पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.05.2017

Date of Reporting : 02.05.2017

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
45219	793	46012	50.05	41141	246	41387	50.02	976.63	13.75

* 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	31.69	15.76	0.36	47.81	83.20	83.95	0.75	131.76	0.00
Haryana	30.65	0.53	0.00	31.18	107.35	108.93	1.59	140.11	0.00
Rajasthan	99.18	0.42	17.13	116.73	72.59	74.80	2.21	191.53	0.82
Delhi	17.64		0.00	17.64	77.01	76.59	-0.42	94.23	0.04
UP	172.63	9.73	0.00	182.36	132.78	135.72	2.94	318.08	3.56
Uttarakhand		12.64	0.00	19.90	15.37	13.98	-1.39	33.88	0.00
HP		13.30	4.92	13.30	6.86	9.35	2.50	22.65	0.00
J & K		19.60	0.00	19.60	19.36	19.91	0.56	39.51	9.33
Chandigarh				0.00	5.36	4.89	-0.47	4.89	0.00
Total	**351.79**	**71.98**	**22.41**	**448.51**	**519.86**	**528.13**	**8.26**	**976.63**	13.75

* 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	5575	0	-10	386	5626	0	-193	1439	5971	23	0
Haryana	6548	0	-344	562	6229	0	274	516	7180	21	0
Rajasthan	7833	0	-39	259	7827	0	-112	325	9167	24	0
Delhi	4016	0	-202	247	3923	0	175	117	4675	24	0
UP	16370	305	129	1740	13984	0	-220	2080	17051	23	340
Uttarakhand	1703	0	35	31	1263	0	-107	13	1703	20	0
HP	999	0	-94	-996	722	0	101	-681	1146	8	0
J&K	1952	488	76	-346	1394	246	-49	-475	1952	20	488
Chandigarh	222	0	-37	0	174	0	-6	15	243	15	0
Total	**45219**	**793**	**-485**	**1882**	**41141**	**246**	**-137**	**3348**	**47885**	**24**	**306**

* 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	1640	1754	1785	35.83	1493	38.37	-2.54
	Rihand I STPS (2*500)	1000	923	898	980	21.33	889	21.71	-0.38
	Rihand II STPS (2*500)	1000	483	492	510	11.46	478	11.25	0.21
	Rihand III STPS (2*500)	1000	963	909	978	21.77	907	22.30	-0.53
	Dadri I STPS (4*210)	840	815	480	439	10.13	422	10.36	-0.24
	Dadri II STPS (2*490)	980	501	390	351	8.75	364	9.18	-0.43
	Unchahar I TPS (2*210)	420	350	362	268	6.30	263	6.43	-0.12
	Unchahar II TPS (2*210)	420	400	306	291	6.71	280	7.16	-0.45
	Unchahar III TPS (1*210)	210	200	163	144	3.26	136	3.46	-0.20
	Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1379	496	757	16.64	693	17.11	-0.47
	Dadri GPS (4*130.19+2*154.51)	830	770	215	143	3.52	147	3.65	-0.13
	Anta GPS (3*88.71+1*153.2)	419	385	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	539	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	0.06	3	0.07	0.00
	KHEP(4*200)	800	872	867	215	7.71	321	7.50	0.21
	Sub Total (A)	**12772**	**10225**	**7332**	**6861**	**154**	**6398**	**159**	**-5.07**
B. NPC	NAPS (2*220)	440	389	421	434	9.36	390	9.34	0.03
	RAPS- B (2*220)	440	362	402	409	8.70	363	8.69	0.02
	RAPS- C (2*220)	440	430	455	455	9.81	409	10.32	-0.52
	Sub Total (B)	**1320**	**1181**	**1278**	**1298**	**27.87**	**1161**	**28.34**	**-0.47**
C. NHPC	Chamera I HPS (3*180)	540	535	532	182	7.48	312	7.40	0.08
	Chamera II HPS (3*100)	300	301	308	304	5.88	245	5.80	0.08
	Chamera III HPS (3*77)	231	232	227	154	3.79	158	3.73	0.06
	Bairasuil HPS(3*60)	180	179	184	51	3.07	128	2.83	0.25
	Salal-HPS (6*115)	690	542	663	516	13.88	578	13.02	0.86
	Tanakpur-HPS (3*31.4)	94	33	38	32	0.84	35	0.78	0.06
	Uri-I HPS (4*120)	480	475	480	480	11.61	484	11.40	0.21
	Uri-II HPS (4*60)	240	237	239	241	5.72	238	5.69	0.03
	Dhauliganga-HPS (4*70)	280	280	209	0	2.17	91	2.10	0.07
	Dulhasti-HPS (3*130)	390	387	392	403	9.47	395	9.30	0.18
	Sewa-II HPS (3*40)	120	120	128	120	2.94	123	2.87	0.07
	Parbati 3 (4*130)	520	260	130	0	1.17	49	1.17	0.00
	Sub Total (C)	**4065**	**3580**	**3530**	**2484**	**68**	**2835**	**66**	**1.96**
D.SJVNL	NJPC (6*250)	1500	1605	1456	671	20.44	852	20.53	-0.09
	Rampur HEP (6*68.67)	412	442	436	211	5.87	245	5.73	0.15
	Sub Total (D)	**1912**	**2047**	**1892**	**882**	**26.31**	**1096**	**26.25**	**0.06**
E. THDC	Tehri HPS (4*250)	1000	352	277	0	5.14	214	5.20	-0.06
	Koteshwar HPS (4*100)	400	104	202	90	2.53	105	2.50	0.03
	Sub Total (E)	**1400**	**456**	**479**	**90**	**7.67**	**320**	**7.70**	**-0.03**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	687	1072	466	16.69	695	16.48	0.21
	Dehar HPS (6*165)	990	343	660	290	8.42	351	8.24	0.19
	Pong HPS (6*66)	396	106	275	55	2.53	105	2.54	-0.01
	Sub Total (F)	**2765**	**1136**	**2007**	**811**	**27.64**	**1152**	**27.26**	**0.38**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	69	47	1.28	53	1.34	-0.06
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1000	500	11.34	473	11.82	-0.47
	Malana Stg-II HPS (2*50)	100	0	100	20	0.53	22	0.54	-0.01
	Shree Cement TPS (2*150)	300	0	143	147	2.79	116	2.86	-0.07
	Budhil HPS(IPP) (2*35)	70	0	30	37	0.88	37	0.97	-0.09
	Sub Total (G)	**1662**	**0**	**1342**	**751**	**16.82**	**701**	**17.53**	**-0.71**
H. Total Regional Entities (A-G)		**25897**	**18625**	**17860**	**13177**	**327.90**	**13662**	**331.79**	**-3.89**

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	320	320	7.33	305
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	2.07	86
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	409	404	9.49	395

	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	510	330	12.91	538
	Talwandi Saboo (3*660)	1980	0	0	-0.07	-3
	Thermal (Total)	**6560**	**1329**	**1144**	31.69	**1321**
	Total Hydro	1000	646	684	15.76	657
	Wind Power	0	0	0	0.00	0
	Biomass	288	12	12	0.28	12
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**12**	**12**	**0.36**	**15**
	Total Punjab	**8408**	**1987**	**1840**	**47.81**	**1992**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	914	767	20.07	836
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	483	571	10.58	441
	Thermal (Total)	**4497**	**1397**	**1338**	**30.65**	**1277**
	Total Hydro	62	24	31	0.53	22
	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**	**1421**	**1369**	**31.18**	**1299**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	728	627	15.47	644
	suratgarh TPS (6*250)	1500	206	223	5.13	214
	Chabra TPS (4*250)	1000	812	826	20.47	853
	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	42	197	3.13	131
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	113	168	3.36	140
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	640	827	17.57	732
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1000	824	20.20	842
	Kawai(Adani) (2*660)	1320	564	615	13.86	578
	Thermal (Total)	**9536**	**4105**	**4307**	**99.18**	**4132**
	Total Hydro	550	36	0	0.42	17
	Wind power	4017	61	478	13.50	563
	Biomass	99	30	30	0.73	30
	Solar	1295	0	0	2.90	121
	Renewable/Others (Total)	5411	91	508	17.13	714
	Total Rajasthan	**15497**	**4232**	**4815**	**116.73**	**4864**
UP	Anpara TPS (3*210+2*500)	1630	1376	1327	31.16	1298
	Obra TPS (2*50+2*94+5*200)	1194	523	668	13.68	570
	Paricha TPS (2*110+2*220+2*250)	1160	903	647	16.86	703
	Panki TPS (2*105)	210	153	135	3.29	137
	Harduaganj TPS (1*60+1*105+2*250)	665	536	384	10.14	422
	Tanda TPS (NTPC) (4*110)	440	280	300	6.03	251
	Roza TPS (IPP) (4*300)	1200	1109	736	16.64	693
	Anpara-C (IPP) (2*600)	1200	716	718	16.63	693
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	282	7.00	292
	Anpara-D(2*500)	1000	420	391	9.38	391
	Lalitpur TPS(3*660)	1980	1157	383	19.69	821
	Bara(2*660)	1320	581	573	12.54	522
	Thermal (Total)	**12449**	**8159**	**6544**	**163.03**	**6793**
	Vishnuparyag HPS (IPP)(4*110)	440	197	192	4.59	191
	Alaknanada(4*82.5)	330	84	84	2.03	85
	Other Hydro	527	180	154	3.11	130
	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**	**9020**	**7374**	**182.36**	**7598**
Uttarakhand	Other Hydro	1250	571	481	12.64	527
	Total Gas	225	279	290	6.61	275
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.64	27
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.64	27
	Total Uttarakhand	**1802**	**850**	**771**	**19.90**	**829**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	0	0.56	24
	Pragati Gas Turbine (2x104+ 1x122)	330	149	158	3.79	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	249	251	6.10	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	328	7.19	299
	Thermal (Total)	**2917**	**759**	**736**	**17.64**	**735**
	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**	**759**	**736**	**17.64**	**735**
HP	Baspa HPS (IPP) (3*100)	300	60	221	2.80	117
	Malana HPS (IPP) (2*43)	86	70	17	0.54	22
	Other Hydro (>25MW)	372	210	213	5.05	210
	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	218	205	4.92	205
	Renewable(Total)	**486**	**218**	**205**	**4.92**	**205**
	Total HP	**1244**	**559**	**656**	**13.30**	**554**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	740	740	17.76	740
	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**	**834**	**806**	**20**	**817**
Total State Control Area Generation		**50738**	**19662**	**18367**	**448.51**	**18688**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**9597**	**10522**	**210.18**	**8758**
Total Regional Availability(Gross)		**76635**	**47118**	**42066**	**986.59**	**41108**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9944**	**5049**	**150.52**	**6272**
State Control Area Hydro	**7163**	**3410**	**3378**	**71.98**	**3301**
Total Regional Hydro	**19397**	**13354**	**8427**	**222.50**	**9573**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.14**	**6**
State Control Area Renewable	**7356**	**321**	**724**	**23.05**	**960**
Total Regional Renewable	**7386**	**321**	**724**	**23.19**	**966**

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)	-300	-300	50	500	0.05	7.18	-7.13
765 KV Gwalior-Agra (D/C)	2633	2666	2955	0	50.44	0.00	50.44
400 KV Zerda-Kankroli	-103	-185	0	428	0.00	5.77	-5.77
400 KV Zerda-Bhinmal	60	-148	0	386	0.00	4.00	-4.00
220 KV Auraiya-Malanpur	-25	0	0	72	0.00	0.67	-0.67
220 KV Badod-Kota/Morak	-17	85	88	-45	0.10	0.00	0.10
Mundra-Mohindergarh(HVDC Bipole)	1998	2499	2505	0	53.21	0.00	53.21
400 KV RAPPC-Sujalpur	367	250	367	0	5.63	0.00	5.63
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1030	1385	1393	0	26.74	0.00	26.74
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	32.15	0	32.15
Sub Total WR	**7143**	**7752**			**168.32**	**17.61**	**150.71**
400 kV Sasaram - Varanasi	109	113	130	0	2.62	0.00	2.62
400 kV Sasaram - Allahabad	35	24	91	0	0.80	0.00	0.80
400 KV MZP- GKP (D/C)	394	526	709	0	10.73	0.00	10.73
400 KV Patna-Balia(D/C) X 2	795	715	890	0	17.48	0.00	17.48
400 KV B'Sharif-Balia (D/C)	253	343	343	0	5.86	0.00	5.86
765 KV Gaya-Balia	384	373	434	0	6.86	0.00	6.86
765 KV Gaya-Varanasi (D/C)	637	655	908	908	13.21	0.00	13.21
220 KV Pusauli-Sahupuri	114	189	210	0	4.06	0.00	4.06
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	-0.48	0.96
132 KV Son Ngr-Rihand	-30	-20	0	-30	0.00	-0.52	0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-129	24	172	129	1.04	0.00	1.04
400 KV Barh -GKP (D/C)	536	492	570	0	10.07	0.00	10.07
400 kV B'Sharif - Varanasi (D/C)	-140	-156	0	288	0.00	3.14	-3.14
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**2958**	**3278**			**73.21**	**2.14**	**71.07**
+/- 800 KV HVDC BiswanathCharialli-Agra	-504	-508	0	508.00	0.00	11.60	-11.60
Sub Total NER	**-504**	**-508**			**0.00**	**11.60**	**-11.60**
Total IR Exch	**9597**	**10522**			**241.53**	**31.35**	**210.18**

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**
46.46	0.73	47.19	1.83	6.10	6.17	6.36	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**
55.18	155.57	210.75	59.47	150.71	210.18	4.29	-4.86	-0.57

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	-12	-4	0	-29	0	-1	0.52

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	0.00	3.36	46.88	73.47	19.03	4.19	0.32	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	18.01	49.85	12.19	50.00	0.034	0.058	50.09	49.91	26.53

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	7:56	400	20:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	425	8:00	389	23:35	0.0	0.5	26.0	0.0	26.0
Bareilly(PG)400kV	400	421	8:00	389	23:33	0.0	0.2	0.0	0.0	0.0
Kanpur	400	420	7:59	392	23:38	0.0	0.0	0.0	0.0	0.0
Dadri	400	419	7:55	392	22:29	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	421	7:57	392	22:21	0.0	0.0	0.5	0.0	0.5
Bawana	400	414	18:02	394	22:36	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	7:59	390	22:14	0.0	0.0	0.4	0.0	0.4
Hissar	400	416	7:57	392	23:51	0.0	0.0	0.0	0.0	0.0
Moga	400	418	5:03	400	22:18	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	418	7:55	396	22:43	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	422	5:03	406	22:09	0.0	0.0	2.4	0.0	2.4
Kishenpur	400	414	3:51	400	20:26	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	4:05	376	20:37	10.2	62.9	0.0	0.0	10.2
Amritsar	400	423	5:02	407	22:20	0.0	0.0	4.4	0.0	4.4
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	5:05	404	20:22	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	417	5:02	390	19:30	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	788	5:03	735	22:42	0.0	5.3	0.0	0.0	0.0
Balia	765	795	7:59	742	23:34	0.0	0.0	0.0	0.0	0.0
Moga	765	795	18:01	760	22:21	0.0	0.0	0.0	0.0	0.0
Agra	765	793	7:57	743	22:19	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	7:54	757	22:18	0.0	0.0	1.0	0.0	1.0
Unnao	765	786	7:58	732	23:34	0.0	12.7	0.0	0.0	0.0
Lucknow	765	802	8:00	740	23:33	0.0	2.0	0.6	0.0	0.6
Meerut	765	805	7:59	753	22:41	0.0	0.0	3.6	0.0	3.6
Jhatikara	765	803	7:58	752	22:21	0.0	0.0	0.9	0.0	0.9
Bareilly 765 kV	765	802	7:58	742	23:33	0.0	0.0	0.7	0.0	0.7
Anta	765	792	4:04	759	22:20	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	18:01	750	22:15	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	470.49	277.56	474.98	350.94	413.65	646.19
Pong	426.72	384.05	396.39	146.09	394.27	116.59	43.44	190.01
Tehri	829.79	740.04	752.10	63.90	741.05	4.89	85.54	172.00
Koteshwar	612.50	598.50	611.32	5.20	606.09	5.05	172.00	166.48
Chamera-I	760.00	748.75	752.94	0.00	0.00	0.00	220.08	203.37
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	515.82	7.07	498.55	0.74	1969.00	28.17

*** 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	255	1183	0	386	0	0	6.06	8.97	15.03
Delhi	517	-400	0	504	-257	0	12.25	-6.98	5.28
Haryana	343	173	0	343	219	0	5.81	2.31	8.12
HP	-568	-114	0	-493	-503	0	-12.41	-5.29	-17.70
J&K	-574	99	0	-574	228	0	-13.77	2.71	-11.07
CHD	0	15	0	0	0	0	0.00	0.74	0.74
Rajasthan	-8	333	0	-8	268	0	-0.20	7.32	7.12
UP	1012	1068	0	1326	414	0	11.81	8.49	20.30
Uttarakhand	32	-20	0	-68	99	0	1.01	0.31	1.32
Total	**1010**	**2339**	**0**	**1414**	**468**	**0**	**10.56**	**18.58**	**29.14**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	386	196	1282	0	0	0
Delhi	577	477	209	-934	0	0
Haryana	343	141	270	-286	0	0
HP	-490	-569	-57	-526	0	0
J&K	-574	-574	278	0	0	0
CHD	0	0	83	0	0	0
Rajasthan	-8	-8	333	201	0	0
UP	1326	24	1651	0	0	0
Uttarakhand	95	-98	108	-168	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	**4.86%**
Simultaneous	**0.00%**

(ii)%age of times ATC violated on the inter-regional corridors

WR	**0.00%**
ER	**8.68%**
Simultaneous	**3.13%**

(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	16
Haryana	1	15
Rajasthan	0	11
Delhi	5	38
UP	0	11
Uttarakhand	1	15
HP	6	66
J & K	2	21
Chandigarh	2	16

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.05.2017 :

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 : 01.05.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER