पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.06.2017

Date of Reporting : 25.06.2017

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
52429	953	53382	50.03	51371	327	51698	50.00	1194.22	11.69

* 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	72.34	18.13	0.36	90.82	134.39	133.79	-0.60	224.61	0.00
Haryana	49.65	0.57	0.00	50.22	131.16	130.73	-0.43	180.95	0.89
Rajasthan	97.20	0.00	14.82	112.01	68.96	71.19	2.23	183.20	0.00
Delhi	15.09		0.00	15.09	93.14	93.85	0.71	108.94	0.00
UP	200.87	20.10	0.00	220.97	153.18	155.99	2.81	376.96	0.80
Uttarakhand		17.41	7.16	24.57	17.77	19.67	1.91	44.25	0.00
HP		17.12	5.77	22.89	0.98	4.34	3.35	27.23	0.00
J & K		26.06	0.00	26.06	14.81	16.38	1.58	42.44	10.01
Chandigarh				0.00	5.95	5.64	-0.31	5.64	0.00
Total	**435.15**	**99.39**	**28.10**	**562.63**	**620.33**	**631.58**	**11.25**	**1194.22**	11.69

* 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	9939	0	-9	1607	8650	0	-34	1801	10171	24	0
Haryana	7807	0	-74	910	7804	0	-200	989	8532	21	84
Rajasthan	7246	0	79	201	7922	0	84	258	8997	24	0
Delhi	4526	0	33	646	4673	0	171	506	5480	24	0
UP	17641	440	523	1116	17566	0	176	1263	17698	1	0
Uttarakhand	1947	0	-21	-161	1719	0	61	18	2027	21	0
HP	1030	0	125	-1438	967	0	150	-1348	1329	10	0
J&K	2051	513	185	-925	1853	327	274	-824	2104	21	526
Chandigarh	244	0	-15	-45	217	0	-23	-20	285	23	0
Total	**52429**	**953**	**825**	**1910**	**51371**	**327**	**659**	**2643**	**54890**	**24**	**1229**

* 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	1929	1924	42.68	1778	42.21	0.47
	Rihand I STPS (2*500)	1000	923	996	990	21.75	906	22.11	-0.36
	Rihand II STPS (2*500)	1000	943	991	1004	22.43	935	22.58	-0.15
	Rihand III STPS (2*500)	1000	943	1019	999	22.34	931	22.55	-0.22
	Dadri I STPS (4*210)	840	769	195	164	3.46	144	3.54	-0.09
	Dadri II STPS (2*490)	980	929	647	711	15.55	648	16.28	-0.73
	Unchahar I TPS (2*210)	420	332	283	252	5.60	233	5.95	-0.35
	Unchahar II TPS (2*210)	420	383	244	318	5.95	248	6.64	-0.70
	Unchahar III TPS (1*210)	210	192	202	120	2.99	124	3.25	-0.26
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1000	1056	959	21.78	907	22.15	-0.38
	Dadri GPS (4*130.19+2*154.51)	830	750	363	224	6.68	278	6.90	-0.22
	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	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.01	0	0.06	-0.05
	KHEP(4*200)	800	792	738	0	12.61	525	12.00	0.61
	Sub Total (A)	**12612**	**10733**	**8663**	**7665**	**184**	**7662**	**186**	**-2.43**
B. NPC	NAPS (2*220)	440	385	409	423	9.06	377	9.24	-0.18
	RAPS- B (2*220)	440	369	372	402	8.48	353	8.80	-0.32
	RAPS- C (2*220)	440	430	447	447	9.59	399	10.32	-0.73
	Sub Total (B)	**1320**	**1184**	**1228**	**1272**	**27.12**	**1130**	**28.36**	**-1.23**
C. NHPC	Chamera I HPS (3*180)	540	534	556	547	13.17	549	12.82	0.36
	Chamera II HPS (3*100)	300	42	0	0	1.13	47	1.06	0.08
	Chamera III HPS (3*77)	231	37	112	0	0.95	40	0.89	0.07
	Bairasuil HPS(3*60)	180	179	184	124	3.03	126	2.96	0.07
	Salal-HPS (6*115)	690	672	684	682	16.16	673	16.14	0.02
	Tanakpur-HPS (3*31.4)	94	57	56	59	1.42	59	1.37	0.05
	Uri-I HPS (4*120)	480	474	481	480	11.58	483	11.38	0.20
	Uri-II HPS (4*60)	240	239	245	245	5.82	243	5.72	0.10
	Dhauliganga-HPS (4*70)	280	281	290	147	4.71	196	4.59	0.12
	Dulhasti-HPS (3*130)	390	386	396	400	9.33	389	9.26	0.06
	Sewa-II HPS (3*40)	120	126	132	131	3.08	128	3.02	0.06
	Parbati 3 (4*130)	520	514	514	0	2.50	104	2.47	0.03
	Sub Total (C)	**4065**	**3541**	**3650**	**2814**	**73**	**3037**	**72**	**1.21**
D.SJVNL	NJPC (6*250)	1500	1482	1538	1526	36.44	1518	35.57	0.88
	Rampur HEP (6*68.67)	412	406	421	417	10.07	420	9.74	0.33
	Sub Total (D)	**1912**	**1888**	**1959**	**1943**	**46.51**	**1938**	**45.31**	**1.21**
E. THDC	Tehri HPS (4*250)	1000	500	501	0	4.77	199	4.60	0.17
	Koteshwar HPS (4*100)	400	104	203	93	2.50	104	2.49	0.01
	Sub Total (E)	**1400**	**604**	**704**	**93**	**7.28**	**303**	**7.09**	**0.19**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	937	1272	820	22.43	935	22.50	-0.07
	Dehar HPS (6*165)	990	602	660	600	14.53	605	14.45	0.08
	Pong HPS (6*66)	396	62	294	0	1.55	65	1.49	0.06
	Sub Total (F)	**2765**	**1601**	**2226**	**1420**	**38.51**	**1605**	**38.43**	**0.07**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	219	128	3.68	153	2.83	0.85
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	25.74	1073	24.23	1.51
	Malana Stg-II HPS (2*50)	100	0	112	50	1.58	66	1.48	0.10
	Shree Cement TPS (2*150)	300	0	107	71	2.07	86	2.33	-0.26
	Budhil HPS(IPP) (2*35)	70	0	74	70	0.17	7	1.67	-1.50
	Sub Total (G)	**1662**	**0**	**1612**	**1420**	**33.24**	**1385**	**32.54**	**0.70**
H. Total Regional Entities (A-G)		**25737**	**19551**	**20042**	**16627**	**409.43**	**17060**	**409.72**	**-0.29**

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	7.54	314
	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	196	216	5.12	213
	Rajpura (2*700)	1400	1320	1320	31.51	1313
	Talwandi Saboo (3*660)	1980	1200	1060	28.17	1174

	Thermal (Total)	**6560**	**3136**	**2916**	72.34	**3014**
	Total Hydro	1000	742	752	18.13	755
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.28	12
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**0**	**0**	**0.36**	**15**
	Total Punjab	**8408**	**3878**	**3668**	**90.82**	**3784**
Haryana	Panipat TPS (2*210+2*250)	920	214	217	5.04	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	898	1120	20.77	866
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	961	1151	23.83	993
	Thermal (Total)	**4497**	**2073**	**2488**	**49.65**	**2069**
	Total Hydro	62	26	31	0.57	24
	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**	**2099**	**2519**	**50.22**	**2092**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	154	153	3.93	164
	suratgarh TPS (6*250)	1500	180	182	3.86	161
	Chabra TPS (4*250)	1000	743	809	19.62	817
	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	178	187	4.42	184
	RAPS A (NPC) (1*100+1*200)	300	159	162	3.99	166
	Barsingsar (NLC) (2*125)	250	217	215	5.06	211
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	535	961	18.73	780
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	477	411	11.25	469
	Kawai(Adani) (2*660)	1320	937	1194	26.35	1098
	Thermal (Total)	**9536**	**3580**	**4274**	**97.20**	**4050**
	Total Hydro	550	0	0	0.00	0
	Wind power	4017	233	614	12.04	502
	Biomass	99	24	24	0.59	24
	Solar	1295	0	0	2.19	91
	Renewable/Others (Total)	5411	257	638	14.82	617
	Total Rajasthan	**15497**	**3837**	**4912**	**112.01**	**4667**
UP	Anpara TPS (3*210+2*500)	1630	908	945	23.00	958
	Obra TPS (2*50+2*94+5*200)	1194	362	358	8.40	350
	Paricha TPS (2*110+2*220+2*250)	1160	868	880	18.20	758
	Panki TPS (2*105)	210	63	135	2.70	113
	Harduaganj TPS (1*60+1*105+2*250)	665	523	521	11.00	458
	Tanda TPS (NTPC) (4*110)	440	388	390	8.27	345
	Roza TPS (IPP) (4*300)	1200	1079	1074	22.50	938
	Anpara-C (IPP) (2*600)	1200	1112	1117	25.80	1075
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	223	255	5.20	217
	Anpara-D(2*500)	1000	899	907	21.70	904
	Lalitpur TPS(3*660)	1980	1856	1850	37.40	1558
	Bara(2*660)	1320	606	606	14.30	596
	Thermal (Total)	**12449**	**8887**	**9038**	**198.47**	**8270**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.50	438
	Alaknanada(4*82.5)	330	166	166	4.70	196
	Other Hydro	527	252	201	4.90	204
	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**	**9840**	**9940**	**220.97**	**9207**
Uttarakhand	Other Hydro	1250	874	658	17.41	725
	Total Gas	225	272	285	6.51	271
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.65	27
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.65	27
	Total Uttarakhand	**1802**	**1146**	**943**	**24.57**	**1024**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.80	33
	Pragati Gas Turbine (2x104+ 1x122)	330	148	152	3.67	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	289	292	6.96	290
	Badarpur TPS (NTPC) (3*95+2*210)	705	170	168	3.66	152
	Thermal (Total)	**2917**	**643**	**648**	**15.09**	**629**
	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**	**643**	**648**	**15.09**	**629**
HP	Baspa HPS (IPP) (3*100)	300	331	331	7.90	329
	Malana HPS (IPP) (2*43)	86	74	57	1.44	60
	Other Hydro (>25MW)	372	313	334	7.78	324
	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	276	237	5.77	240
	Renewable(Total)	**486**	**276**	**237**	**5.77**	**240**
	Total HP	**1244**	**994**	**959**	**22.89**	**954**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	885	885	21.24	885
	Other Hydro/IPP(including 98 MW Small Hydro)	308	202	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**	**1087**	**1085**	**26**	**1086**
Total State Control Area Generation		**50738**	**23524**	**24673**	**562.63**	**23443**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**10988**	**10607**	**235.82**	**9826**
Total Regional Availability(Gross)		**76475**	**54554**	**51908**	**1207.89**	**50329**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10708**	**7548**	**208.80**	**8700**
State Control Area Hydro	**7163**	**4848**	**4572**	**105.16**	**4680**
Total Regional Hydro	**19397**	**15556**	**12120**	**313.95**	**13380**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.08**	**3**
State Control Area Renewable	**7356**	**533**	**875**	**21.59**	**899**
Total Regional Renewable	**7386**	**533**	**875**	**21.66**	**903**

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)	-150	-150	200	350	0.20	4.86	-4.66
765 KV Gwalior-Agra (D/C)	2822	2508	2899	0	57.39	0.00	57.39
400 KV Zerda-Kankroli	41	-232	41	274	0.00	3.62	-3.62
400 KV Zerda-Bhinmal	66	-202	82	277	0.00	2.67	-2.67
220 KV Auraiya-Malanpur	50	8	0	25	0.84	0.00	0.84
220 KV Badod-Kota/Morak	74	100	143	0	2.21	0.00	2.21
Mundra-Mohindergarh(HVDC Bipole)	1199	2501	2507	0	40.37	0.00	40.37
400 KV RAPPC-Sujalpur	354	272	354	0	5.95	0.00	5.95
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1242	1273	1456	0	29.05	0.00	29.05
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	34.18	0	34.18
Sub Total WR	**7198**	**7578**			**170.20**	**11.15**	**159.05**
400 kV Sasaram - Varanasi	164	-61	177	72	0.19	0.00	0.19
400 kV Sasaram - Allahabad	27	-129	44	149	0.00	1.89	-1.89
400 KV MZP- GKP (D/C)	472	470	640	0	11.45	0.00	11.45
400 KV Patna-Balia(D/C) X 2	393	555	650	0	10.60	0.00	10.60
400 KV B'Sharif-Balia (D/C)	541	311	619	0	9.80	0.00	9.80
765 KV Gaya-Balia	598	402	598	0	10.38	0.00	10.38
765 KV Gaya-Varanasi (D/C)	536	460	614	0	10.86	0.00	10.86
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	-22	-36	0	37	0.00	0.61	-0.61
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-159	32	115	159	0.08	0.00	0.08
400 KV Barh -GKP (D/C)	272	436	462	0	7.07	0.00	7.07
400 kV B'Sharif - Varanasi (D/C)	68	89	131	0	1.84	0.00	1.84
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**2890**	**2529**			**62.27**	**2.50**	**59.77**
+/- 800 KV HVDC BiswanathCharialli-Agra	900	500	1000	0.00	17.00	0.00	17.00
Sub Total NER	**900**	**500**			**17.00**	**0.00**	**17.00**
Total IR Exch	**10988**	**10607**			**249.47**	**13.65**	**235.82**

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
45.71	3.60	49.31	14.59	12.40	1.30	-0.21	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
65.20	170.17	235.37	76.77	159.05	235.82	11.57	-11.12	0.45

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	-30	-28	0	30	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	0.28	6.66	44.24	72.62	16.12	4.85	0.36	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)	
50.22	13.02	49.76	15.35	50.00	0.042	0.065	50.19	49.86	27.38

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	476.71	387.82	479.55	447.73	834.30	851.94
Pong	426.72	384.05	393.02	93.10	390.89	63.75	100.44	126.29
Tehri	829.79	740.04	743.15	14.90	748.85	43.73	176.34	173.00
Koteshwar	612.50	598.50	611.26	5.20	610.42	4.69	173.00	165.57
Chamera-I	760.00	748.75	755.98	0.00	0.00	0.00	321.79	356.98
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	513.67	9.47	504.17	7.08	344.78	380.57

*** 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	1307	300	0	41.80	4.58	46.38
Delhi	894	-387	0	955	-309	0	22.79	-7.17	15.62
Haryana	736	253	0	711	199	0	17.40	5.03	22.43
HP	-1307	-41	0	-1237	-201	0	-29.64	-2.07	-31.71
J&K	-824	0	0	-824	-101	0	-19.78	-5.67	-25.45
CHD	0	-20	0	0	-45	0	0.00	-0.46	-0.46
Rajasthan	-187	445	0	-187	388	0	-4.49	10.14	5.65
UP	585	678	0	813	303	0	8.33	3.41	11.74
Uttarakhand	14	3	0	-234	73	0	-1.71	0.67	-1.04
Total	**1712**	**931**	**0**	**1304**	**606**	**0**	**34.70**	**8.45**	**43.15**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1951	1209	592	0	0	0
Delhi	1307	779	-72	-680	0	0
Haryana	736	614	282	-238	0	0
HP	-1150	-1351	20	-300	0	0
J&K	-824	-824	0	-454	0	0
CHD	0	0	0	-50	0	0
Rajasthan	-187	-187	446	385	0	0
UP	1116	-30	872	-100	0	0
Uttarakhand	15	-285	173	-159	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	**1.04%**

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

WR	**0.00%**
ER	**0.00%**
Simultaneous	**15.28%**

(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	13
Haryana	3	14
Rajasthan	3	34
Delhi	3	28
UP	0	10
Uttarakhand	3	34
HP	3	24
J & K	2	30
Chandigarh	6	55

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 24.06.2017 :

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

1. 1000MVA ICT-3 1ST time taken on load @ UNNAO(UP) @ 17:01Hrs on 24.06.2017
2. 315MVA ICT-2 1st time takne on load @ AGRA(PG) @ 23:09Hrs on 24.06.2017

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 : 24.06.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER