पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 10.04.2017
Date of Reporting : 11.04.2017

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
41217	1011	42228	50.00	34617	452	35069	50.03	801.63	12.26

* 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	28.77	3.12	0.30	32.19	60.57	62.31	1.75	94.51	0.00
Haryana	16.36	0.60	0.00	16.96	88.26	83.98	-4.27	100.94	0.23
Rajasthan	89.51	0.49	4.20	94.20	68.10	70.60	2.50	164.80	0.00
Delhi	14.29		0.00	14.29	63.32	60.70	-2.62	74.99	0.02
UP	166.13	5.00	0.00	171.13	100.36	87.89	-12.46	259.02	0.00
Uttarakhand		8.32	0.00	14.38	18.43	17.78	-0.65	32.17	0.09
HP		11.36	5.53	11.36	10.81	12.52	1.70	23.87	0.00
J & K		13.60	0.00	13.60	26.89	34.10	7.21	47.70	11.92
Chandigarh				0.00	4.03	3.62	-0.42	3.62	0.00
Total	**315.06**	**42.50**	**10.03**	**368.12**	**440.77**	**433.51**	**-7.26**	**801.63**	12.26

* 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	4351	0	308	-99	3999	0	-44	-99	4679	7:00	0
Haryana	5754	391	-425	262	4275	0	2	248	5754	20:00	391
Rajasthan	7754	0	-17	397	6532	0	-6	247	7863	21:00	0
Delhi	3556	0	-109	-266	2644	0	-140	-648	3618	12:00	0
UP	14764	0	68	449	13350	0	5	-26	14764	20:00	0
Uttarakhand	1595	70	64	165	1175	0	-46	168	1644	21:00	0
HP	1057	0	-39	-693	723	0	78	-13	1251	8:00	0
J&K	2201	550	423	-60	1809	452	224	-46	2272	7:00	568
Chandigarh	185	0	-20	0	109	0	-7	0	185	20:00	0
Total	**41217**	**1011**	**253**	**155**	**34617**	**452**	**67**	**-168**	**41217**	**20:00**	**1011**

* 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	1650	1793	1789	36.03	1501	35.74	0.29
	Rihand I STPS (2*500)	1000	933	1011	996	19.63	818	19.74	-0.11
	Rihand II STPS (2*500)	1000	476	507	517	10.26	427	9.96	0.29
	Rihand III STPS (2*500)	1000	973	1011	1010	20.44	852	20.42	0.02
	Dadri I STPS (4*210)	840	815	530	449	10.80	450	11.31	-0.51
	Dadri II STPS (2*490)	980	980	836	705	17.10	713	17.73	-0.63
	Unchahar I TPS (2*210)	420	403	396	285	6.80	284	7.44	-0.64
	Unchahar II TPS (2*210)	420	405	363	254	6.61	275	7.41	-0.81
	Unchahar III TPS (1*210)	210	203	201	138	3.44	143	3.75	-0.31
	Unchahar IV TPS(1*660)	660		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1135	497	351	8.69	362	9.10	-0.41
	Dadri GPS (4*130.19+2*154.51)	830	595	176	143	3.78	158	3.93	-0.15
	Anta GPS (3*88.71+1*153.2)	419	378	0	260	1.20	50	1.06	0.14
	Auraiya GPS (4*111.19+2*109.30)	663	640	151	0	1.52	63	1.61	-0.09
	Dadri Solar(5)	5	1	0	0	0.03	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.06	2	0.05	0.00
	Singrauli Solar(15)	15	2	0	0	0.06	3	0.05	0.01
	KHEP(4*200)	800	872	870	732	3.63	151	3.50	0.13
	Sub Total (A)	**12772**	**10463**	**8342**	**7629**	**150**	**6253**	**153**	**-2.75**
B. NPC	NAPS (2*220)	440	391	408	423	8.88	370	9.39	-0.51
	RAPS- B (2*220)	440	367	409	414	8.89	370	8.81	0.08
	RAPS- C (2*220)	440	210	232	235	4.90	204	5.04	-0.14
	Sub Total (B)	**1320**	**968**	**1049**	**1072**	**22.67**	**945**	**23.24**	**-0.57**
C. NHPC	Chamera I HPS (3*180)	540	541	553	0	9.58	399	9.26	0.31
	Chamera II HPS (3*100)	300	301	310	103	4.77	199	4.48	0.30
	Chamera III HPS (3*77)	231	231	230	70	3.19	133	3.10	0.09
	Bairasuil HPS(3*60)	180	179	186	164	4.06	169	3.98	0.08
	Salal-HPS (6*115)	690	398	534	449	10.39	433	9.55	0.85
	Tanakpur-HPS (3*31.4)	94	27	32	26	0.67	28	0.64	0.03
	Uri-I HPS (4*120)	480	464	480	476	11.33	472	11.14	0.19
	Uri-II HPS (4*60)	240	237	240	241	5.72	238	5.69	0.03
	Dhauliganga-HPS (4*70)	280	280	280	0	1.49	62	1.40	0.09
	Dulhasti-HPS (3*130)	390	387	401	132	6.62	276	6.50	0.12
	Sewa-II HPS (3*40)	120	124	130	131	3.10	129	2.98	0.13
	Parbati 3 (4*130)	520	260	265	0	0.80	34	0.78	0.02
	Sub Total (C)	**4065**	**3429**	**3640**	**1792**	**62**	**2572**	**60**	**2.23**
D.SJVNL	NJPC (6*250)	1500	1605	1615	0	10.37	432	10.48	-0.10
	Rampur HEP (6*68.67)	412	367	375	0	2.74	114	2.70	0.04
	Sub Total (D)	**1912**	**1972**	**1990**	**0**	**13.11**	**546**	**13.17**	**-0.06**
E. THDC	Tehri HPS (4*250)	1000	486	483	0	5.26	219	5.30	-0.04
	Koteshwar HPS (4*100)	400	104	203	90	2.53	105	2.50	0.03
	Sub Total (E)	**1400**	**590**	**686**	**90**	**7.79**	**325**	**7.80**	**-0.01**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	281	292	286	6.83	284	6.73	0.09
	Dehar HPS (6*165)	990	309	660	165	7.55	315	7.41	0.15
	Pong HPS (6*66)	396	23	110	0	0.53	22	0.55	-0.02
	Sub Total (F)	**2765**	**612**	**1062**	**451**	**14.91**	**621**	**14.69**	**0.22**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	110	0	1.01	42	0.91	0.10
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	800	0	5.89	245	5.93	-0.03
	Malana Stg-II HPS (2*50)	100	0	25	0	0.62	26	0.60	0.02
	Shree Cement TPS (2*150)	300	0	139	85	2.59	108	2.55	0.04
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.61	-0.61
	Sub Total (G)	**1662**	**0**	**1074**	**85**	**10.11**	**421**	**10.59**	**-0.48**
H. Total Regional Entities (A-G)		**25897**	**18035**	**17843**	**11119**	**280.39**	**11683**	**281.81**	**-1.42**

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	0.00	0
	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	0	0	0.00	0
	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	0	660	10.70	446
	Talwandi Saboo (3*660)	1980	490	960	18.07	753
	Thermal (Total)	**6560**	**490**	**1620**	28.77	**1199**
	Total Hydro	1000	106	127	3.12	130
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.21	9

	Solar	560	0	0	0.09	4
	Renewable(Total)	**848**	**0**	**0**	**0.30**	**13**
	Total Punjab	**8408**	**596**	**1747**	**32.19**	**1341**
Haryana	Panipat TPS (2*210+2*250)	920	210	209	5.24	218
	DCRTPP (Yamuna nagar) (2*300)	600	554	449	11.12	463
	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**	**764**	**658**	**16.36**	**682**
	Total Hydro	62	24	29	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**	**788**	**687**	**16.96**	**707**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	322	310	7.69	320
	suratgarh TPS (6*250)	1500	189	181	4.72	196
	Chabra TPS (4*250)	1000	667	762	16.20	675
	Chabra TPS (1*660)	660	271	278	6.50	271
	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	190	183	4.87	203
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.24	177
	Barsingsar (NLC) (2*125)	250	226	227	5.16	215
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	752	477	15.83	659
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	520	413	10.92	455
	Kawai(Adani) (2*660)	1320	608	563	13.39	558
	Thermal (Total)	**9536**	**3935**	**3584**	**89.51**	**3730**
	Total Hydro	550	20	20	0.49	21
	Wind power	4017	136	110	3.42	143
	Biomass	99	20	20	0.48	20
	Solar	1295	1	0	0.30	12
	Renewable/Others (Total)	5411	157	130	4.20	175
	Total Rajasthan	**15497**	**4112**	**3734**	**94.20**	**3925**
UP	Anpara TPS (3*210+2*500)	1630	1276	1082	24.30	1013
	Obra TPS (2*50+2*94+5*200)	1194	501	491	10.40	433
	Paricha TPS (2*110+2*220+2*250)	1160	827	894	16.40	683
	Panki TPS (2*105)	210	0	135	1.60	67
	Harduaganj TPS (1*60+1*105+2*250)	665	223	501	7.20	300
	Tanda TPS (NTPC) (4*110)	440	271	294	5.63	235
	Roza TPS (IPP) (4*300)	1200	819	1044	18.10	754
	Anpara-C (IPP) (2*600)	1200	644	618	15.10	629
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	281	3.30	138
	Anpara-D(2*500)	1000	836	825	16.30	679
	Lalitpur TPS(3*660)	1980	1172	1173	22.00	917
	Bara(2*660)	1320	52	574	11.40	475
	Thermal (Total)	**12449**	**6621**	**7912**	**151.73**	**6322**
	Vishnuparyag HPS (IPP)(4*110)	440	108	98	1.80	75
	Alaknanada(4*82.5)	330	164	84	1.80	75
	Other Hydro	527	153	99	1.40	58
	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**	**7646**	**8793**	**171.13**	**7131**
Uttarakhand	Other Hydro	1250	433	334	8.32	347
	Total Gas	225	265	267	5.57	232
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.50	21
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.50	21
	Total Uttarakhand	**1802**	**698**	**601**	**14.38**	**599**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	31	34	0.90	38
	Pragati Gas Turbine (2x104+ 1x122)	330	151	157	3.74	156
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	250	6.01	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	168	167	3.64	151
	Thermal (Total)	**2917**	**601**	**608**	**14.29**	**595**
	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**	**601**	**608**	**14.29**	**595**
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.25	52
	Malana HPS (IPP) (2*43)	86	11	0	0.60	25
	Other Hydro (>25MW)	372	220	129	3.98	166
	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	270	213	5.53	230
	Renewable(Total)	**486**	**270**	**213**	**5.53**	**230**
	Total HP	**1244**	**501**	**343**	**11.36**	**473**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	451	447	10.74	447
	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**	**587**	**567**	**14**	**567**
Total State Control Area Generation		**50738**	**15529**	**17080**	**368.12**	**15338**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7819**	**7057**	**149.14**	**6214**
Total Regional Availability(Gross)		**76635**	**41191**	**35255**	**797.65**	**33235**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9183**	**3065**	**108.69**	**4529**
State Control Area Hydro	**7163**	**2361**	**1968**	**42.50**	**2023**
Total Regional Hydro	**19397**	**11544**	**5033**	**151.19**	**6552**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.14**	**6**
State Control Area Renewable	**7356**	**427**	**343**	**10.53**	**439**

Total Regional Renewable	7386	427	343	10.67	445

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)	-250	-500	0	500	0.00	8.76	-8.76
765 KV Gwalior-Agra (D/C)	2365	2174	2365	0	42.68	0.00	42.68
400 KV Zerda-Kankroli	-23	-43	0	251	0.00	2.15	-2.15
400 KV Zerda-Bhinmal	-51	-36	81	187	0.00	0.56	-0.56
220 KV Auraiya-Malanpur	-43	-11	0	66	0.00	0.82	-0.82
220 KV Badod-Kota/Morak	41	10	61	33	0.38	0.00	0.38
Mundra-Mohindergarh(HVDC Bipole)	2000	1499	2005	0	37.23	0.00	37.23
400 KV RAPPC-Sujalpur	340	250	398	0	6.46	0.00	6.46
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1213	1169	1635	0	28.07	0.00	28.07
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	24.38	0	24.38
Sub Total WR	**7092**	**6012**			**139.21**	**12.29**	**126.92**
400 kV Sasaram - Varanasi	171	160	183	0	3.80	0.00	3.80
400 kV Sasaram - Allahabad	-31	-23	0	47	0.00	0.35	-0.35
400 KV MZP- GKP (D/C)	0	0	0	0	0.00	0.00	0.00
400 KV Patna-Balia(D/C) X 2	356	508	607	0	8.73	0.00	8.73
400 KV B'Sharif-Balia (D/C)	-81	-38	0	106	0.00	1.30	-1.30
765 KV Gaya-Balia	120	130	196	0	2.78	0.00	2.78
765 KV Gaya-Varanasi (D/C)	142	69	350	0	2.23	0.00	2.23
220 KV Pusauli-Sahupuri	227	211	227	0	4.16	0.00	4.16
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-36	-40	0	42	0.00	0.84	-0.84
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-328	-265	0	328	0.00	4.85	-4.85
400 KV Barh -GKP (D/C)	0	0	0	0	0.00	0.00	0.00
400 kV B'Sharif - Varanasi (D/C)	-208	-160	0	242	0.00	3.90	-3.90
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**332**	**552**			**21.70**	**11.23**	**10.48**
+/- 800 KV HVDC BiswanathCharialli-Agra	395	493	494	0.00	11.74	0.00	11.74
Sub Total NER	**395**	**493**			**11.74**	**0.00**	**11.74**
Total IR Exch	**7819**	**7057**			**172.66**	**23.52**	**149.14**

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
37.53	0.75	38.28	-1.34	-1.51	-2.36	4.47	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
34.58	142.23	176.81	22.22	126.92	149.14	-12.36	-15.31	-27.67

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	-11	0	29	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	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	50.18	49.83	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	413	12:17	401	19:15	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	427	12:59	388	19:11	0.0	0.9	25.6	0.0	25.6
Bareilly(PG)400kV	400	428	13:00	388	19:15	0.0	0.4	17.0	0.0	17.0
Kanpur	400	422	12:59	390	19:12	0.0	0.0	1.7	0.0	1.7
Dadri	400	427	13:02	398	19:11	0.0	0.0	34.7	0.0	34.7
Ballabhgarh	400	426	13:04	292	14:45	20.0	20.0	21.3	0.0	41.3
Bawana	400	428	13:04	394	19:15	0.0	0.0	36.3	0.0	36.3
Bassi	400	426	13:04	396	19:12	0.0	0.0	18.5	0.0	18.5
Hissar	400	425	13:01	394	19:12	0.0	0.0	5.0	0.0	5.0
Moga	400	424	13:01	398	19:13	0.0	0.0	10.1	0.0	10.1
Abdullapur	400	430	13:01	398	19:27	0.0	0.0	50.5	0.0	50.5
Nalagarh	400	432	03:49	403	19:17	0.0	0.0	44.6	3.0	44.6
Kishenpur	400	419	02:44	398	19:13	0.0	0.0	0.0	0.0	0.0
Wagoora	400	400	03:45	375	19:27	11.4	75.4	0.0	0.0	11.4
Amritsar	400	430	02:40	405	19:14	0.0	0.0	41.6	0.0	41.6
Kashipur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	12:59	410	17:12	0.0	0.0	62.4	0.0	62.4
Rishikesh	400	403	15:02	403	15:02	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 Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	780	06:01	728	19:13	31.6	35.9	0.0	0.0	31.6
Balia	765	797	13:00	736	19:12	0.0	1.1	0.0	0.0	0.0
Moga	765	807	13:02	753	19:15	0.0	0.0	3.0	0.0	3.0
Agra	765	796	13:02	739	19:15	0.0	0.2	0.0	0.0	0.0
Bhiwani	765	814	13:00	759	19:16	0.0	0.0	37.2	0.0	37.2
Unnao	765	784	06:00	727	18:54	0.2	5.2	0.0	0.0	0.2
Lucknow	765	807	12:59	738	19:16	0.0	0.9	9.9	0.0	9.9
Meerut	765	812	10:41	739	19:13	0.0	0.5	25.4	0.0	25.4
Jhatikara	765	815	13:03	754	19:13	0.0	0.0	26.9	0.0	26.9
Bareilly 765 kV	765	814	12:59	742	19:10	0.0	0.0	18.8	0.0	18.8
Anta	765	805	13:03	766	19:14	0.0	0.0	3.1	0.0	3.1
Phagi	765	0	00:00	0	00:00	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	465.24	195.49	479.47	447.73	301.66	229.28

Pong	426.72	384.05	396.90	157.28	395.83	141.12	60.26	39.90
Tehri	829.79	740.04	758.95	112.67	749.30	44.52	56.90	167.00
Koteshwar	612.50	598.50	611.04	5.20	611.71	5.44	167.00	166.34
Chamera-I	760.00	748.75	752.03	0.00	0.00	0.00	216.63	356.49
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	510.94	0.71	496.23	3.68	317.92	27.08

*** 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	-99	0	0	-99	0	0	-2.37	0.00	-2.37
Delhi	-259	-390	0	-295	28	0	-4.89	-2.16	-7.05
Haryana	33	215	0	33	230	0	-1.63	2.76	1.13
HP	81	-94	0	74	-767	0	1.91	-6.29	-4.38
J&K	-46	0	0	-46	-14	0	-1.10	1.10	0.00
CHD	0	0	0	0	0	0	0.00	0.38	0.38
Rajasthan	22	225	0	23	373	0	0.59	8.39	8.98
UP	30	-56	0	99	350	0	1.57	0.56	2.13
Uttarakhand	209	-41	0	119	46	0	4.93	1.09	6.02
Total	**-28**	**-140**	**0**	**-92**	**247**	**0**	**-1.00**	**5.83**	**4.84**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-99	-99	0	0	0	0
Delhi	-97	-443	172	-623	0	0
Haryana	33	-169	267	-499	0	0
HP	83	74	-92	-988	0	0
J&K	-46	-46	174	-115	0	0
CHD	0	0	64	-20	0	0
Rajasthan	31	17	432	-113	0	0
UP	99	10	806	-56	0	0
Uttarakhand	246	117	322	-181	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	3	19
Haryana	2	22
Rajasthan	0	12
Delhi	6	65
UP	4	40
Uttarakhand	6	75
HP	3	43
J & K	3	31
Chandigarh	1	13

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 10.04.2017 :

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 : 10.04.2017 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**