पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.06.2017

Date of Reporting : 02.06.2017

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
46185	871	47056	0.00	42772	277	43049	0.00	1023.62	8.91

* 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	24.43	15.76	0.26	40.45	106.49	105.74	-0.75	146.19	0.00
Haryana	20.30	0.70	0.00	21.00	117.90	117.40	-0.50	138.40	0.00
Rajasthan	105.01	0.00	8.16	113.17	57.51	59.00	1.49	172.16	0.00
Delhi	14.89		0.00	14.89	90.00	89.00	-1.00	103.89	0.12
UP	184.67	17.56	0.00	202.23	151.55	152.71	1.16	354.94	0.00
Uttarakhand		15.95	5.40	21.35	17.93	18.02	0.09	39.38	0.00
HP		15.11	5.89	21.00	2.38	4.86	2.48	25.86	0.00
J & K		23.05	0.00	23.05	14.38	14.24	-0.14	37.29	8.80
Chandigarh				0.00	6.09	5.52	-0.57	5.52	0.00
Total	**349.31**	**88.13**	**19.71**	**457.14**	**564.21**	**566.48**	**2.27**	**1023.62**	8.91

* 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	6049	0	-276	1102	6050	0	-39	1567	6546	17	0
Haryana	6461	0	-14	685	5732	0	-52	720	6932	21	0
Rajasthan	7462	0	8	-71	7025	0	360	-139	8853	24	0
Delhi	4494	0	-41	482	4081	0	156	268	5231	24	0
UP	16633	370	399	2069	15683	0	71	2632	17005	23	450
Uttarakhand	1777	0	102	11	1524	0	-63	45	1793	21	0
HP	1067	0	153	-1593	914	0	202	-1406	1261	11	0
J&K	2005	501	127	-823	1572	277	152	-722	2056	21	514
Chandigarh	236	0	-30	-20	193	0	-47	-10	280	15	0
Total	**46185**	**871**	**429**	**1843**	**42772**	**277**	**739**	**2954**	**48441**	**23**	**871**

* 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	1725	1738	1648	38.74	1614	38.15	0.58
	Rihand I STPS (2*500)	1000	923	998	782	19.80	825	19.91	-0.11
	Rihand II STPS (2*500)	1000	943	923	841	20.10	838	19.93	0.17
	Rihand III STPS (2*500)	1000	943	979	708	19.52	813	19.45	0.07
	Dadri I STPS (4*210)	840	769	414	315	8.76	365	8.92	-0.16
	Dadri II STPS (2*490)	980	929	685	508	14.62	609	14.80	-0.18
	Unchahar I TPS (2*210)	420	350	367	232	6.70	279	6.76	-0.06
	Unchahar II TPS (2*210)	420	383	369	244	6.97	291	6.92	0.05
	Unchahar III TPS (1*210)	210	192	139	116	3.23	135	3.28	-0.05
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1421	1378	951	25.11	1046	26.59	-1.49
	Dadri GPS (4*130.19+2*154.51)	830	749	361	213	6.43	268	6.57	-0.14
	Anta GPS (3*88.71+1*153.2)	419	382	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	602	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.08	3	0.07	0.00
	KHEP(4*200)	800	792	868	648	16.81	700	15.60	1.21
	Sub Total (A)	**12612**	**11108**	**9219**	**7206**	**187**	**7789**	**187**	**-0.08**
B. NPC	NAPS (2*220)	440	383	412	417	9.08	379	9.19	-0.11
	RAPS- B (2*220)	440	353	398	401	8.57	357	8.44	0.13
	RAPS- C (2*220)	440	418	442	448	9.61	401	10.03	-0.42
	Sub Total (B)	**1320**	**1154**	**1252**	**1266**	**27.27**	**1136**	**27.67**	**-0.40**
C. NHPC	Chamera I HPS (3*180)	540	523	551	555	12.93	539	12.63	0.30
	Chamera II HPS (3*100)	300	301	308	303	7.29	304	7.22	0.07
	Chamera III HPS (3*77)	231	232	234	237	5.56	232	5.54	0.03
	Bairasuil HPS(3*60)	180	179	184	125	3.06	127	2.79	0.27
	Salal-HPS (6*115)	690	649	661	684	15.91	663	15.57	0.34
	Tanakpur-HPS (3*31.4)	94	51	62	62	1.47	61	1.23	0.24
	Uri-I HPS (4*120)	480	474	480	480	11.64	485	11.38	0.26
	Uri-II HPS (4*60)	240	239	244	244	5.77	240	5.72	0.04
	Dhauliganga-HPS (4*70)	280	280	282	0	3.52	147	3.31	0.20
	Dulhasti-HPS (3*130)	390	386	392	404	9.33	389	9.26	0.06
	Sewa-II HPS (3*40)	120	119	127	41	1.84	77	1.75	0.09
	Parbati 3 (4*130)	520	514	433	0	2.01	84	1.92	0.10
	Sub Total (C)	**4065**	**3946**	**3959**	**3135**	**80**	**3347**	**78**	**2.00**
D.SJVNL	NJPC (6*250)	1500	1482	1561	1581	37.10	1546	35.50	1.60
	Rampur HEP (6*68.67)	412	408	439	439	10.44	435	9.79	0.65
	Sub Total (D)	**1912**	**1890**	**2000**	**2020**	**47.54**	**1981**	**45.29**	**2.25**
E. THDC	Tehri HPS (4*250)	1000	399	360	260	7.76	323	7.90	-0.14
	Koteshwar HPS (4*100)	400	175	303	101	4.25	177	4.20	0.05
	Sub Total (E)	**1400**	**574**	**663**	**361**	**12.00**	**500**	**12.10**	**-0.10**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	569	1096	346	13.94	581	13.66	0.27
	Dehar HPS (6*165)	990	485	495	495	11.70	488	11.64	0.06
	Pong HPS (6*66)	396	165	312	52	4.04	168	3.97	0.07
	Sub Total (F)	**2765**	**1220**	**1903**	**893**	**29.68**	**1237**	**29.27**	**0.41**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	136	127	2.65	110	3.66	-1.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	24.44	1019	24.20	0.25
	Malana Stg-II HPS (2*50)	100	0	108	40	1.19	49	1.13	0.05
	Shree Cement TPS (2*150)	300	0	118	90	2.71	113	2.66	0.06
	Budhil HPS(IPP) (2*35)	70	0	73	73	1.74	72	1.67	0.07
	Sub Total (G)	**1662**	**0**	**1535**	**1431**	**32.73**	**1364**	**33.31**	**-0.59**
H. Total Regional Entities (A-G)		**25737**	**19892**	**20531**	**16313**	**416.48**	**17353**	**412.99**	**3.49**

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	160	160	3.45	144
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.22	93
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	183	381	5.75	240
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	660	330	13.11	546
	Talwandi Saboo (3*660)	1980	0	0	-0.07	-3

	Thermal (Total)	**6560**	**1103**	**971**	24.43	**1018**
	Total Hydro	1000	692	606	15.76	657
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.20	8
	Solar	560	0	0	0.06	3
	Renewable(Total)	**848**	**0**	**0**	**0.26**	**11**
	Total Punjab	**8408**	**1795**	**1577**	**40.45**	**1685**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.25	10
	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	962	740	20.05	835
	Thermal (Total)	**4497**	**962**	**740**	**20.30**	**846**
	Total Hydro	62	15	31	0.70	29
	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**	**977**	**771**	**21.00**	**875**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	805	775	19.37	807
	suratgarh TPS (6*250)	1500	199	190	4.54	189
	Chabra TPS (4*250)	1000	567	566	13.97	582
	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	163	165	4.07	170
	RAPS A (NPC) (1*100+1*200)	300	168	165	4.13	172
	Barsingsar (NLC) (2*125)	250	110	113	2.52	105
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	498	438	14.20	592
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	905	829	21.02	876
	Kawai(Adani) (2*660)	1320	904	864	21.21	884
	Thermal (Total)	**9536**	**4319**	**4105**	**105.01**	**4375**
	Total Hydro	550	0	0	0.00	0
	Wind power	4017	156	975	10.28	428
	Biomass	99	25	25	0.61	25
	Solar	1295	0	0	-2.74	-114
	Renewable/Others (Total)	5411	181	1000	8.16	340
	Total Rajasthan	**15497**	**4500**	**5105**	**113.17**	**4715**
UP	Anpara TPS (3*210+2*500)	1630	1379	1374	32.86	1369
	Obra TPS (2*50+2*94+5*200)	1194	528	530	12.57	524
	Paricha TPS (2*110+2*220+2*250)	1160	887	654	18.15	756
	Panki TPS (2*105)	210	140	131	3.30	137
	Harduaganj TPS (1*60+1*105+2*250)	665	532	522	12.48	520
	Tanda TPS (NTPC) (4*110)	440	391	390	9.07	378
	Roza TPS (IPP) (4*300)	1200	1071	765	23.71	988
	Anpara-C (IPP) (2*600)	1200	347	342	8.22	342
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	283	8.15	339
	Anpara-D(2*500)	1000	818	851	20.27	845
	Lalitpur TPS(3*660)	1980	1013	998	24.16	1007
	Bara(2*660)	1320	0	594	6.96	290
	Thermal (Total)	**12449**	**7511**	**7434**	**179.87**	**7495**
	Vishnuparyag HPS (IPP)(4*110)	440	425	326	9.52	397
	Alaknanada(4*82.5)	330	164	164	3.95	165
	Other Hydro	527	98	226	4.08	170
	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**	**8398**	**8350**	**202.23**	**8426**
Uttarakhand	Other Hydro	1250	652	695	15.95	665
	Total Gas	225	178	181	4.64	193
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.77	32
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.77	32
	Total Uttarakhand	**1802**	**830**	**876**	**21.35**	**890**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	32	32	0.83	35
	Pragati Gas Turbine (2x104+ 1x122)	330	149	157	3.72	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	259	264	6.37	265
	Badarpur TPS (NTPC) (3*95+2*210)	705	171	165	3.99	166
	Thermal (Total)	**2917**	**611**	**618**	**14.89**	**621**
	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**	**611**	**618**	**14.89**	**621**
HP	Baspa HPS (IPP) (3*100)	300	220	250	5.97	249
	Malana HPS (IPP) (2*43)	86	74	46	1.18	49
	Other Hydro (>25MW)	372	342	262	7.96	332
	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	245	263	5.89	246
	Renewable(Total)	**486**	**245**	**263**	**5.89**	**246**
	Total HP	**1244**	**881**	**821**	**21.00**	**875**
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**	**18960**	**19057**	**457.14**	**19048**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**8967**	**8272**	**164.75**	**6865**
Total Regional Availability(Gross)		**76475**	**48459**	**43642**	**1038.38**	**43266**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10737**	**8325**	**214.62**	**8943**
State Control Area Hydro	**7163**	**4073**	**3989**	**94.02**	**4142**
Total Regional Hydro	**19397**	**14810**	**12315**	**308.64**	**13085**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.15**	**6**
State Control Area Renewable	**7356**	**426**	**1263**	**15.08**	**628**
Total Regional Renewable	**7386**	**426**	**1263**	**15.23**	**635**

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)	-50	-250	0	500	0.00	7.35	-7.35
765 KV Gwalior-Agra (D/C)	2297	2142	2392	0	40.94	0.00	40.94
400 KV Zerda-Kankroli	-65	-178	0	370	0.00	4.78	-4.78
400 KV Zerda-Bhinmal	20	-111	70	247	0.00	2.12	-2.12
220 KV Auraiya-Malanpur	11	20	0	66	0.00	0.15	-0.15
220 KV Badod-Kota/Morak	-3	-14	26	-104	0.00	-0.44	0.44
Mundra-Mohindergarh(HVDC Bipole)	2003	1502	2005	0	37.28	0.00	37.28
400 KV RAPPC-Sujalpur	320	188	379	0	5.82	0.00	5.82
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	768	721	911	0	15.44	0.00	15.44
+/- 800 kV HVDC Champa-Kurushetra	1500	600	1500	0	22.77	0	22.77
Sub Total WR	**6801**	**4620**			**122.24**	**13.96**	**108.28**
400 kV Sasaram - Varanasi	198	190	215	0	5.01	0.00	5.01
400 kV Sasaram - Allahabad	44	51	55	0	0.89	0.00	0.89
400 KV MZP- GKP (D/C)	166	622	723	3	10.84	0.00	10.84
400 KV Patna-Balia(D/C) X 2	447	652	682	0	11.98	0.00	11.98
400 KV B'Sharif-Balia (D/C)	43	189	212	0	2.35	0.00	2.35
765 KV Gaya-Balia	267	330	356	0	4.99	0.00	4.99
765 KV Gaya-Varanasi (D/C)	214	351	351	351	5.00	0.00	5.00
220 KV Pusauli-Sahupuri	218	203	226	0	4.42	0.00	4.42
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-48	-28	0	48	0.00	0.92	-0.92
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-215	-78	0	238	0.00	2.66	-2.66
400 KV Barh -GKP (D/C)	492	504	520	0	10.03	0.00	10.03
400 kV B'Sharif - Varanasi (D/C)	40	-134	108	148	0.00	0.79	-0.79
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1866**	**2852**			**55.50**	**4.37**	**51.14**
+/- 800 KV HVDC BiswanathCharialli-Agra	300	800	800	0.00	5.33	0.00	5.33
Sub Total NER	**300**	**800**			**5.33**	**0.00**	**5.33**
Total IR Exch	**8967**	**8272**			**183.07**	**18.32**	**164.75**

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
42.33	1.17	43.50	10.89	7.06	1.26	-0.17	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
55.64	122.12	177.77	56.47	108.28	164.75	0.82	-13.84	-13.02

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	-23	0	29	0	1	-0.61

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	17.40	50.32	71.31	9.88	1.44	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	8.03	49.75	11.55	49.97	0.061	0.070	0.00	0.00	28.69

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	473.69	329.69	478.26	420.92	787.09	511.85
Pong	426.72	384.05	394.29	116.59	390.93	67.89	178.62	323.21
Tehri	829.79	740.04	743.40	16.17	741.65	7.90	143.62	282.00
Koteshwar	612.50	598.50	610.00	4.69	607.85	3.54	282.00	279.68
Chamera-I	760.00	748.75	753.66	0.00	0.00	0.00	322.66	350.81
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	514.32	6.28	504.42	3.49	316.47	125.12

*** 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	1567	0	0	1092	9	0	35.31	0.27	35.58
Delhi	795	-527	0	752	-270	0	19.27	-5.89	13.37
Haryana	461	259	0	461	224	0	11.07	5.90	16.97
HP	-1094	-312	0	-1045	-548	0	-24.78	-6.71	-31.49
J&K	-722	0	0	-722	-101	0	-17.33	-5.51	-22.84
CHD	0	-10	0	0	-20	0	0.00	-0.03	-0.03
Rajasthan	-150	11	0	-378	307	0	-4.75	7.35	2.61
UP	813	1819	0	736	1333	0	7.71	15.41	23.12
Uttarakhand	31	14	0	-90	101	0	0.31	0.03	0.35
Total	**1701**	**1254**	**0**	**806**	**1036**	**0**	**26.81**	**10.81**	**37.62**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1609	974	34	0	0	0
Delhi	1076	643	67	-728	0	0
Haryana	461	461	289	162	0	0
HP	-937	-1210	-65	-612	0	0
J&K	-722	-722	0	-498	0	0
CHD	0	0	30	-25	0	0
Rajasthan	-150	-378	381	-108	0	0
UP	829	-33	1917	-30	0	0
Uttarakhand	32	-151	137	-171	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	0	11
Haryana	0	11
Rajasthan	1	22
Delhi	1	17
UP	1	16
Uttarakhand	3	31
HP	5	41
J & K	4	37
Chandigarh	2	19

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.06.2017 :

XVI. Synchronisation of new generating units :

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

1. First Time charging of 400kV Bay no. 401, 402 at 765kV Mainpuri (UP) at 1522 Hrs on 01.06.2017.
2. First Time charging of 400kV Bay no. 407 at 765kV Mainpuri (UP) at 1548 Hrs on 01.06.2017.

3. First Time charging of 400kV Parbati-II to Banala at 1840 Hrs on 01.06.2017

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 : 01.06.2017 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**