पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 28.05.2017

Date of Reporting : 29.05.2017

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
46610	741	47351	0.00	49283	326	49609	0.00	1055.19	8.48

* 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	54.20	15.14	0.18	69.51	90.16	89.52	-0.64	159.03	0.00
Haryana	35.50	0.67	0.00	36.17	105.45	105.60	0.15	141.77	0.00
Rajasthan	108.72	0.10	41.90	150.72	64.56	65.82	1.26	216.54	0.00
Delhi	16.33		0.00	16.33	89.59	88.04	-1.55	104.37	0.06
UP	183.53	18.80	0.00	202.33	133.62	130.51	-3.11	332.84	0.00
Uttarakhand		16.47	4.75	21.22	15.11	14.18	-0.93	35.40	0.00
HP		16.99	5.25	22.24	-0.71	2.19	2.89	24.43	0.10
J & K		23.06	0.00	23.06	16.82	12.37	-4.45	35.43	8.32
Chandigarh				0.00	6.13	5.38	-0.75	5.38	0.00
Total	**398.28**	**91.23**	**52.07**	**541.58**	**520.74**	**513.61**	**-7.12**	**1055.19**	8.48

* 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	6876	0	39	195	7243	0	94	293	7427	1	0
Haryana	6679	0	-24	489	7111	0	-44	547	7407	1	0
Rajasthan	7903	0	-36	365	9621	0	-108	364	10227	1	0
Delhi	4127	0	-140	198	5074	0	118	522	5514	1	0
UP	16603	250	189	975	15703	0	-50	850	17045	21	100
Uttarakhand	1289	0	-170	-186	1553	0	78	-21	1569	1	0
HP	928	0	151	-1518	920	0	89	-1234	1151	12	0
J&K	1962	491	230	-666	1847	326	181	-802	1962	20	491
Chandigarh	243	0	-3	0	211	0	-53	34	286	23	0
Total	**46610**	**741**	**236**	**-149**	**49283**	**326**	**305**	**552**	**51117**	**1**	**261**

* 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	1763	1731	1834	36.31	1513	35.82	0.49
	Rihand I STPS (2*500)	1000	923	866	963	18.35	765	18.47	-0.12
	Rihand II STPS (2*500)	1000	943	902	979	18.80	783	18.81	-0.02
	Rihand III STPS (2*500)	1000	943	795	993	18.37	765	18.35	0.02
	Dadri I STPS (4*210)	840	769	457	470	10.20	425	10.26	-0.05
	Dadri II STPS (2*490)	980	929	547	691	12.99	541	13.42	-0.43
	Unchahar I TPS (2*210)	420	350	264	277	5.83	243	6.32	-0.48
	Unchahar II TPS (2*210)	420	383	225	236	5.39	224	6.20	-0.81
	Unchahar III TPS (1*210)	210	192	125	115	2.73	114	3.10	-0.37
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1421	1221	1091	23.11	963	24.17	-1.06
	Dadri GPS (4*130.19+2*154.51)	830	761	286	231	5.76	240	5.82	-0.07
	Anta GPS (3*88.71+1*153.2)	419	381	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	597	213	216	4.92	205	4.84	0.07
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	KHEP(4*200)	800	792	789	867	19.01	792	19.01	0.00
	Sub Total (A)	**12612**	**11150**	**8421**	**8963**	**182**	**7579**	**185**	**-2.82**
B. NPC	NAPS (2*220)	440	380	423	426	9.35	390	9.12	0.23
	RAPS- B (2*220)	440	353	395	399	8.48	353	8.44	0.04
	RAPS- C (2*220)	440	418	445	447	9.51	396	10.03	-0.52
	Sub Total (B)	**1320**	**1151**	**1263**	**1272**	**27.34**	**1139**	**27.59**	**-0.25**
C. NHPC	Chamera I HPS (3*180)	540	534	551	548	12.79	533	12.82	-0.03
	Chamera II HPS (3*100)	300	300	297	309	7.16	299	7.20	-0.04
	Chamera III HPS (3*77)	231	232	236	229	5.57	232	5.54	0.02
	Bairasuil HPS(3*60)	180	179	186	122	3.45	144	3.30	0.15
	Salal-HPS (6*115)	690	645	669	669	15.06	628	15.44	-0.38
	Tanakpur-HPS (3*31.4)	94	58	62	50	1.41	59	1.34	0.07
	Uri-I HPS (4*120)	480	474	481	480	11.64	485	11.38	0.26
	Uri-II HPS (4*60)	240	239	245	246	5.82	243	5.73	0.10
	Dhauliganga-HPS (4*70)	280	280	285	67	4.18	174	4.12	0.06
	Dulhasti-HPS (3*130)	390	387	393	394	8.90	371	9.30	-0.40
	Sewa-II HPS (3*40)	120	119	120	81	2.38	99	2.50	-0.12
	Parbati 3 (4*130)	520	520	387	128	3.09	129	3.08	0.01
	Sub Total (C)	**4065**	**3967**	**3910**	**3323**	**81**	**3394**	**82**	**-0.28**
D.SJVNL	NJPC (6*250)	1500	1482	1587	1548	36.11	1505	35.44	0.67
	Rampur HEP (6*68.67)	412	408	439	431	10.11	421	9.79	0.32
	Sub Total (D)	**1912**	**1890**	**2026**	**1979**	**46.23**	**1926**	**45.23**	**0.99**
E. THDC	Tehri HPS (4*250)	1000	399	402	271	6.66	278	6.74	-0.08
	Koteshwar HPS (4*100)	400	156	300	102	3.68	153	3.75	-0.07
	Sub Total (E)	**1400**	**555**	**702**	**373**	**10.34**	**431**	**10.49**	**-0.15**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	538	1077	364	13.11	546	12.92	0.19
	Dehar HPS (6*165)	990	489	495	495	11.68	487	11.74	-0.06
	Pong HPS (6*66)	396	102	260	52	2.41	101	2.46	-0.04
	Sub Total (F)	**2765**	**1130**	**1832**	**911**	**27.20**	**1134**	**27.12**	**0.08**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	163	175	4.08	170	3.36	0.72
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.06	1086	26.08	-0.02
	Malana Stg-II HPS (2*50)	100	0	111	61	1.59	66	1.49	0.10
	Shree Cement TPS (2*150)	300	0	94	102	2.37	99	2.45	-0.08
	Budhil HPS(IPP) (2*35)	70	0	72	0	0.69	29	1.60	-0.91
	Sub Total (G)	**1662**	**0**	**1540**	**1438**	**34.79**	**1450**	**34.98**	**-0.19**
H. Total Regional Entities (A-G)		**25737**	**19843**	**19694**	**18258**	**409.26**	**17053**	**411.87**	**-2.61**

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	480	840	13.24	552
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.03	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	591	716	13.92	580
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	1320	27.28	1137
	Talwandi Saboo (3*660)	1980	0	0	-0.18	-8

	Thermal (Total)	**6560**	**2391**	**2876**	54.20	**2258**
	Total Hydro	1000	601	675	15.14	631
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.15	6
	Solar	560	0	0	0.03	1
	Renewable(Total)	**848**	**0**	**0**	**0.18**	**7**
	Total Punjab	**8408**	**2992**	**3551**	**69.51**	**2896**
Haryana	Panipat TPS (2*210+2*250)	920	200	213	4.87	203
	DCRTPP (Yamuna nagar) (2*300)	600	466	515	11.19	466
	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	741	1181	19.43	810
	Thermal (Total)	**4497**	**1407**	**1909**	**35.50**	**1479**
	Total Hydro	62	33	32	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**	**1440**	**1941**	**36.17**	**1507**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	781	787	18.71	780
	suratgarh TPS (6*250)	1500	377	371	8.99	375
	Chabra TPS (4*250)	1000	565	473	12.10	504
	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	103	162	3.00	125
	RAPS A (NPC) (1*100+1*200)	300	162	165	4.04	168
	Barsingsar (NLC) (2*125)	250	97	112	2.39	100
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	398	643	14.43	601
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	827	1123	21.08	878
	Kawai(Adani) (2*660)	1320	864	1196	23.99	1000
	Thermal (Total)	**9536**	**4174**	**5032**	**108.72**	**4530**
	Total Hydro	550	0	0	0.10	4
	Wind power	4017	1563	1671	38.61	1609
	Biomass	99	25	25	0.61	25
	Solar	1295	0	0	2.68	112
	Renewable/Others (Total)	5411	1588	1696	41.90	1746
	Total Rajasthan	**15497**	**5762**	**6728**	**150.72**	**6280**
UP	Anpara TPS (3*210+2*500)	1630	1380	1379	30.80	1283
	Obra TPS (2*50+2*94+5*200)	1194	650	644	14.60	608
	Paricha TPS (2*110+2*220+2*250)	1160	781	777	17.00	708
	Panki TPS (2*105)	210	140	0	1.10	46
	Harduaganj TPS (1*60+1*105+2*250)	665	542	525	11.50	479
	Tanda TPS (NTPC) (4*110)	440	270	390	7.13	297
	Roza TPS (IPP) (4*300)	1200	1062	1051	22.20	925
	Anpara-C (IPP) (2*600)	1200	342	337	8.00	333
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	329	322	7.70	321
	Anpara-D(2*500)	1000	854	846	18.50	771
	Lalitpur TPS(3*660)	1980	1007	998	21.60	900
	Bara(2*660)	1320	578	1179	18.60	775
	Thermal (Total)	**12449**	**7935**	**8448**	**178.73**	**7447**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.40	433
	Alaknanada(4*82.5)	330	164	164	4.40	183
	Other Hydro	527	224	218	4.00	167
	Cogeneration	981	200	200	4.80	200
	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**	**8958**	**9465**	**202.33**	**8430**
Uttarakhand	Other Hydro	1250	675	587	16.47	686
	Total Gas	225	85	267	4.11	171
	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**	**760**	**854**	**21.22**	**884**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	66	67	1.78	74
	Pragati Gas Turbine (2x104+ 1x122)	330	150	154	3.74	156
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	302	293	7.09	296
	Badarpur TPS (NTPC) (3*95+2*210)	705	158	184	3.72	155
	Thermal (Total)	**2917**	**676**	**698**	**16.33**	**680**
	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**	**676**	**698**	**16.33**	**680**
HP	Baspa HPS (IPP) (3*100)	300	328	298	7.62	317
	Malana HPS (IPP) (2*43)	86	87	34	1.32	55
	Other Hydro (>25MW)	372	374	342	8.06	336
	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	197	226	5.25	219
	Renewable(Total)	**486**	**197**	**226**	**5.25**	**219**
	Total HP	**1244**	**986**	**900**	**22.24**	**927**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	883	883	21.19	883
	Other Hydro/IPP(including 98 MW Small Hydro)	308	85	56	1.87	78
	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**	**968**	**939**	**23**	**961**
Total State Control Area Generation		**50738**	**22542**	**25076**	**541.58**	**22566**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6023**	**7300**	**124.08**	**5170**
Total Regional Availability(Gross)		**76475**	**48259**	**50635**	**1074.92**	**44788**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10633**	**8788**	**215.98**	**8999**
State Control Area Hydro	**7163**	**4171**	**4217**	**96.48**	**4218**
Total Regional Hydro	**19397**	**14804**	**13005**	**312.46**	**13217**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.13**	**5**
State Control Area Renewable	**7356**	**1785**	**1922**	**47.96**	**1998**
Total Regional Renewable	**7386**	**1785**	**1922**	**48.09**	**2004**

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	100	100	500	0.47	9.04	-8.57
765 KV Gwalior-Agra (D/C)	1691	1822	2139	0	30.18	0.00	30.18
400 KV Zerda-Kankroli	-124	-190	0	296	0.00	5.02	-5.02
400 KV Zerda-Bhinmal	-116	-157	20	251	0.00	3.88	-3.88
220 KV Auraiya-Malanpur	-88	-74	0	130	0.00	2.19	-2.19
220 KV Badod-Kota/Morak	57	50	85	42	1.26	0.00	1.26
Mundra-Mohindergarh(HVDC Bipole)	1202	1599	2004	0	33.78	0.00	33.78
400 KV RAPPC-Sujalpur	158	110	138	0	0.01	0.00	0.01
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	472	746	517	0	13.90	0.00	13.90
+/- 800 kV HVDC Champa-Kurushetra	1500	1000	1500	0	23.86	0	23.86
Sub Total WR	**4252**	**5006**			**103.46**	**20.13**	**83.33**
400 kV Sasaram - Varanasi	112	144	0	120	3.97	0.00	3.97
400 kV Sasaram - Allahabad	20	21	0	33	0.39	0.00	0.39
400 KV MZP- GKP (D/C)	158	128	370	200	3.14	0.00	3.14
400 KV Patna-Balia(D/C) X 2	456	517	573	0	10.20	0.00	10.20
400 KV B'Sharif-Balia (D/C)	133	40	175	0	1.72	0.00	1.72
765 KV Gaya-Balia	268	238	299	0	4.11	0.00	4.11
765 KV Gaya-Varanasi (D/C)	175	244	40	258	3.19	0.00	3.19
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-40	-30	0	38	0.00	0.76	-0.76
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-90	-21	30	176	0.00	1.56	-1.56
400 KV Barh -GKP (D/C)	426	524	524	0	8.19	0.00	8.19
400 kV B'Sharif - Varanasi (D/C)	13	3	137	61	0.53	0.00	0.53
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1631**	**1808**			**35.43**	**2.32**	**33.11**
+/- 800 KV HVDC BiswanathCharialli-Agra	140	486	500	0.00	7.65	0.00	7.65
Sub Total NER	**140**	**486**			**7.65**	**0.00**	**7.65**
Total IR Exch	**6023**	**7300**			**146.54**	**22.46**	**124.08**

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
41.72	0.78	42.50	-0.75	1.72	-10.33	-15.03	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
31.43	101.29	132.72	40.76	83.33	124.08	9.33	-17.96	-8.63

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	-27	0	29	0	1	-0.59

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	0.14	1.60	32.82	64.76	18.39	13.82	1.50	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)	
50.27	18.02	49.79	19.26	50.03	0.054	0.066	0.00	0.00	35.24

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	405	18:16	401	9:36	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	410	14:01	388	20:41	0.0	3.6	0.0	0.0	0.0
Bareilly(PG)400kV	400	413	5:34	372	11:58	0.0	1.6	0.0	0.0	0.0
Kanpur	400	411	6:37	396	21:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	5:32	399	14:45	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	414	5:33	394	14:47	0.0	0.0	0.0	0.0	0.0
Bawana	400	414	5:33	397	14:45	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	18:30	397	22:31	0.0	0.0	0.5	0.0	0.5
Hissar	400	410	18:00	395	19:34	0.0	0.0	0.0	0.0	0.0
Moga	400	414	18:02	400	10:30	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	413	5:34	397	19:42	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	418	5:38	403	10:46	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	2:48	399	21:08	0.0	0.0	0.0	0.0	0.0
Wagoora	400	398	18:01	376	20:07	15.4	80.0	0.0	0.0	15.4
Amritsar	400	422	2:46	403	10:26	0.0	0.0	5.1	0.0	5.1
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	415	2:44	398	10:14	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	5:33	388	19:50	0.0	1.9	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	771	18:35	739	10:46	0.0	1.8	0.0	0.0	0.0
Balia	765	773	23:29	741	20:44	0.0	0.3	0.0	0.0	0.0
Moga	765	792	18:32	764	10:35	0.0	0.0	0.0	0.0	0.0
Agra	765	788	18:32	755	10:36	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	18:32	768	22:29	0.0	0.0	0.0	0.0	0.0
Unnao	765	768	18:31	735	21:20	0.0	8.3	0.0	0.0	0.0

Lucknow	765	778	5:35	741	20:06	0.0	0.2	0.0	0.0	0.0
Meerut	765	799	18:32	761	19:53	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	790	5:35	756	10:33	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	785	5:34	742	19:52	0.0	0.0	0.0	0.0	0.0
Anta	765	797	18:46	757	18:55	0.0	0.0	0.0	0.0	0.0
Phagi	765	800	18:38	763	22:31	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	471.90	298.24	477.72	407.63	792.47	460.29
Pong	426.72	384.05	394.56	116.59	391.45	72.04	178.25	189.10
Tehri	829.79	740.04	744.95	23.73	741.95	9.13	206.03	239.00
Koteshwar	612.50	598.50	609.32	4.20	607.30	3.34	239.00	242.70
Chamera-I	760.00	748.75	753.18	0.00	0.00	0.00	324.11	0.00
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	513.63	6.80	504.05	2.91	278.27	280.68

*** 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	293	0	0	195	0	0	6.54	2.45	8.99
Delhi	539	-17	0	471	-274	0	12.77	-2.82	9.94
Haryana	342	204	0	342	147	0	3.23	4.31	7.54
HP	-881	-354	0	-699	-820	0	-18.50	-13.48	-31.99
J&K	-575	-227	0	-575	-91	0	-13.80	-4.40	-18.19
CHD	0	34	0	0	0	0	0.00	0.42	0.42
Rajasthan	37	328	0	36	328	0	0.80	7.72	8.51
UP	880	-30	0	1005	-30	0	10.26	-0.34	9.92
Uttarakhand	131	-152	0	133	-318	0	3.08	-4.45	-1.37
Total	**766**	**-214**	**0**	**909**	**-1058**	**0**	**4.37**	**-10.59**	**-6.22**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	293	195	443	0	0	0
Delhi	722	471	37	-472	0	0
Haryana	342	-107	224	137	0	0
HP	-699	-958	-320	-922	0	0
J&K	-575	-575	69	-344	0	0
CHD	0	0	59	0	0	0
Rajasthan	38	26	336	284	0	0
UP	1113	38	0	-30	0	0
Uttarakhand	133	111	83	-359	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	15
Haryana	1	16
Rajasthan	1	13
Delhi	3	33
UP	3	32
Uttarakhand	3	25
HP	3	25
J & K	4	28
Chandigarh	4	26

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 28.05.2017 :

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 : 28.05.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER