पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 23.06.2017

Date of Reporting : 24.06.2017

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
50935	929	51864	49.96	47235	323	47558	50.00	1140.71	10.08

* 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	49.06	17.94	0.28	67.29	130.45	130.81	0.36	198.10	0.00
Haryana	42.10	0.67	0.00	42.77	128.82	129.37	0.55	172.15	0.05
Rajasthan	91.84	0.17	10.59	102.61	70.87	73.70	2.83	176.31	0.00
Delhi	18.51		0.00	18.51	87.36	86.57	-0.79	105.08	0.02
UP	197.14	19.10	0.00	216.24	155.01	156.24	1.23	372.48	0.00
Uttarakhand		17.40	7.15	24.55	16.57	17.92	1.35	42.47	0.00
HP		15.42	6.08	21.50	2.38	4.61	2.23	26.11	0.00
J & K		25.98	0.00	25.98	14.74	16.53	1.78	42.51	10.00
Chandigarh				0.00	5.85	5.51	-0.34	5.51	0.00
Total	**398.65**	**96.69**	**24.11**	**519.45**	**612.05**	**621.26**	**9.21**	**1140.71**	10.08

* 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	9174	0	-131	1406	6785	0	-145	1801	9501	17	0
Haryana	7563	20	8	950	7165	0	157	981	8489	22	100
Rajasthan	7359	0	55	228	7511	0	226	-50	8720	24	0
Delhi	4518	0	-25	663	4216	0	137	290	5162	24	0
UP	17054	390	204	1306	16966	0	103	1262	18061	23	0
Uttarakhand	1897	0	111	-173	1661	0	120	-99	1947	22	0
HP	1049	0	151	-1476	912	0	53	-1386	1284	10	0
J&K	2077	519	179	-925	1828	323	109	-834	2077	20	519
Chandigarh	243	0	-14	-50	191	0	-21	-20	277	16	0
Total	**50935**	**929**	**538**	**1930**	**47235**	**323**	**739**	**1944**	**54124**	**23**	**588**

* 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	1780	1923	1808	41.71	1738	41.28	0.43
	Rihand I STPS (2*500)	1000	923	1028	993	22.13	922	22.10	0.03
	Rihand II STPS (2*500)	1000	943	999	987	22.58	941	22.53	0.05
	Rihand III STPS (2*500)	1000	943	1017	862	22.44	935	21.97	0.47
	Dadri I STPS (4*210)	840	769	201	176	3.54	147	3.56	-0.02
	Dadri II STPS (2*490)	980	929	962	538	15.22	634	15.84	-0.63
	Unchahar I TPS (2*210)	420	346	343	271	5.81	242	6.33	-0.52
	Unchahar II TPS (2*210)	420	383	328	268	5.68	236	6.44	-0.77
	Unchahar III TPS (1*210)	210	192	187	130	2.94	122	3.15	-0.21
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1000	1034	890	21.32	888	21.48	-0.17
	Dadri GPS (4*130.19+2*154.51)	830	750	368	217	6.86	286	7.09	-0.23
	Anta GPS (3*88.71+1*153.2)	419	386	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	608	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	0.04	1	0.04	-0.01
	Singrauli Solar(15)	15	3	0	0	0.01	0	0.07	-0.06
	KHEP(4*200)	800	792	866	0	13.39	558	12.50	0.89
	Sub Total (A)	**12612**	**10747**	**9256**	**7140**	**184**	**7653**	**184**	**-0.74**
B. NPC	NAPS (2*220)	440	385	416	420	9.16	382	9.24	-0.08
	RAPS- B (2*220)	440	369	401	400	8.59	358	8.80	-0.20
	RAPS- C (2*220)	440	430	445	451	9.67	403	10.32	-0.65
	Sub Total (B)	**1320**	**1184**	**1262**	**1271**	**27.42**	**1142**	**28.36**	**-0.94**
C. NHPC	Chamera I HPS (3*180)	540	534	554	523	13.24	552	12.82	0.43
	Chamera II HPS (3*100)	300	298	307	305	7.18	299	7.14	0.03
	Chamera III HPS (3*77)	231	228	231	236	5.51	229	5.47	0.04
	Bairasuil HPS(3*60)	180	179	184	123	3.08	129	2.96	0.13
	Salal-HPS (6*115)	690	676	682	678	16.34	681	16.23	0.11
	Tanakpur-HPS (3*31.4)	94	63	52	69	1.58	66	1.50	0.07
	Uri-I HPS (4*120)	480	474	481	480	11.66	486	11.38	0.28
	Uri-II HPS (4*60)	240	239	244	244	5.71	238	5.72	-0.01
	Dhauliganga-HPS (4*70)	280	240	291	283	4.60	192	4.47	0.13
	Dulhasti-HPS (3*130)	390	386	396	400	9.35	390	9.26	0.09
	Sewa-II HPS (3*40)	120	126	131	130	3.09	129	3.02	0.07
	Parbati 3 (4*130)	520	514	520	0	1.85	77	1.84	0.01
	Sub Total (C)	**4065**	**3955**	**4074**	**3470**	**83**	**3466**	**82**	**1.37**
D.SJVNL	NJPC (6*250)	1500	1482	1521	1508	36.24	1510	35.57	0.67
	Rampur HEP (6*68.67)	412	408	413	410	10.08	420	9.79	0.29
	Sub Total (D)	**1912**	**1890**	**1934**	**1918**	**46.32**	**1930**	**45.36**	**0.96**
E. THDC	Tehri HPS (4*250)	1000	500	503	0	4.77	199	4.60	0.17
	Koteshwar HPS (4*100)	400	121	297	91	2.96	123	2.90	0.06
	Sub Total (E)	**1400**	**621**	**800**	**91**	**7.73**	**322**	**7.50**	**0.23**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	936	1267	818	22.41	934	22.46	-0.05
	Dehar HPS (6*165)	990	605	660	600	14.61	609	14.53	0.08
	Pong HPS (6*66)	396	65	294	49	1.59	66	1.55	0.04
	Sub Total (F)	**2765**	**1606**	**2221**	**1467**	**38.60**	**1608**	**38.54**	**0.06**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	118	118	2.83	118	2.83	0.00
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	850	22.45	936	22.27	0.19
	Malana Stg-II HPS (2*50)	100	0	111	40	1.30	54	1.22	0.08
	Shree Cement TPS (2*150)	300	0	94	71	1.98	83	2.27	-0.29
	Budhil HPS(IPP) (2*35)	70	0	51	46	1.38	58	1.67	-0.29
	Sub Total (G)	**1662**	**0**	**1474**	**1125**	**29.94**	**1248**	**30.26**	**-0.31**
H. Total Regional Entities (A-G)		**25737**	**20003**	**21021**	**16482**	**416.86**	**17369**	**416.24**	**0.62**

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	350	7.95	331
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.06	-3
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.17	-7
	Goindwal(GVK) (2*270)	540	246	180	2.55	106
	Rajpura (2*700)	1400	1320	660	26.58	1108
	Talwandi Saboo (3*660)	1980	660	308	12.21	509

	Thermal (Total)	**6560**	**2546**	**1498**	49.06	**2044**
	Total Hydro	1000	711	794	17.94	748
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.23	9
	Solar	560	0	0	0.06	2
	Renewable(Total)	**848**	**0**	**0**	**0.28**	**12**
	Total Punjab	**8408**	**3257**	**2292**	**67.29**	**2804**
Haryana	Panipat TPS (2*210+2*250)	920	212	200	5.05	210
	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	803	783	20.44	852
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	945	455	16.62	692
	Thermal (Total)	**4497**	**1960**	**1438**	**42.10**	**1754**
	Total Hydro	62	25	28	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**	**1985**	**1466**	**42.77**	**1782**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	148	149	3.79	158
	suratgarh TPS (6*250)	1500	180	180	4.53	189
	Chabra TPS (4*250)	1000	709	563	17.42	726
	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	184	166	4.52	188
	RAPS A (NPC) (1*100+1*200)	300	161	163	3.98	166
	Barsingsar (NLC) (2*125)	250	218	222	5.09	212
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	498	783	17.79	741
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	447	442	10.84	452
	Kawai(Adani) (2*660)	1320	1009	1197	23.88	995
	Thermal (Total)	**9536**	**3554**	**3865**	**91.84**	**3827**
	Total Hydro	550	30	0	0.17	7
	Wind power	4017	297	578	10.03	418
	Biomass	99	23	23	0.56	23
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	320	601	10.59	441
	Total Rajasthan	**15497**	**3904**	**4466**	**102.61**	**4275**
UP	Anpara TPS (3*210+2*500)	1630	936	942	23.20	967
	Obra TPS (2*50+2*94+5*200)	1194	404	365	8.90	371
	Paricha TPS (2*110+2*220+2*250)	1160	871	749	18.00	750
	Panki TPS (2*105)	210	135	140	3.20	133
	Harduaganj TPS (1*60+1*105+2*250)	665	426	469	10.60	442
	Tanda TPS (NTPC) (4*110)	440	383	390	8.54	356
	Roza TPS (IPP) (4*300)	1200	1078	946	23.10	963
	Anpara-C (IPP) (2*600)	1200	1119	1018	24.80	1033
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	216	248	5.30	221
	Anpara-D(2*500)	1000	893	928	21.20	883
	Lalitpur TPS(3*660)	1980	1130	1869	33.70	1404
	Bara(2*660)	1320	605	606	14.20	592
	Thermal (Total)	**12449**	**8196**	**8670**	**194.74**	**8114**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.30	429
	Alaknanada(4*82.5)	330	228	165	5.00	208
	Other Hydro	527	250	176	3.80	158
	Cogeneration	981	100	100	2.40	100
	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**	**9209**	**9546**	**216.24**	**9010**
Uttarakhand	Other Hydro	1250	801	648	17.40	725
	Total Gas	225	272	284	6.55	273
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.61	25
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.61	25
	Total Uttarakhand	**1802**	**1073**	**932**	**24.55**	**1023**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	69	69	1.70	71
	Pragati Gas Turbine (2x104+ 1x122)	330	150	154	3.71	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	259	252	6.18	257
	Badarpur TPS (NTPC) (3*95+2*210)	705	332	328	6.92	288
	Thermal (Total)	**2917**	**809**	**803**	**18.51**	**771**
	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**	**809**	**803**	**18.51**	**771**
HP	Baspa HPS (IPP) (3*100)	300	297	297	6.79	283
	Malana HPS (IPP) (2*43)	86	64	40	1.06	44
	Other Hydro (>25MW)	372	362	325	7.56	315
	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	259	214	6.08	254
	Renewable(Total)	**486**	**259**	**214**	**6.08**	**254**
	Total HP	**1244**	**983**	**876**	**21.50**	**896**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	882	882	21.17	882
	Other Hydro/IPP(including 98 MW Small Hydro)	308	200	200	4.81	201
	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**	**1082**	**1082**	**26**	**1083**
Total State Control Area Generation		**50738**	**22302**	**21463**	**519.45**	**21644**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**10280**	**9647**	**220.86**	**9203**
Total Regional Availability(Gross)		**76475**	**53603**	**47592**	**1157.17**	**48215**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**11224**	**7954**	**215.80**	**8992**
State Control Area Hydro	**7163**	**4817**	**4488**	**102.77**	**4580**
Total Regional Hydro	**19397**	**16041**	**12442**	**318.57**	**13572**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.06**	**3**
State Control Area Renewable	**7356**	**579**	**815**	**17.56**	**732**
Total Regional Renewable	**7386**	**579**	**815**	**17.63**	**734**

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	0	400	0.00	6.84	-6.84
765 KV Gwalior-Agra (D/C)	2465	2385	2673	0	50.83	0.00	50.83
400 KV Zerda-Kankroli	-40	-146	0	358	0.00	4.26	-4.26
400 KV Zerda-Bhinmal	7	-174	51	303	0.00	2.96	-2.96
220 KV Auraiya-Malanpur	28	32	0	37	0.59	0.00	0.59
220 KV Badod-Kota/Morak	77	75	200	0	2.29	0.00	2.29
Mundra-Mohindergarh(HVDC Bipole)	1998	2003	2505	0	43.55	0.00	43.55
400 KV RAPPC-Sujalpur	352	276	370	0	6.67	0.00	6.67
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1214	1395	1752	0	31.83	0.00	31.83
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	31.71	0	31.71
Sub Total WR	**7301**	**7046**			**167.47**	**14.06**	**153.42**
400 kV Sasaram - Varanasi	-69	-66	0	70	0.00	1.54	-1.54
400 kV Sasaram - Allahabad	-122	-132	0	151	0.00	3.25	-3.25
400 KV MZP- GKP (D/C)	435	481	515	0	10.76	0.00	10.76
400 KV Patna-Balia(D/C) X 2	640	477	721	0	11.80	0.00	11.80
400 KV B'Sharif-Balia (D/C)	257	267	342	0	5.83	0.00	5.83
765 KV Gaya-Balia	311	361	412	0	6.72	0.00	6.72
765 KV Gaya-Varanasi (D/C)	440	263	575	0	7.81	0.00	7.81
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	1	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-22	-32	0	36	0.00	0.63	-0.63
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	19	-5	200	11	1.56	0.00	1.56
400 KV Barh -GKP (D/C)	480	408	512	0	9.12	0.00	9.12
400 kV B'Sharif - Varanasi (D/C)	110	79	150	0	1.91	0.00	1.91
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**2479**	**2101**			**55.52**	**5.42**	**50.10**
+/- 800 KV HVDC BiswanathCharialli-Agra	500	500	900	0.00	17.34	0.00	17.34
Sub Total NER	**500**	**500**			**17.34**	**0.00**	**17.34**
Total IR Exch	**10280**	**9647**			**240.34**	**19.48**	**220.86**

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
35.56	2.91	38.47	15.68	13.87	-2.32	-4.69	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
51.83	169.02	220.85	67.45	153.42	220.86	15.62	-15.61	0.01

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	-26	-28	0	28	0	1	-0.62

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	6.44	58.19	82.01	10.28	1.77	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	7.35	49.81	13.43	49.99	0.031	0.054	50.08	49.89	17.99

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	403	5:02	397	16:44	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	6:46	389	23:03	0.0	0.3	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	6:02	391	21:17	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	6:33	398	23:02	0.0	0.0	0.0	0.0	0.0
Dadri	400	410	6:00	392	14:22	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	415	5:59	391	14:38	0.0	0.0	0.0	0.0	0.0
Bawana	400	412	6:00	394	14:35	0.0	0.0	0.0	0.0	0.0
Bassi	400	415	4:00	393	23:07	0.0	0.0	0.0	0.0	0.0
Hissar	400	410	6:00	394	19:35	0.0	0.0	0.0	0.0	0.0
Moga	400	412	5:31	396	19:31	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	411	5:59	392	19:36	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	418	5:36	402	19:13	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	5:50	397	19:25	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	6:00	376	19:45	9.1	48.1	0.0	0.0	9.1
Amritsar	400	416	5:06	401	19:35	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	407	0:00	407	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	417	5:32	393	19:13	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	778	5:10	741	23:04	0.0	0.2	0.0	0.0	0.0
Balia	765	786	6:30	744	21:17	0.0	0.0	0.0	0.0	0.0
Moga	765	789	6:00	758	19:37	0.0	0.0	0.0	0.0	0.0
Agra	765	786	6:32	750	23:05	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	791	5:23	763	23:03	0.0	0.0	0.0	0.0	0.0
Unnao	765	773	6:31	736	23:02	0.0	5.1	0.0	0.0	0.0

Lucknow	765	791	6:47	743	23:03	0.0	0.0	0.0	0.0	0.0
Meerut	765	794	6:01	758	23:17	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	794	6:01	756	23:06	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	790	6:29	746	23:06	0.0	0.0	0.0	0.0	0.0
Anta	765	780	3:57	756	23:04	0.0	0.0	0.0	0.0	0.0
Phagi	765	785	4:02	756	23:03	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	476.73	387.82	479.52	447.73	804.23	848.29
Pong	426.72	384.05	393.04	97.37	390.75	63.75	162.45	130.14
Tehri	829.79	740.04	743.20	15.14	748.35	41.11	171.85	172.00
Koteshwar	612.50	598.50	610.91	5.05	610.10	4.70	172.00	194.94
Chamera-I	760.00	748.75	756.38	0.00	0.00	0.00	313.62	359.36
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	513.77	9.00	504.54	7.11	512.15	381.27

*** 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	1801	0	0	1357	49	0	40.96	0.20	41.16
Delhi	970	-680	0	885	-222	0	23.11	-6.58	16.53
Haryana	736	245	0	736	214	0	17.66	5.73	23.39
HP	-1308	-79	0	-1185	-291	0	-29.52	-2.31	-31.83
J&K	-824	-10	0	-824	-101	0	-19.78	-5.99	-25.77
CHD	0	-20	0	0	-50	0	0.00	-0.47	-0.47
Rajasthan	-187	137	0	-187	415	0	-4.49	7.99	3.50
UP	582	680	0	1017	289	0	10.29	3.26	13.55
Uttarakhand	14	-113	0	-286	113	0	-0.87	-1.03	-1.90
Total	**1784**	**160**	**0**	**1513**	**417**	**0**	**37.36**	**0.80**	**38.15**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1843	1061	49	0	0	0
Delhi	1302	779	38	-745	0	0
Haryana	736	736	271	156	0	0
HP	-1150	-1350	17	-368	0	0
J&K	-824	-824	0	-484	0	0
CHD	0	0	0	-50	0	0
Rajasthan	-187	-187	421	-299	0	0
UP	1087	54	775	-100	0	0
Uttarakhand	19	-352	172	-239	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	**9.72%**

(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	0	11
Haryana	1	14
Rajasthan	3	46
Delhi	2	23
UP	1	16
Uttarakhand	4	32
HP	7	50
J & K	2	16
Chandigarh	6	57

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 23.06.2017 :

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 : 23.06.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER