पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
उत्तर क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.05.2018
Date of Reporting : 02.05.2018

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
47325	765	48089	50.02	45018	272	45290	49.99	1055.98	10.45

* 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	Gas/Naptha/ Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	58.52	9.87	0.00	3.24	0.00	2.90	74.53	74.43	73.25	-1.18	147.78	0.00
Haryana	60.16	0.34	7.70	0.15	0.00	1.16	69.51	79.19	81.14	1.95	150.64	0.05
Rajasthan	95.36	0.00	3.58	12.03	34.61	0.60	146.18	60.17	62.65	2.48	208.84	0.00
Delhi	4.96	0.00	18.88	0.00	0.00	0.00	23.84	83.14	80.50	-2.64	104.35	0.00
UP	158.57	8.48	0.00	3.38	0.00	20.40	190.83	135.59	142.47	6.88	333.30	0.00
Uttarakhand	0.00	12.37	6.83	0.70	0.00	0.00	19.89	18.38	18.08	-0.31	37.97	0.00
HP	0.00	9.52	0.00	0.00	0.00	3.81	13.33	10.58	10.66	0.08	23.98	0.00
J & K	0.00	18.64	0.00	0.00	0.00	0.00	18.64	27.39	25.45	-1.94	44.09	10.41
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.24	5.03	-0.21	5.03	0.00
Total	**377.58**	**59.22**	**36.99**	**19.50**	**34.61**	**28.86**	**556.76**	**494.11**	**499.22**	**5.11**	**1055.98**	10.45

* 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	6131	0	18	373	6558	0	-116	373	7144	22	0
Haryana	7142	0	145	229	7107	0	168	1228	7482	24	0
Rajasthan	7862	0	-584	-61	8373	0	-229	40	9788	24	0
Delhi	4381	0	-252	242	4561	0	51	322	5090	1	0
UP	16484	240	460	1443	14265	0	-289	1818	16737	24	0
Uttarakhand	1878	0	98	135	1501	0	-11	359	1878	20	0
HP	1116	0	-67	-913	932	0	28	-388	1262	8	0
J&K	2100	525	-71	-435	1542	272	-114	-534	2229	21	557
Chandigarh	231	0	-36	0	179	0	4	10	255	15	0
Total	**47325**	**765**	**-289**	**1013**	**45018**	**272**	**-508**	**3225**	**50490**	**24**	**349**

* 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	1128	1265	1221	26.79	1116	25.78	1.01
	Rihand I STPS (2*500)	1000	440	462	488	10.04	418	9.68	0.36
	Rihand II STPS (2*500)	1000	943	1000	992	21.53	897	21.23	0.30
	Rihand III STPS (2*500)	1000	943	870	985	20.34	847	19.68	0.66
	Dadri I STPS (4*210)	840	769	427	430	10.66	444	10.67	-0.01
	Dadri II STPS (2*490)	980	883	532	848	15.69	654	16.82	-1.13
	Unchahar I TPS (2*210)	420	277	149	269	4.63	193	4.76	-0.13
	Unchahar II TPS (2*210)	420	382	289	297	6.14	256	6.25	-0.11
	Unchahar III TPS (1*210)	210	0	0	0	0.00	0	0.00	0.00
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	932	777	789	18.35	765	18.83	-0.48
	Dadri GPS (4*130.19+2*154.51)	830	0	119	159	3.21	134	3.33	-0.12
	Anta GPS (3*88.71+1*153.2)	419	0	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	0	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	2	0	0	0.07	3	0.05	0.02
	KHEP(4*200)	800	792	738	0	5.46	228	5.20	0.26
	Sub Total (A)	**12612**	**7493**	**6628**	**6478**	**143**	**5958**	**142**	**0.63**
B. NPC	NAPS (2*220)	440	182	211	214	4.55	189	4.37	0.18
	RAPS- B (2*220)	440	372	420	409	8.95	373	8.92	0.03
	RAPS- C (2*220)	440	410	461	461	9.78	408	9.84	-0.06
	Sub Total (B)	**1320**	**964**	**1092**	**1084**	**23.28**	**970**	**23.13**	**0.15**
C. NHPC	Chamera I HPS (3*180)	540	534	541	73	6.85	285	6.71	0.14
	Chamera II HPS (3*100)	300	296	301	204	6.22	259	6.11	0.11
	Chamera III HPS (3*77)	231	228	230	155	4.42	184	4.35	0.07
	Bairasuil HPS(3*60)	180	89	114	103	2.13	89	2.08	0.05
	Salal-HPS (6*115)	690	455	450	496	11.79	491	10.91	0.88
	Tanakpur-HPS (3*31.4)	94	30	29	34	0.81	34	0.71	0.10
	Uri-I HPS (4*120)	480	474	484	483	11.74	489	11.38	0.35
	Uri-II HPS (4*60)	240	238	244	244	5.81	242	5.70	0.11
	Dhauliganga-HPS (4*70)	280	277	277	72	2.03	84	2.12	-0.09
	Dulhasti-HPS (3*130)	390	387	405	388	9.44	394	9.28	0.16
	Sewa-II HPS (3*40)	120	119	114	0	1.26	53	1.25	0.01
	Parbati 3 (4*130)	520	40	387	0	1.01	42	0.96	0.05
	Sub Total (C)	**4065**	**3165**	**3574**	**2251**	**64**	**2646**	**62**	**1.95**
D.SJVNL	NJPC (6*250)	1500	1497	1493	501	15.85	660	15.90	-0.06
	Rampur HEP (6*68.67)	412	412	413	149	4.55	189	4.42	0.13
	Sub Total (D)	**1912**	**1910**	**1906**	**650**	**20.39**	**850**	**20.32**	**0.07**
E. THDC	Tehri HPS (4*250)	1000	447	433	0	3.56	148	3.57	-0.01
	Koteshwar HPS (4*100)	400	74	102	72	1.77	74	1.77	0.00
	Sub Total (E)	**1400**	**521**	**535**	**72**	**5.34**	**222**	**5.34**	**0.00**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	704	1211	629	16.93	705	16.90	0.03
	Dehar HPS (6*165)	990	337	660	330	8.34	347	8.08	0.26
	Pong HPS (6*66)	396	83	156	104	2.11	88	1.99	0.12
	Sub Total (F)	**2765**	**1124**	**2027**	**1063**	**27.38**	**1141**	**26.97**	**0.41**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	109	72	2.01	84	1.92	0.09
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	245	8.65	360	8.51	0.14
	Malana Stg-II HPS (2*50)	100	0	40	0	0.80	33	0.75	0.05
	Shree Cement HPS (2*150)	300	0	156	139	3.63	151	3.70	-0.07
	Budhil HPS(IPP) (2*35)	70	0	26	35	0.91	38	1.02	-0.12
	Sainj HPS (IPP) (2*50)	100	0					0.77	
	Sub Total (G)	**1762**	**0**	**1331**	**492**	**15.99**	**666**	**15.90**	**0.09**
H. Total Regional Entities (A-G)		**25837**	**15176**	**17093**	**12090**	**298.87**	**12453**	**295.57**	**3.30**

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	3.36	140
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.02	1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	192	193	4.38	183
	Goindwal(GVK) (2*270)	540	145	246	4.03	168
	Rajpura (2*700)	1400	660	1320	22.85	952
	Talwandi Saboo (3*660)	1980	924	1150	23.89	996
	Thermal (Total)	**6560**	**2081**	**3069**	58.52	**2439**
	Total Hydro	1000	380	354	9.87	411
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	2.90	121
	Solar	859	0	0	3.24	135
	Renewable(Total)	**1162**	**0**	**0**	**6.13**	**256**
	Total Punjab	**8722**	**2461**	**3423**	**74.53**	**3105**
Haryana	Panipat TPS (2*210+2*250)	920	795	823	18.27	761
	DCRTPP (Yamuna nagar) (2*300)	600	292	293	6.29	262
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	368	363	7.70	321
	RGTPP (khedar) (IPP) (2*600)	1200	1020	1064	22.71	946
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	549	473	12.89	537
	Thermal (Total)	**4497**	**3024**	**3016**	**67.86**	**2828**
	Total Hydro	62	5	27	0.34	14
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	1.16	48
	Solar	50	0	0	0.15	6
	Renewable(Total)	**156**	**0**	**0**	**1.31**	**55**
	Total Haryana	**4715**	**3029**	**3043**	**69.51**	**2896**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	894	903	21.84	910
	suratgarh TPS (6*250)	1500	517	692	15.03	626
	Chabra TPS (4*250)	1000	612	553	14.26	594
	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	151	142	3.58	149
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	111	109	2.56	107
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	706	501	17.77	740
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	410	10.78	449
	Kawai(Adani) (2*660)	1320	544	595	13.13	547
	Thermal (Total)	**9536**	**3944**	**3905**	**98.94**	**4123**
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	1655	2088	34.61	1442
	Biomass	102	25	25	0.60	25
	Solar	1995	28	0	12.03	501
	Renewable/Others (Total)	6389	1708	2113	47.24	1968
	Total Rajasthan	**16475**	**5652**	**6018**	**146.18**	**6091**
UP	Anpara TPS (3*210+2*500)	1630	1292	1324	28.49	1187
	Obra TPS (2*50+2*94+5*200)	1194	498	487	9.76	407
	Paricha TPS (2*110+2*220+2*250)	1160	224	522	8.02	334
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	254	317	6.82	284
	Tanda TPS (NTPC) (4*110)	440	221	215	5.36	224
	Roza TPS (IPP) (4*300)	1200	601	601	14.81	617
	Anpara-C (IPP) (2*600)	1200	1087	918	19.74	823
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	219	2.32	97
	Anpara-D(2*500)	1000	758	736	15.56	648
	Lalitpur TPS(3*660)	1980	1588	1030	27.33	1139
	Bara(3*660)	1980	1138	872	20.36	848
	Thermal (Total)	**13109**	**7661**	**7241**	**158.57**	**6607**
	Vishnuparyag HPS (IPP)(4*110)	440	326	246	6.15	256
	Alaknanada(4*82.5)	330	152	82	1.96	82
	Other Hydro	527	33	3	0.37	16
	Cogeneration	1360	850	850	20.40	850
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
	Solar	472	0	0	3.38	141
	Renewable(Total)	**498**	**0**	**0**	**3.38**	**141**
	Total UP	**16264**	**9022**	**8422**	**190.83**	**7951**
Uttarakhand	Other Hydro	1250	733	398	12.37	515
	Total Gas	450	282	288	6.83	284
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.70	29
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.70	29
	Total Uttarakhand	**2107**	**1015**	**686**	**19.89**	**829**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	70	65	1.73	72
	Pragati Gas Turbine (2x104+ 1x122)	330	260	262	6.37	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	449	450	10.78	449
	Badarpur TPS (NTPC) (3*95+2*210)	705	298	147	4.96	207
	Thermal (Total)	**2917**	**1078**	**924**	**23.84**	**993**
	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**	**1078**	**924**	**23.84**	**993**

HP	Baspa HPS (IPP) (3*100)	300	151	121	3.04	127
	Malana HPS (IPP) (2*43)	86	43	6	0.69	29
	Other Hydro (>25MW)	372	255	254	5.78	241
	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	183	144	3.81	159
	Renewable(Total)	**486**	**183**	**144**	**3.81**	**159**
	Total HP	**1244**	**632**	**524**	**13.33**	**555**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	670	590	14.44	602
	Other Hydro/IPP(including 98 MW Small Hydro)	308	182	160	4.20	175
	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 Abov	98	0	0	0.00	0
	Renewable(Total)	**98**	**0**	**0**	**0.00**	**0**
	Total J & K	**1398**	**852**	**750**	**19**	**777**
Total State Control Area Generation		**53860**	**23741**	**23790**	**556.76**	**23198**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6276**	**7386**	**216.32**	**9013**
Total Regional Availability(Gross)		**79697**	**47110**	**43266**	**1071.95**	**44664**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9929**	**4354**	**134.44**	**5564**
State Control Area Hydro	**7468**	**3395**	**2672**	**59.22**	**2940**
Total Regional Hydro	**19702**	**13324**	**7026**	**193.66**	**8504**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.14**	**6**
State Control Area Renewable	**9214**	**1891**	**2257**	**62.57**	**2607**
Total Regional Renewable	**9244**	**1891**	**2257**	**62.71**	**2613**

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	250	250	-250	1.89	2.23	-0.34
765 KV Gwalior-Agra (D/C)	1926	1957	2289	0	45.39	0.00	45.39
400 KV Zerda-Kankroli	-319	-347	0	416	0.00	7.38	-7.38
400 KV Zerda-Bhinmal	-288	-292	0	399	0.00	6.17	-6.17
220 KV Auraiya-Malanpur	-180	-125	0	180	0.00	3.05	-3.05
220 KV Badod-Kota/Morak	29	-19	164	68	1.02	0.00	1.02
Mundra-Mohindergarh(HVDC Bipole)	298	301	303	0	7.38	0.00	7.38
400 KV RAPPC-Sujalpur	108	134	313	0	3.92	0.00	3.92
400 KV Vindhyachal-Rihand	-885	-942	0	961	0.00	20.39	-20.39
765 kV Phagi-Gwalior (D/C)	1036	1502	1575	0	32.31	0.00	32.31
+/- 800 kV HVDC Champa-Kurushetra	1650	1650	2000	0	38.50	0	38.50
765KV Orai-Jabalpur	0	0	0	0	19.82	0	19.82
765KV Orai-Satna	0	0	0	0	41.89	0	41.89
765KV Orai-Gwalior	0	0	0	0	0.00	7	-7.13
Sub Total WR	**3625**	**4069**			**192.12**	**46.35**	**145.77**
400 kV Sasaram - Varanasi	85	69	93	0	1.82	0.00	1.82
400 kV Sasaram - Allahabad	60	74	89	0	1.63	0.00	1.63
400 KV MZP- GKP (D/C)	276	410	490	0	7.21	0.00	7.21
400 KV Patna-Balia(D/C) X 2	501	573	897	0	11.01	0.00	11.01
400 KV B'Sharif-Balia (D/C)	221	220	305	0	5.50	0.00	5.50
765 KV Gaya-Balia	427	294	536	0	8.83	0.00	8.83
765 KV Gaya-Varanasi (D/C)	395	526	765	0	9.98	0.00	9.98
220 KV Pusauli-Sahupuri	165	141	171	0	3.41	0.00	3.41
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.53	-0.53
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-148	19	80	148	0.00	0.52	-0.52
400 KV Motihari -GKP (D/C)	219	192	276	0	4.75	0.00	4.75
400 kV B'Sharif - Varanasi (D/C)	50	99	225	0	2.59	0.00	2.59
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**2251**	**2617**			**57.69**	**1.05**	**56.64**
+/- 800 KV HVDC BiswanathCharialli-Agra	400	700	700	0.00	13.91	0.00	13.91
Sub Total NER	**400**	**700**			**13.91**	**0.00**	**13.91**
Total IR Exch	**6276**	**7386**			**263.72**	**47.40**	**216.32**

2.65

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
43.57	0.42	43.99	25.54	6.40	6.03	9.32	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
75.14	135.76	210.90	70.55	145.77	216.32	-4.59	10.01	5.42

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	-28	-24	0	28	0	1	-0.59

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	1.98	48.14	78.74	17.21	2.15	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	6.03	49.84	21.35	50.00	0.025	0.049	50.10	49.90	21.26

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	406	7:46	399	15:45	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	7:52	103	18:02	0.4	0.4	0.0	0.0	0.4
Bareilly(PG)400kV	400	416	7:56	395	18:56	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	6:05	401	23:50	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	6:03	402	23:11	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	419	6:02	398	23:17	0.0	0.0	0.0	0.0	0.0
Bawana	400	417	6:01	398	23:15	0.0	0.0	0.0	0.0	0.0
Bassi	400	415	4:02	386	23:12	0.0	6.4	0.0	0.0	0.0
Hissar	400	414	9:04	394	23:12	0.0	0.0	0.0	0.0	0.0
Moga	400	415	9:03	399	23:12	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	419	5:18	400	23:16	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	421	5:16	406	23:14	0.0	0.0	2.0	0.0	2.0
Kishenpur	400	415	3:58	403	21:10	0.0	0.0	0.0	0.0	0.0
Wagoora	400	406	3:14	389	20:10	0.0	3.9	0.0	0.0	0.0
Amritsar	400	420	9:04	404	22:55	0.0	0.0	0.0	0.0	0.0
Kashipur	400	402	0:00	402	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	414	9:29	403	21:17	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	414	9:01	390	18:58	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 Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	783	6:03	751	22:12	0.0	0.0	0.0	0.0	0.0
Balia	765	788	7:52	754	19:29	0.0	0.0	0.0	0.0	0.0
Moga	765	794	9:04	761	23:20	0.0	0.0	0.0	0.0	0.0
Agra	765	791	6:03	755	22:13	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	796	5:16	765	22:22	0.0	0.0	0.0	0.0	0.0
Unnao	765	777	7:52	740	0:11	0.0	4.2	0.0	0.0	0.0
Lucknow	765	792	7:47	755	19:01	0.0	0.0	0.0	0.0	0.0
Meerut	765	803	7:58	766	23:21	0.0	0.0	5.5	0.0	5.5
Jhatikara	765	796	6:02	758	22:23	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	794	7:52	755	18:58	0.0	0.0	0.0	0.0	0.0
Anta	765	790	3:58	762	22:11	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	4:08	758	22:25	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	467.90	234.83	326.72	632.82	470.49	277.56
Pong	426.72	384.05	394.09	111.75	39.59	166.11	396.39	146.09
Tehri	829.79	740.04	751.25	58.17	752.10	63.90	91.63	120.00
Koteshwar	612.50	598.50	610.08	4.51	611.32	5.20	120.00	117.38
Chamera-I	760.00	748.75	755.13	0.00	0.00	0.00	184.05	185.80
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	498.86	2.68	515.82	7.07	184.04	102.97

*** 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	373	0	0	373	0	0	8.95	0.00	8.95
Delhi	374	-52	0	320	-77	0	9.37	-2.53	6.84
Haryana	224	1004	0	214	15	0	3.89	6.12	10.01
HP	-450	61	0	-504	-409	0	-10.22	-0.54	-10.76
J&K	-752	218	0	-752	317	0	-18.05	7.94	-10.11
CHD	0	10	0	0	0	0	0.00	0.60	0.60
Rajasthan	-8	48	0	-8	-53	0	-0.20	0.12	-0.08
UP	1818	0	0	1443	0	0	41.65	0.00	41.65
Uttarakhand	34	324	0	29	105	0	0.98	6.45	7.43
Total	**1612**	**1613**	**0**	**1114**	**-101**	**0**	**36.37**	**18.16**	**54.53**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	373	373	0	0	0	0
Delhi	477	319	327	0	0	0
Haryana	224	114	1004	12	0	0
HP	554	379	589	8	0	0
J&K	752	752	486	0	0	0
CHD	0	0	69	0	0	0
Rajasthan	8	8	576	1	0	0
UP	1839	1423	0	0	0	0
Uttarakhand	64	29	494	22	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	1	21
Haryana	0	12
Rajasthan	1	15
Delhi	6	58
UP	3	39
Uttarakhand	5	27
HP	2	17
J & K	3	27
Chandigarh	3	32

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.05.2018 :

XVI. Synchronisation of new generating units :

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

(i) At Fatehpur (PG), 220kV bays no. 213 & 214 first time charged at 17:50 Hrs on 01.05.2018.
(ii) At Kurukshetra (PG), 400 KV bay No. 437 for Reactor first time charged at 18.10 Hrs. on 01.05.2018.

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 : 01.05.2018 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**