553	1791	21	448
Chandigarh	229	0	-16	0	182	0	11	0	245	15	0
Total	**44023**	**1586**	**-366**	**1051**	**43671**	**271**	**59**	**1138**	**45926**	**1**	**269**

* 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	1635	1768	1767	39.27	1636	38.71	0.56
	Rihand I STPS (2*500)	1000	923	963	992	21.96	915	21.96	-0.01
	Rihand II STPS (2*500)	1000	473	514	518	11.57	482	11.24	0.33
	Rihand III STPS (2*500)	1000	864	1011	839	20.83	868	20.42	0.41
	Dadri I STPS (4*210)	840	815	632	651	15.11	629	15.92	-0.82
	Dadri II STPS (2*490)	980	980	782	993	20.35	848	20.87	-0.51
	Unchahar I TPS (2*210)	420	360	372	272	7.63	318	7.71	-0.08
	Unchahar II TPS (2*210)	420	404	428	329	8.50	354	8.75	-0.26
	Unchahar III TPS (1*210)	210	28	47	0	0.39	16	0.51	-0.12
	Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1440	1003	989	20.96	873	21.16	-0.20
	Dadri GPS (4*130.19+2*154.51)	830	753	172	139	3.56	148	3.83	-0.27
	Anta GPS (3*88.71+1*153.2)	419	384	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	429	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	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.01
	KHEP(4*200)	800	763	867	867	7.49	312	7.00	0.48
	Sub Total (A)	**12772**	**10256**	**8559**	**8356**	**178**	**7406**	**178**	**-0.46**
B. NPC	NAPS (2*220)	440	387	421	431	9.35	390	9.29	0.06
	RAPS- B (2*220)	440	362	406	410	8.73	364	8.69	0.04
	RAPS- C (2*220)	440	254	453	446	9.70	404	6.11	3.59
	Sub Total (B)	**1320**	**1003**	**1280**	**1287**	**27.78**	**1157**	**24.08**	**3.70**
C. NHPC	Chamera I HPS (3*180)	540	535	550	549	13.19	550	12.83	0.36
	Chamera II HPS (3*100)	300	301	310	307	5.76	240	5.47	0.29
	Chamera III HPS (3*77)	231	232	232	161	3.83	159	3.65	0.18
	Bairasuil HPS(3*60)	180	179	185	183	3.72	155	3.59	0.13
	Salal-HPS (6*115)	690	541	668	576	14.16	590	12.98	1.18
	Tanakpur-HPS (3*31.4)	94	30	34	31	0.91	38	0.73	0.18
	Uri-I HPS (4*120)	480	475	481	480	11.61	484	11.40	0.21
	Uri-II HPS (4*60)	240	237	242	240	5.74	239	5.69	0.04
	Dhauliganga-HPS (4*70)	280	280	280	0	2.29	96	2.42	-0.13
	Dulhasti-HPS (3*130)	390	383	405	397	9.12	380	9.13	-0.01
	Sewa-II HPS (3*40)	120	126	131	130	3.13	130	3.02	0.10
	Parbati 3 (4*130)	520	356	247	0	1.02	43	1.04	-0.02
	Sub Total (C)	**4065**	**3675**	**3765**	**3054**	**74**	**3103**	**72**	**2.51**
D.SJVNL	NJPC (6*250)	1500	1605	1176	758	20.93	872	20.55	0.39
	Rampur HEP (6*68.67)	412	442	344	221	6.05	252	5.73	0.32
	Sub Total (D)	**1912**	**2047**	**1520**	**979**	**26.98**	**1124**	**26.28**	**0.70**
E. THDC	Tehri HPS (4*250)	1000	462	454	0	5.92	247	5.90	0.02
	Koteshwar HPS (4*100)	400	120	303	96	2.95	123	2.88	0.07
	Sub Total (E)	**1400**	**582**	**757**	**96**	**8.87**	**369**	**8.78**	**0.09**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	461	952	357	11.78	491	11.07	0.72
	Dehar HPS (6*165)	990	354	495	330	8.71	363	8.50	0.21
	Pong HPS (6*66)	396	51	275	0	1.22	51	1.22	-0.01
	Sub Total (F)	**2765**	**866**	**1722**	**687**	**21.71**	**905**	**20.79**	**0.92**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	107	58	1.35	56	1.34	0.00
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	853	446	11.54	481	11.23	0.31
	Malana Stg-II HPS (2*50)	100	0	104	20	0.66	27	0.65	0.01
	Shree Cement TPS (2*150)	300	0	137	121	2.86	119	2.80	0.06
	Budhil HPS(IPP) (2*35)	70	0	3461	40	0.10	4	1.06	-0.95
	Sub Total (G)	**1662**	**0**	**4662**	**685**	**16.51**	**688**	**17.08**	**-0.57**
H. Total Regional Entities (A-G)		**25897**	**18430**	**22264**	**15144**	**354.05**	**14752**	**347.16**	**6.89**

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	8.00	333
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	100	2.40	100
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	705	590	14.98	624

	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	560	660	15.61	650
	Talwandi Saboo (3*660)	1980	0	0	-0.13	-6
	Thermal (Total)	**6560**	**1805**	**1670**	40.83	**1701**
	Total Hydro	1000	531	370	10.23	426
	Wind Power	0	0	0	0.00	0
	Biomass	288	10	10	0.23	10
	Solar	560	0	0	0.07	3
	Renewable(Total)	**848**	**10**	**10**	**0.31**	**13**
	Total Punjab	**8408**	**2346**	**2050**	**51.36**	**2140**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	271	467	7.30	304
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	758	768	18.95	790
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	490	600	10.79	449
	Thermal (Total)	**4497**	**1519**	**1835**	**37.03**	**1543**
	Total Hydro	62	15	22	0.56	23
	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**	**1534**	**1857**	**37.59**	**1566**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	158	307	4.72	197
	suratgarh TPS (6*250)	1500	197	184	4.73	197
	Chabra TPS (4*250)	1000	585	805	17.57	732
	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	188	196	4.74	197
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	213	224	4.75	198
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	506	496	14.61	609
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	876	832	21.74	906
	Kawai(Adani) (2*660)	1320	520	527	13.54	564
	Thermal (Total)	**9536**	**3243**	**3571**	**86.40**	**3600**
	Total Hydro	550	0	0	0.00	0
	Wind power	4017	417	1577	23.87	995
	Biomass	99	31	31	0.75	31
	Solar	1295	1	0	3.34	139
	Renewable/Others (Total)	5411	449	1608	27.96	1165
	Total Rajasthan	**15497**	**3692**	**5179**	**114.36**	**4765**
UP	Anpara TPS (3*210+2*500)	1630	1388	1391	31.85	1327
	Obra TPS (2*50+2*94+5*200)	1194	25	344	3.80	158
	Paricha TPS (2*110+2*220+2*250)	1160	677	905	17.34	723
	Panki TPS (2*105)	210	153	162	3.46	144
	Harduaganj TPS (1*60+1*105+2*250)	665	493	542	10.63	443
	Tanda TPS (NTPC) (4*110)	440	280	295	6.54	272
	Roza TPS (IPP) (4*300)	1200	1112	1112	23.95	998
	Anpara-C (IPP) (2*600)	1200	788	779	18.36	765
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	403	353	8.29	345
	Anpara-D(2*500)	1000	414	836	13.51	563
	Lalitpur TPS(3*660)	1980	1168	1175	25.34	1056
	Bara(2*660)	1320	581	579	13.20	550
	Thermal (Total)	**12449**	**7482**	**8473**	**176.26**	**7344**
	Vishnuparyag HPS (IPP)(4*110)	440	201	206	5.11	213
	Alaknanada(4*82.5)	330	84	84	2.11	88
	Other Hydro	527	153	148	3.21	134
	Cogeneration	981	400	400	9.60	400
	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**	**8320**	**9311**	**196.29**	**8179**
Uttarakhand	Other Hydro	1250	691	556	12.91	538
	Total Gas	225	183	157	4.11	171
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.49	21
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.49	21
	Total Uttarakhand	**1802**	**874**	**713**	**17.50**	**729**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	70	70	1.80	75
	Pragati Gas Turbine (2x104+ 1x122)	330	152	154	3.73	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	250	6.02	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	328	338	7.64	318
	Thermal (Total)	**2917**	**801**	**812**	**19.19**	**800**
	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**	**801**	**812**	**19.19**	**800**
HP	Baspa HPS (IPP) (3*100)	300	112	61	2.84	118
	Malana HPS (IPP) (2*43)	86	78	0	0.66	27
	Other Hydro (>25MW)	372	251	224	5.30	221
	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	237	206	4.92	205
	Renewable(Total)	**486**	**237**	**206**	**4.92**	**205**
	Total HP	**1244**	**679**	**492**	**13.72**	**572**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	739	736	17.72	738
	Other Hydro/IPP(including 98 MW Small Hydro)	308	94	66	1.84	77
	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**	**833**	**802**	**20**	**815**
Total State Control Area Generation		**50738**	**19078**	**21215**	**469.57**	**19565**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**8210**	**8397**	**169.65**	**7069**
Total Regional Availability(Gross)		**76635**	**49553**	**44756**	**993.27**	**41386**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9695**	**6208**	**153.06**	**6377**
State Control Area Hydro	**7163**	**3370**	**2837**	**67.39**	**3000**
Total Regional Hydro	**19397**	**13064**	**9044**	**220.45**	**9377**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.14**	**6**
State Control Area Renewable	**7356**	**696**	**1824**	**33.67**	**1403**
Total Regional Renewable	**7386**	**696**	**1824**	**33.82**	**1409**

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	-500	0	500	0.00	12.31	-12.31
765 KV Gwalior-Agra (D/C)	2838	2224	2838	0	45.94	0.00	45.94
400 KV Zerda-Kankroli	-14	-214	0	346	0.00	4.63	-4.63
400 KV Zerda-Bhinmal	-2	-204	64	211	0.00	3.38	-3.38
220 KV Auraiya-Malanpur	-10	-43	0	104	0.00	1.04	-1.04
220 KV Badod-Kota/Morak	58	11	115	-36	0.98	0.00	0.98
Mundra-Mohindergarh(HVDC Bipole)	2002	2301	2504	0	51.74	0.00	51.74
400 KV RAPPC-Sujalpur	277	120	289	0	4.10	0.00	4.10
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1276	1125	1276	0	23.43	0.00	23.43
+/- 800 kV HVDC Champa-Kurushetra	150	1500	1500	0	20.56	0	20.56
Sub Total WR	**6075**	**6320**			**146.75**	**21.37**	**125.37**
400 kV Sasaram - Varanasi	117	125	137	137	4.43	0.00	4.43
400 kV Sasaram - Allahabad	26	22	44	0	0.53	0.00	0.53
400 KV MZP- GKP (D/C)	164	359	388	0	6.10	0.00	6.10
400 KV Patna-Balia(D/C) X 2	707	692	843	0	16.18	0.00	16.18
400 KV B'Sharif-Balia (D/C)	192	174	279	0	3.52	0.00	3.52
765 KV Gaya-Balia	399	272	414	0	5.62	0.00	5.62
765 KV Gaya-Varanasi (D/C)	504	436	545	0	9.52	0.00	9.52
220 KV Pusauli-Sahupuri	229	201	234	0	4.20	0.00	4.20
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-33	0	42	0.00	0.69	-0.69
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-181	-98	60	267	0.00	2.09	-2.09
400 KV Barh -GKP (D/C)	524	496	536	0	10.54	0.00	10.54
400 kV B'Sharif - Varanasi (D/C)	-20	-69	0	114	0.00	1.28	-1.28
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**2635**	**2577**			**60.62**	**4.06**	**56.57**
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	0	750.00	0.00	12.29	-12.29
Sub Total NER	**-500**	**-500**			**0.00**	**12.29**	**-12.29**
Total IR Exch	**8210**	**8397**			**207.37**	**37.72**	**169.65**

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**
49.09	1.04	50.13	-1.01	-1.03	-8.07	2.40	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**
41.04	144.80	185.84	44.27	125.37	169.65	3.23	-19.43	-16.19

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	-0.65

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	0.01	3.45	27.45	71.05	64.10	7.49	0.98	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)	
50.20	6.01	49.70	14.27	49.95	0.089	0.079	50.09	49.76	35.90

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	408	7:45	401	19:07	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	8:02	395	21:20	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	6:54	396	0:20	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	8:01	401	0:00	0.0	0.0	0.0	0.0	0.0
Dadri	400	422	8:02	400	14:44	0.0	0.0	0.9	0.0	0.9
Ballabhgarh	400	423	8:03	397	14:52	0.0	0.0	2.0	0.0	2.0
Bawana	400	420	8:04	398	5:51	0.0	0.0	0.0	0.0	0.0
Bassi	400	419	18:02	397	23:05	0.0	0.0	0.0	0.0	0.0
Hissar	400	414	8:01	396	0:01	0.0	0.0	0.0	0.0	0.0
Moga	400	417	8:03	403	0:03	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	419	8:05	400	0:00	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	8:09	409	0:03	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	412	13:00	402	19:41	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	16:51	375	6:38	4.9	54.9	0.0	0.0	4.9
Amritsar	400	420	8:01	409	0:02	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	411	11:06	407	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	421	6:50	393	19:25	0.0	0.0	0.7	0.0	0.7

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	790	8:02	752	15:37	0.0	0.0	0.0	0.0	0.0
Balia	765	794	8:03	759	19:33	0.0	0.0	0.0	0.0	0.0
Moga	765	798	8:01	767	0:12	0.0	0.0	0.0	0.0	0.0
Agra	765	799	8:03	750	14:45	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	7:59	768	0:00	0.0	0.0	2.2	0.0	2.2
Unnao	765	782	7:46	741	19:33	0.0	0.4	0.0	0.0	0.0
Lucknow	765	802	8:02	762	19:33	0.0	0.0	1.0	0.0	1.0
Meerut	765	808	8:03	764	19:33	0.0	0.0	5.4	0.0	5.4
Jhatikara	765	806	8:03	764	14:52	0.0	0.0	2.0	0.0	2.0
Bareilly 765 kV	765	799	8:01	758	19:32	0.0	0.0	0.0	0.0	0.0
Anta	765	792	8:01	767	23:03	0.0	0.0	0.0	0.0	0.0
Phagi	765	793	7:56	763	22:48	9.7	9.7	0.0	0.0	9.7

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	470.64	277.56	476.37	381.25	683.26	412.75
Pong	426.72	384.05	396.64	151.67	394.53	116.59	70.34	90.70
Tehri	829.79	740.04	754.20	78.38	741.85	8.66	83.84	194.00
Koteshwar	612.50	598.50	610.87	4.95	607.69	3.96	194.00	195.14
Chamera-I	760.00	748.75	753.97	0.00	0.00	0.00	240.00	357.00
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	516.27	4.26	498.48	2.75	317.92	162.56

*** 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	-48	799	0	-48	0	0	-1.15	6.34	5.19
Delhi	-267	15	0	-242	42	0	-5.13	3.52	-1.61
Haryana	149	297	0	149	237	0	1.17	0.02	1.19
HP	-85	-435	0	-115	-708	0	-2.04	-12.17	-14.21
J&K	-163	-391	0	-163	-179	0	-3.90	-7.07	-10.97
CHD	0	0	0	0	0	0	0.00	0.39	0.39
Rajasthan	-8	-28	0	-110	392	0	-0.93	7.47	6.54
UP	817	421	0	1138	616	0	9.37	5.03	14.40
Uttarakhand	122	-57	0	184	-141	0	3.34	-1.88	1.45
Total	**517**	**621**	**0**	**793**	**258**	**0**	**0.73**	**1.65**	**2.37**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-48	-48	799	0	0	0
Delhi	-67	-267	623	-358	0	0
Haryana	149	-51	304	-489	0	0
HP	-38	-231	-255	-1107	0	0
J&K	-163	-163	-104	-491	0	0
CHD	0	0	70	0	0	0
Rajasthan	-8	-211	417	-262	0	0
UP	1138	45	1399	-68	0	0
Uttarakhand	292	116	10	-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	17
Haryana	2	27
Rajasthan	3	22
Delhi	2	25
UP	0	12
Uttarakhand	2	26
HP	2	17
J & K	1	20
Chandigarh	3	21

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 27.04.2017 :

XVI. Synchronisation of new generating units :

1. 500 MVA ICT at Azamgarh(UP) charged on No load at 1300 hrs

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 : 27.04.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER