पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 25.06.2017

Date of Reporting : 26.06.2017

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
50664	1026	51690	49.93	53323	598	53921	49.96	1206.72	10.68

* 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	74.89	18.38	0.32	93.59	138.56	137.43	-1.13	231.02	0.00
Haryana	47.61	0.65	0.00	48.27	127.51	125.03	-2.48	173.30	0.09
Rajasthan	105.08	0.60	13.72	119.41	72.96	75.94	2.97	195.34	0.34
Delhi	14.34		0.00	14.34	95.37	95.60	0.23	109.93	0.06
UP	192.59	21.97	0.00	214.55	163.42	165.19	1.76	379.74	0.00
Uttarakhand		19.07	7.21	26.29	16.71	16.75	0.04	43.03	0.11
HP		17.71	5.65	23.36	-0.01	2.66	2.67	26.01	0.00
J & K		26.03	0.00	26.03	16.65	16.75	0.10	42.78	10.08
Chandigarh				0.00	6.11	5.57	-0.54	5.57	0.00
Total	**434.50**	**104.42**	**26.90**	**565.82**	**637.27**	**640.90**	**3.63**	**1206.72**	10.68

* 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	9805	0	-210	1504	9187	0	-217	1801	10070	21	0
Haryana	7177	72	-180	892	8113	0	-34	969	8284	1	0
Rajasthan	7383	0	193	210	8590	0	98	226	9039	24	213
Delhi	4403	0	-79	803	4956	0	218	690	5574	24	0
UP	16699	430	38	1518	17514	260	201	1489	17589	24	530
Uttarakhand	1864	0	82	-230	1805	0	119	44	1955	21	0
HP	985	0	119	-1474	1013	0	134	-1351	1236	10	0
J&K	2097	524	121	-864	1913	338	223	-784	2136	21	534
Chandigarh	251	0	-6	-50	233	0	-16	0	287	22	0
Total	**50664**	**1026**	**78**	**2309**	**53323**	**598**	**726**	**3084**	**54703**	**24**	**1241**

* 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	1927	1945	42.48	1770	42.11	0.37
	Rihand I STPS (2*500)	1000	923	955	1003	21.79	908	22.04	-0.24
	Rihand II STPS (2*500)	1000	943	992	1014	22.35	931	22.55	-0.20
	Rihand III STPS (2*500)	1000	943	1009	1016	22.32	930	22.37	-0.05
	Dadri I STPS (4*210)	840	769	207	213	3.91	163	3.81	0.10
	Dadri II STPS (2*490)	980	929	828	910	16.54	689	17.40	-0.86
	Unchahar I TPS (2*210)	420	350	330	326	6.33	264	6.86	-0.53
	Unchahar II TPS (2*210)	420	383	394	337	6.59	274	7.41	-0.82
	Unchahar III TPS (1*210)	210	192	179	186	3.44	143	3.62	-0.18
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	948	954	988	20.36	848	20.90	-0.54
	Dadri GPS (4*130.19+2*154.51)	830	750	361	268	7.08	295	7.35	-0.27
	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	1	0	0	0.01	0	0.02	-0.01
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	KHEP(4*200)	800	792	865	651	17.69	737	16.61	1.08
	Sub Total (A)	**12612**	**10698**	**9001**	**8857**	**191**	**7957**	**193**	**-2.15**
B. NPC	NAPS (2*220)	440	382	409	409	8.91	371	9.17	-0.26
	RAPS- B (2*220)	440	369	398	399	8.54	356	8.80	-0.26
	RAPS- C (2*220)	440	430	443	447	9.60	400	10.32	-0.72
	Sub Total (B)	**1320**	**1181**	**1250**	**1255**	**27.04**	**1127**	**28.28**	**-1.25**
C. NHPC	Chamera I HPS (3*180)	540	534	553	552	13.18	549	12.82	0.36
	Chamera II HPS (3*100)	300	301	307	302	7.25	302	7.22	0.03
	Chamera III HPS (3*77)	231	232	238	237	5.63	235	5.56	0.07
	Bairasuil HPS(3*60)	180	179	184	124	3.22	134	3.13	0.08
	Salal-HPS (6*115)	690	676	680	684	16.43	685	16.23	0.20
	Tanakpur-HPS (3*31.4)	94	58	74	58	1.54	64	1.39	0.15
	Uri-I HPS (4*120)	480	474	480	480	11.61	484	11.38	0.22
	Uri-II HPS (4*60)	240	239	244	244	5.82	243	5.72	0.10
	Dhauliganga-HPS (4*70)	280	271	288	282	5.76	240	5.66	0.11
	Dulhasti-HPS (3*130)	390	386	395	393	9.27	386	9.26	0.01
	Sewa-II HPS (3*40)	120	126	130	129	3.08	128	3.02	0.05
	Parbati 3 (4*130)	520	514	515	0	3.72	155	3.65	0.06
	Sub Total (C)	**4065**	**3989**	**4089**	**3485**	**86**	**3604**	**85**	**1.45**
D.SJVNL	NJPC (6*250)	1500	1482	1501	1543	36.65	1527	35.57	1.08
	Rampur HEP (6*68.67)	412	408	418	427	10.06	419	9.74	0.32
	Sub Total (D)	**1912**	**1890**	**1919**	**1970**	**46.71**	**1946**	**45.31**	**1.40**
E. THDC	Tehri HPS (4*250)	1000	500	508	0	4.72	197	4.59	0.13
	Koteshwar HPS (4*100)	400	118	303	92	2.87	119	2.84	0.03
	Sub Total (E)	**1400**	**618**	**811**	**92**	**7.59**	**316**	**7.42**	**0.16**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	933	1276	819	22.38	932	22.38	-0.01
	Dehar HPS (6*165)	990	612	660	580	14.88	620	14.69	0.19
	Pong HPS (6*66)	396	58	294	0	1.45	60	1.38	0.06
	Sub Total (F)	**2765**	**1602**	**2230**	**1399**	**38.70**	**1613**	**38.46**	**0.24**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	222	4.49	187	3.65	0.84
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.24	1093	26.05	0.19
	Malana Stg-II HPS (2*50)	100	0	112	100	2.23	93	2.08	0.15
	Shree Cement TPS (2*150)	300	0	85	71	2.05	85	2.01	0.04
	Budhil HPS(IPP) (2*35)	70	0	74	74	1.76	73	1.67	0.09
	Sub Total (G)	**1662**	**0**	**1603**	**1567**	**36.77**	**1532**	**35.46**	**1.31**
H. Total Regional Entities (A-G)		**25737**	**19978**	**20903**	**18625**	**434.27**	**18095**	**433.10**	**1.17**

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	420	7.93	330
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.04	-2
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.12	-5
	Goindwal(GVK) (2*270)	540	246	246	5.39	224
	Rajpura (2*700)	1400	1320	1320	31.54	1314
	Talwandi Saboo (3*660)	1980	1050	900	30.19	1258

	Thermal (Total)	**6560**	**2936**	**2886**	74.89	**3120**
	Total Hydro	1000	760	793	18.38	766
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.24	10
	Solar	560	0	0	0.08	3
	Renewable(Total)	**848**	**0**	**0**	**0.32**	**13**
	Total Punjab	**8408**	**3696**	**3679**	**93.59**	**3900**
Haryana	Panipat TPS (2*210+2*250)	920	161	218	3.83	160
	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	851	1150	20.61	859
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	876	1172	23.17	966
	Thermal (Total)	**4497**	**1888**	**2540**	**47.61**	**1984**
	Total Hydro	62	30	30	0.65	27
	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**	**1918**	**2570**	**48.27**	**2011**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	167	156	4.19	175
	suratgarh TPS (6*250)	1500	204	185	4.97	207
	Chabra TPS (4*250)	1000	790	878	20.74	864
	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	191	183	4.42	184
	RAPS A (NPC) (1*100+1*200)	300	163	162	4.00	167
	Barsingsar (NLC) (2*125)	250	206	220	5.13	214
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	442	948	20.89	871
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	451	539	12.78	533
	Kawai(Adani) (2*660)	1320	891	1194	27.95	1165
	Thermal (Total)	**9536**	**3505**	**4465**	**105.08**	**4378**
	Total Hydro	550	59	0	0.60	25
	Wind power	4017	590	1070	13.24	552
	Biomass	99	20	20	0.48	20
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	610	1090	13.72	572
	Total Rajasthan	**15497**	**4174**	**5555**	**119.41**	**4975**
UP	Anpara TPS (3*210+2*500)	1630	931	904	22.56	940
	Obra TPS (2*50+2*94+5*200)	1194	356	348	8.44	351
	Paricha TPS (2*110+2*220+2*250)	1160	881	889	19.30	804
	Panki TPS (2*105)	210	63	68	1.62	68
	Harduaganj TPS (1*60+1*105+2*250)	665	522	532	11.56	481
	Tanda TPS (NTPC) (4*110)	440	285	390	8.30	346
	Roza TPS (IPP) (4*300)	1200	1069	1069	24.56	1023
	Anpara-C (IPP) (2*600)	1200	1118	1119	24.78	1032
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	231	231	5.16	215
	Anpara-D(2*500)	1000	910	950	21.39	891
	Lalitpur TPS(3*660)	1980	1120	1053	28.12	1172
	Bara(2*660)	1320	606	610	14.43	601
	Thermal (Total)	**12449**	**8092**	**8163**	**190.19**	**7924**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436
	Alaknanada(4*82.5)	330	229	229	5.69	237
	Other Hydro	527	226	300	5.81	242
	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**	**9082**	**9227**	**214.55**	**8940**
Uttarakhand	Other Hydro	1250	869	662	19.07	795
	Total Gas	225	272	281	6.54	272
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.68	28
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.68	28
	Total Uttarakhand	**1802**	**1141**	**943**	**26.29**	**1095**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.80	33
	Pragati Gas Turbine (2x104+ 1x122)	330	147	151	3.64	152
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	251	6.30	262
	Badarpur TPS (NTPC) (3*95+2*210)	705	171	169	3.60	150
	Thermal (Total)	**2917**	**605**	**607**	**14.34**	**597**
	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**	**605**	**607**	**14.34**	**597**
HP	Baspa HPS (IPP) (3*100)	300	312	332	7.64	318
	Malana HPS (IPP) (2*43)	86	78	76	1.82	76
	Other Hydro (>25MW)	372	370	346	8.24	343
	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	248	244	5.65	235
	Renewable(Total)	**486**	**248**	**244**	**5.65**	**235**
	Total HP	**1244**	**1008**	**997**	**23.36**	**973**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	885	884	21.22	884
	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**	**1084**	**26**	**1085**
Total State Control Area Generation		**50738**	**22710**	**24662**	**565.82**	**23576**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**9599**	**11506**	**227.31**	**9471**
Total Regional Availability(Gross)		**76475**	**53213**	**54793**	**1227.40**	**51142**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**11358**	**9019**	**230.14**	**9589**
State Control Area Hydro	**7163**	**4975**	**4811**	**110.07**	**4887**
Total Regional Hydro	**19397**	**16332**	**13830**	**340.21**	**14476**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.10**	**4**
State Control Area Renewable	**7356**	**858**	**1334**	**20.37**	**849**
Total Regional Renewable	**7386**	**858**	**1334**	**20.47**	**853**

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)	-200	100	200	500	0.71	4.37	-3.66
765 KV Gwalior-Agra (D/C)	3020	2729	3020	0	53.58	0.00	53.58
400 KV Zerda-Kankroli	1	-59	9	246	0.00	2.87	-2.87
400 KV Zerda-Bhinmal	95	-55	100	195	0.00	2.06	-2.06
220 KV Auraiya-Malanpur	57	38	57	0	0.56	0.00	0.56
220 KV Badod-Kota/Morak	69	70	143	15	1.76	0.00	1.76
Mundra-Mohindergarh(HVDC Bipole)	1498	1499	1804	0	32.63	0.00	32.63
400 KV RAPPC-Sujalpur	402	270	402	0	6.06	0.00	6.06
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1254	1228	1389	0	28.09	0.00	28.09
+/- 800 kV HVDC Champa-Kurushetra	0	1500	1500	0	31.40	0	31.40
Sub Total WR	**6196**	**7320**			**154.79**	**9.30**	**145.49**
400 kV Sasaram - Varanasi	172	164	187	0	4.24	0.00	4.24
400 kV Sasaram - Allahabad	17	25	27	0	0.46	0.00	0.46
400 KV MZP- GKP (D/C)	415	710	758	0	12.28	0.00	12.28
400 KV Patna-Balia(D/C) X 2	336	387	499	0	8.95	0.00	8.95
400 KV B'Sharif-Balia (D/C)	534	628	628	0	12.31	0.00	12.31
765 KV Gaya-Balia	642	611	642	0	12.11	0.00	12.11
765 KV Gaya-Varanasi (D/C)	537	566	569	0	9.52	0.00	9.52
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	-35	-32	0	44	0.00	0.65	-0.65
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-194	-76	0	194	0.00	2.28	-2.28
400 KV Barh -GKP (D/C)	268	396	422	0	4.85	0.00	4.85
400 kV B'Sharif - Varanasi (D/C)	39	131	144	69	1.35	0.00	1.35
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**2731**	**3510**			**66.07**	**2.92**	**63.15**
+/- 800 KV HVDC BiswanathCharialli-Agra	672	676	1200	0.00	18.67	0.00	18.67
Sub Total NER	**672**	**676**			**18.67**	**0.00**	**18.67**
Total IR Exch	**9599**	**11506**			**239.54**	**12.23**	**227.31**

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
45.39	3.45	48.83	15.15	13.69	1.61	-0.06	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
65.60	163.42	229.02	81.82	145.49	227.31	16.22	-17.93	-1.71

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	-24	-27	0	28	0	1	-0.58

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	0.46	8.58	54.31	76.77	14.26	1.06	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)	
50.15	17.41	49.75	18.52	49.99	0.038	0.060	50.08	49.87	23.23

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	476.68	387.82	479.55	447.73	822.55	851.91
Pong	426.72	384.05	393.00	93.10	391.01	67.89	95.91	118.53
Tehri	829.79	740.04	743.50	16.60	749.45	47.17	199.68	171.00
Koteshwar	612.50	598.50	610.68	4.95	610.32	4.69	171.00	189.66
Chamera-I	760.00	748.75	755.99	0.00	0.00	0.00	358.51	357.63
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	513.53	9.66	503.93	7.07	333.32	399.13

*** 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	1455	48	0	42.33	0.20	42.53
Delhi	917	-227	0	987	-184	0	22.88	-2.83	20.05
Haryana	736	233	0	736	156	0	17.66	4.67	22.33
HP	-1310	-41	0	-1289	-186	0	-29.78	-1.94	-31.73
J&K	-824	40	0	-824	-40	0	-19.78	-3.92	-23.70
CHD	0	0	0	0	-50	0	0.00	-0.19	-0.19
Rajasthan	-187	413	0	-187	397	0	-4.49	9.58	5.09
UP	617	872	0	938	580	0	9.53	5.35	14.87
Uttarakhand	17	27	0	-386	156	0	-2.22	0.80	-1.42
Total	**1767**	**1316**	**0**	**1431**	**878**	**0**	**36.13**	**11.71**	**47.83**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1958	1406	48	0	0	0
Delhi	1370	779	17	-333	0	0
Haryana	736	736	234	-82	0	0
HP	-1152	-1402	20	-440	0	0
J&K	-824	-824	50	-464	0	0
CHD	0	0	10	-50	0	0
Rajasthan	-187	-187	413	356	0	0
UP	1087	73	969	-100	0	0
Uttarakhand	19	-462	157	-161	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	**8.33%**

(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	2	15
Rajasthan	4	27
Delhi	1	23
UP	0	10
Uttarakhand	3	24
HP	2	25
J & K	4	23
Chandigarh	2	19

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.06.2017 :

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 : 25.06.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER