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

Power Supply Position in Northern Region for 26.05.2018

Date of Reporting : 27.05.2018

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
51069	1937	53006	49.90	51964	887	52851	50.04	1218.00	16.92

* 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	92.25	11.41	0.00	4.16	0.00	2.66	110.47	79.18	76.99	-2.19	187.47	0.00
Haryana	69.33	0.52	0.00	0.17	0.00	0.79	70.82	90.45	92.17	1.72	162.98	0.68
Rajasthan	119.49	0.00	4.01	8.54	14.05	4.47	150.57	76.51	79.69	3.18	230.25	6.64
Delhi	7.13	0.00	23.17	0.00	0.00	0.00	30.30	86.75	86.24	-0.51	116.55	0.00
UP	201.21	13.41	0.00	3.34	0.00	1.20	219.16	177.62	187.28	9.66	406.43	0.99
Uttarakhand	0.00	16.49	6.48	0.76	0.00	0.00	23.72	21.01	20.84	-0.17	44.55	0.19
HP	0.00	10.72	0.00	0.00	0.00	3.97	14.69	8.09	8.85	0.76	23.54	0.05
J & K	0.00	18.94	0.00	0.00	0.00	0.00	18.94	20.30	21.49	1.19	40.43	8.38
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.95	5.79	-0.16	5.79	0.00
Total	489.41	71.48	33.66	16.97	14.05	13.09	638.67	565.86	579.33	13.47	1218.00	16.92

* 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	6921	0	-74	-80	7552	0	-96	21	8158	13	0
Haryana	7476	400	-102	471	6965	0	105	572	7553	21	400
Rajasthan	8980	179	-258	206	9658	0	288	86	10281	1	0
Delhi	4715	0	38	371	5311	0	106	633	5822	1	0
UP	17858	940	-26	1771	18109	620	380	2018	18391	24	5
Uttarakhand	1987	0	-51	312	1765	0	46	408	2076	21	0
HP	1211	0	-2	-1078	959	15	-16	-485	1369	11	0
J&K	1671	418	-209	-305	1424	251	411	-222	1800	21	450
Chandigarh	251	0	-35	0	221	0	-11	30	294	15	0
Total	51069	1937	-718	1669	51964	887	1213	3062	54066	1	248

* 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	1648	1806	1823	40.14	1672	39.56	0.58
	Rihand I STPS (2*500)	1000	923	980	1004	22.14	923	22.13	0.01
	Rihand II STPS (2*500)	1000	471	509	511	11.50	479	11.30	0.20
	Rihand III STPS (2*500)	1000	892	817	1018	21.45	894	21.39	0.06
	Dadri I STPS (4*210)	840	461	460	458	10.88	453	10.90	-0.02
	Dadri II STPS (2*490)	980	279	298	298	7.20	300	6.65	0.55
	Unchahar I TPS (2*210)	420	382	390	393	8.93	372	9.11	-0.18
	Unchahar II TPS (2*210)	420	382	364	420	9.01	376	9.11	-0.10
	Unchahar III TPS (1*210)	210	191	197	210	4.46	186	4.56	-0.10
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	600	657	637	14.09	587	14.32	-0.23
	Dadri GPS (4*130.19+2*154.51)	830	0	141	168	3.77	157	4.06	-0.29
	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	3	0	0	0.07	3	0.05	0.02
	KHEP(4*200)	800	872	864	0	6.93	289	6.30	0.63
	Sub Total (A)	**12612**	**7108**	**7483**	**6940**	**161**	**6693**	**160**	**1.13**
B. NPC	NAPS (2*220)	440	180	196	208	4.19	175	4.32	-0.13
	RAPS- B (2*220)	440	355	395	402	8.55	356	8.52	0.03
	RAPS- C (2*220)	440	410	453	452	9.71	405	9.78	-0.07
	Sub Total (B)	**1320**	**945**	**1044**	**1062**	**22.45**	**936**	**22.62**	**-0.17**
C. NHPC	Chamera I HPS (3*180)	540	534	552	363	7.54	314	7.20	0.34
	Chamera II HPS (3*100)	300	296	302	302	7.20	300	7.11	0.09
	Chamera III HPS (3*77)	231	228	235	232	5.19	216	5.06	0.13
	Bairasuil HPS(3*60)	180	62	121	61	1.72	72	1.48	0.24
	Salal-HPS (6*115)	690	420	682	445	10.91	454	10.09	0.82
	Tanakpur-HPS (3*31.4)	94	39	55	42	1.14	47	0.94	0.20
	Uri-I HPS (4*120)	480	475	483	483	11.71	488	11.40	0.31
	Uri-II HPS (4*60)	240	228	244	244	5.43	226	5.46	-0.03
	Dhauliganga-HPS (4*70)	280	204	281	143	3.72	155	3.58	0.14
	Dulhasti-HPS (3*130)	390	387	402	407	9.52	397	9.28	0.24
	Sewa-II HPS (3*40)	120	119	127	0	0.65	27	0.60	0.05
	Parbati 3 (4*130)	520	83	512	0	2.05	85	2.00	0.05
	Kishanganga(3*110)	330	0	158	154	3.73	155	3.62	0.11
	Sub Total (C)	**4395**	**3076**	**4154**	**2876**	**70**	**2937**	**68**	**2.67**
D.SJVNL	NJPC (6*250)	1500	1497	1625	472	21.47	894	20.50	0.97
	Rampur HEP (6*68.67)	412	412	441	138	6.12	255	5.69	0.43
	Sub Total (D)	**1912**	**1910**	**2066**	**610**	**27.59**	**1149**	**26.19**	**1.40**
E. THDC	Tehri HPS (4*250)	1000	526	530	0	4.25	177	4.20	0.05
	Koteshwar HPS (4*100)	400	93	200	70	2.27	94	2.23	0.04
	Sub Total (E)	**1400**	**619**	**730**	**70**	**6.52**	**272**	**6.43**	**0.09**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	602	931	442	14.59	608	14.44	0.15
	Dehar HPS (6*165)	990	511	825	330	12.40	517	12.25	0.15
	Pong HPS (6*66)	396	70	150	0	1.72	71	1.69	0.02
	Sub Total (F)	**2765**	**1183**	**1906**	**772**	**28.71**	**1196**	**28.38**	**0.33**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	90	84	2.16	90	2.06	0.10
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1032	0	11.09	462	10.62	0.47
	Malana Stg-II HPS (2*50)	100	0	80	85	1.15	48	1.08	0.07
	Shree Cement TPS (2*150)	300	0	259	257	6.12	255	6.58	-0.46
	Budhil HPS(IPP) (2*35)	70	0	69	69	1.31	55	1.37	-0.06
	Sainj HPS (IPP) (2*50)	100	0					1.18	
	Sub Total (G)	**1762**	**0**	**1530**	**495**	**21.82**	**909**	**21.71**	**0.11**
H. Total Regional Entities (A-G)		**26167**	**14840**	**18912**	**12825**	**338.22**	**14092**	**332.66**	**5.56**

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	690	630	14.86	619
	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	778	939	19.51	813
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2
	Rajpura (2*700)	1400	710	1320	26.52	1105
	Talwandi Saboo (3*660)	1980	924	1400	31.42	1309
	Thermal (Total)	**6560**	**3102**	**4289**	92.25	**3844**
	Total Hydro	1000	454	407	11.41	475
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	2.66	111
	Solar	859	0	0	4.16	173
	Renewable(Total)	**1162**	**0**	**0**	**6.81**	**284**
	Total Punjab	**8722**	**3556**	**4696**	**110.47**	**4603**
Haryana	Panipat TPS (2*210+2*250)	920	791	568	18.21	759
	DCRTPP (Yamuna nagar) (2*300)	600	559	289	8.64	360
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1114	1091	25.84	1077
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	616	1072	16.64	693
	Thermal (Total)	**4497**	**3080**	**3020**	**69.33**	**2889**
	Total Hydro	62	14	20	0.52	22
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.79	33
	Solar	50	0	0	0.17	7
	Renewable(Total)	**156**	**0**	**0**	**0.97**	**40**
	Total Haryana	**4715**	**3094**	**3040**	**70.82**	**2951**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	983	950	24.20	1008
	suratgarh TPS (6*250)	1500	1134	1331	31.94	1331
	Chabra TPS (4*250)	1000	692	693	16.61	692
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	14	14	0.35	15
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	135	158	3.66	153
	RAPS A (NPC) (1*100+1*200)	300	173	172	4.01	167
	Barsingsar (NLC) (2*125)	250	223	207	5.10	213
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	846	858	20.50	854
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	558	561	10.47	436
	Kawai(Adani) (2*660)	1320	457	458	10.67	445
	Thermal (Total)	**9536**	**5215**	**5402**	**127.52**	**5313**
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	562	706	14.05	586
	Biomass	102	19	19	0.46	19
	Solar	1995	34	0	8.54	356
	Renewable/Others (Total)	6389	615	725	23.05	961
	Total Rajasthan	**16475**	**5830**	**6127**	**150.57**	**6274**
UP	Anpara TPS (3*210+2*500)	1630	1318	1322	33.50	1396
	Obra TPS (2*50+2*94+5*200)	1194	482	475	11.53	480
	Paricha TPS (2*110+2*220+2*250)	1160	698	879	16.83	701
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	557	533	12.71	530
	Tanda TPS (NTPC) (4*110)	440	380	375	8.46	352
	Roza TPS (IPP) (4*300)	1200	896	865	20.68	862
	Anpara-C (IPP) (2*600)	1200	1101	1092	26.21	1092
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	401	401	8.68	362
	Anpara-D(2*500)	1000	877	902	21.63	901
	Lalitpur TPS(3*660)	1980	899	897	19.00	792
	Bara(3*660)	1980	748	1115	21.99	916
	Thermal (Total)	**13109**	**8357**	**8856**	**201.21**	**8384**
	Vishnuparyag HPS (IPP)(4*110)	440	315	345	8.00	333
	Alaknanada(4*82.5)	330	85	82	2.97	124
	Other Hydro	527	103	181	2.44	102
	Cogeneration	1360	500	500	1.20	50
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
	Solar	472	0	0	3.34	139
	Renewable(Total)	**498**	**0**	**0**	**3.34**	**139**
	Total UP	**16264**	**9360**	**9964**	**219.16**	**9132**
Uttarakhand	Other Hydro	1250	724	553	16.49	687
	Total Gas	450	264	282	6.48	270
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.76	31
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.76	31
	Total Uttarakhand	**2107**	**988**	**835**	**23.72**	**988**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	3	139	1.82	76
	Pragati Gas Turbine (2x104+ 1x122)	330	275	264	5.78	241
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	675	661	15.58	649
	Badarpur TPS (NTPC) (3*95+2*210)	705	324	313	7.13	297
	Thermal (Total)	**2917**	**1277**	**1377**	**30.30**	**1263**
	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**	**1277**	**1377**	**30.30**	**1263**

HP	Baspa HPS (IPP) (3*100)	300	251	251	2.02	84
	Malana HPS (IPP) (2*43)	86	34	68	0.99	41
	Other Hydro (>25MW)	372	366	335	7.71	321
	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	179	159	3.97	166
	Renewable(Total)	**486**	**179**	**159**	**3.97**	**166**
	Total HP	**1244**	**830**	**813**	**14.69**	**612**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	678	0	15.46	644
	Other Hydro/IPP(including 98 MW Small Hydro)	308	159	132	3.49	145
	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**	**837**	**132**	**18.94**	**789**
Total State Control Area Generation		**53860**	**25772**	**26984**	**638.67**	**26611**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7467**	**9328**	**258.14**	**10756**
Total Regional Availability(Gross)		**80027**	**52151**	**49137**	**1235.03**	**51460**

IV. Total Hydro Generation:

Regional Entities Hydro	**12564**	**10922**	**4497**	**155.92**	**6442**
State Control Area Hydro	**7468**	**3626**	**2815**	**71.48**	**3445**
Total Regional Hydro	**20032**	**14548**	**7312**	**227.41**	**9888**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.15**	**6**
State Control Area Renewable	**9214**	**794**	**884**	**38.90**	**1621**
Total Regional Renewable	**9244**	**794**	**884**	**39.05**	**1627**

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	0	5.96	0.00	5.96
765 KV Gwalior-Agra (D/C)	1184	1331	1423	0	26.62	0.00	26.62
400 KV Zerda-Kankroli	-232	-249	0	346	0.00	5.99	-5.99
400 KV Zerda-Bhinmal	-118	-171	0	299	0.00	4.08	-4.08
220 KV Auraiya-Malanpur	32	47	52	0	0.70	0.00	0.70
220 KV Badod-Kota/Morak	-87	11	45	0	0.00	0.62	-0.62
Mundra-Mohindergarh(HVDC Bipole)	1398	1397	1406	0	33.31	0.00	33.31
400 KV RAPPC-Sujalpur	160	203	280	0	3.09	0.00	3.09
400 KV Vindhyachal-Rihand	-776	-964	0	972	0.00	21.59	-21.59
765 kV Phagi-Gwalior (D/C)	1284	1490	1625	0	31.05	0.00	31.05
+/- 800 kV HVDC Champa-Kurushetra	2300	2300	2300	0	52.66	0	52.66
765KV Orai-Jabalpur	0	0	0	0	21.32	0	21.32
765KV Orai-Satna	0	0	0	0	40.00	0	40.00
765KV Orai-Gwalior	0	0	0	0	0.00	7	-6.72
Sub Total WR	**5395**	**5645**			**214.71**	**39.00**	**175.71**
400 kV Sasaram - Varanasi	1	33	18	62	0.00	1.19	-1.19
400 kV Sasaram - Allahabad	-125	-68	0	125	0.00	1.71	-1.71
400 KV MZP- GKP (D/C)	132	426	560	0	9.12	0.00	9.12
400 KV Patna-Balia(D/C) X 2	5	752	923	0	13.69	0.00	13.69
400 KV B'Sharif-Balia (D/C)	383	424	546	0	10.49	0.00	10.49
765 KV Gaya-Balia	400	582	588	0	12.53	0.00	12.53
765 KV Gaya-Varanasi (D/C)	159	260	274	0	5.20	0.00	5.20
220 KV Pusauli-Sahupuri	189	174	198	0	4.17	0.00	4.17
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	-0.70	0.70
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-124	-18	133	186	0.45	0.00	0.45
400 KV Motihari -GKP (D/C)	-28	186	254	47	2.95	0.00	2.95
400 kV B'Sharif - Varanasi (D/C)	80	-68	161	147	1.55	0.00	1.55
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	12.10	0.00	12.10
Sub Total ER	**1572**	**3183**			**73.22**	**2.20**	**71.02**
+/- 800 KV HVDC BiswanathCharialli-Agra	500	500	500	0.00	11.41	0.00	11.41
Sub Total NER	**500**	**500**			**11.41**	**0.00**	**11.41**
Total IR Exch	**7467**	**9328**			**299.33**	**41.19**	**258.14**

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
61.48	1.77	63.25	26.08	7.26	0.93	5.22	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
88.49	159.03	247.52	82.43	175.71	258.14	-6.06	16.68	10.62

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	-23	-19	0	26	0	0	-0.46

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	1.70	14.40	40.60	82.30	56.20	2.80	0.40	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)	
50.13	13.03	49.57	19.49	49.91	0.169	0.093	50.04	49.70	43.80

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	404	6:03	398	23:31	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	5:01	394	19:12	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	411	5:09	393	16:18	0.0	0.0	0.0	0.0	0.0
Kanpur	400	414	5:00	397	15:24	0.0	0.0	0.0	0.0	0.0
Dadri	400	411	4:02	392	15:24	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	412	5:01	391	15:26	0.0	0.0	0.0	0.0	0.0
Bawana	400	410	5:01	390	15:25	0.0	0.0	0.0	0.0	0.0
Bassi	400	411	4:01	391	0:01	0.0	0.0	0.0	0.0	0.0
Hissar	400	408	4:03	391	15:24	0.0	0.0	0.0	0.0	0.0
Moga	400	407	4:00	395	14:39	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	414	5:01	396	15:27	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	415	4:10	398	14:39	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	407	4:01	399	12:47	0.0	0.0	0.0	0.0	0.0
Wagoora	400	403	2:31	392	19:51	0.0	0.0	0.0	0.0	0.0
Amritsar	400	410	4:03	396	12:44	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	406	3:26	400	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	409	5:01	387	16:24	0.0	4.5	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	776	5:02	743	12:46	0.0	0.0	0.0	0.0	0.0
Balia	765	793	7:02	753	19:17	0.0	0.0	0.0	0.0	0.0
Moga	765	783	5:01	752	14:36	0.0	0.0	0.0	0.0	0.0
Agra	765	783	5:03	748	14:37	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	793	4:01	758	15:28	0.0	0.0	0.0	0.0	0.0
Unnao	765	769	7:18	741	19:49	0.0	0.1	0.0	0.0	0.0
Lucknow	765	794	5:02	761	19:12	0.0	0.0	0.0	0.0	0.0
Meerut	765	796	5:03	708	16:40	0.1	0.1	0.0	0.0	0.1
Jhatikara	765	778	5:01	729	15:26	0.0	6.2	0.0	0.0	0.0
Bareilly 765 kV	765	795	5:01	762	15:49	0.0	0.0	0.0	0.0	0.0
Anta	765	790	5:09	766	12:49	0.0	0.0	0.0	0.0	0.0
Phagi	765	793	4:01	759	15:28	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	455.75	86.44	471.21	287.87	478.41	548.38
Pong	426.72	384.05	392.36	84.61	394.56	116.59	33.22	143.06
Tehri	829.79	740.04	744.20	20.03	745.20	24.98	135.69	152.00
Koteshwar	612.50	598.50	610.65	4.89	609.16	4.21	152.00	149.35
Chamera-I	760.00	748.75	753.98	0.00	0.00	0.00	199.58	204.86
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	498.84	3.20	513.59	6.85	160.68	158.98

*** 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	121	-101	0	121	-201	0	2.92	-0.91	2.01
Delhi	647	-14	0	548	-177	0	15.21	-0.10	15.11
Haryana	667	-95	0	467	4	0	6.11	0.44	6.55
HP	-509	24	0	-691	-387	0	-10.50	-3.18	-13.68
J&K	-750	528	0	-750	445	0	-18.01	9.75	-8.26
CHD	0	30	0	0	0	0	0.00	0.74	0.74
Rajasthan	-8	94	0	-8	214	0	-0.20	7.00	6.80
UP	1851	168	0	1389	383	0	41.40	-4.09	37.31
Uttarakhand	64	344	0	59	253	0	1.27	5.66	6.93
Total	**2083**	**979**	**0**	**1135**	**534**	**0**	**38.20**	**15.31**	**53.51**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	121	121	0	-201	0	0
Delhi	748	543	673	-891	0	0
Haryana	667	-145	273	-174	0	0
HP	-157	-793	241	-444	0	0
J&K	-750	-750	528	261	0	0
CHD	0	0	89	-15	0	0
Rajasthan	-8	-8	1020	-94	0	0
UP	1873	1294	599	-690	0	0
Uttarakhand	64	34	364	11	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	**11.46%**
ER	**0.00%**
Simultaneous	**19.10%**

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

WR	**38.54%**
ER	**0.00%**
Simultaneous	**43.06%**

(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	1	19
Rajasthan	3	16
Delhi	3	30
UP	1	15
Uttarakhand	3	35
HP	3	35
J & K	3	23
Chandigarh	4	32

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.05.2018 :

XVI. Synchronisation of new generating units :

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

0.00

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 : 26.05.2018 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**