

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO118682

Power Supply Position in Northern Region for 23.05.2018

Date of Reporting : 24.05.2018



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
51846	1824	53670	49.90	52417	976	53393	50.04	1237.88	19.36

* 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 MU:s

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/Naphtha/Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	96.64	12.23	0.00	4.16	0.00	2.66	115.68	69.00	67.73	-1.27	183.41	0.00
Haryana	78.81	0.53	0.00	0.16	0.00	0.58	80.08	83.97	85.28	1.31	165.36	3.94
Rajasthan	128.40	0.00	3.95	7.87	6.76	4.48	151.46	71.09	77.82	6.73	229.28	3.51
Delhi	7.25	0.00	21.05	0.00	0.00	0.00	28.31	94.44	93.29	-1.15	121.59	0.00
UP	209.87	14.50	0.00	3.00	0.00	12.00	239.37	175.08	182.36	7.28	421.73	2.00
Uttarakhand	0.00	14.81	5.48	0.64	0.00	0.00	20.93	22.10	23.56	1.46	44.49	0.86
HP	0.00	12.74	0.00	0.00	0.00	4.17	16.91	8.68	10.50	1.82	27.41	0.02
J & K	0.00	17.00	0.00	0.00	0.00	0.00	17.00	25.37	21.40	-3.97	38.40	9.04
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.02	6.20	0.18	6.20	0.00
Total	520.97	71.81	30.49	15.82	6.76	23.89	669.74	555.75	568.15	12.40	1237.88	19.36

* Shortage furnished by the respective constituent & others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MW:s

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	7022	0	65	-633	7352	0	61	-331	8232	15	113
Haryana	7699	0	242	389	6996	0	5	512	7807	21	0
Rajasthan	8989	0	273	-79	9438	0	108	-83	10295	8	0
Delhi	5004	0	-117	142	5260	0	170	266	6029	24	0
UP	17988	1380	100	1386	18756	700	402	1851	18756	3	700
Uttarakhand	1917	0	-137	230	1841	0	90	357	2032	21	0
HP	1193	0	-36	-1016	987	0	-21	-592	1405	11	0
J&K	1777	444	-304	-38	1565	276	-175	130	1967	22	492
Chandigarh	258	0	-24	-35	223	0	4	0	324	15	0
Total	51846	1824	62	345	52417	976	642	2111	53907	24	1329

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

III. Regional Entities :

Region	Station/ Constituent	Inst. Capacity	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI	
		(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU	
A. NTPC	Singrauli STPS (6*200+2*500)	2000	1660	1815	1816	40.49	1687	39.84	0.65	
	Rihand I STPS (2*500)	1000	704	474	1002	16.57	691	16.89	-0.32	
	Rihand II STPS (2*500)	1000	471	517	506	11.42	476	11.30	0.12	
	Rihand III STPS (2*500)	1000	943	1000	1006	22.63	943	22.61	0.02	
	Dadri I STPS (4*210)	840	769	778	773	16.88	703	17.74	-0.86	
	Dadri II STPS (2*490)	980	929	947	931	21.24	885	22.06	-0.82	
	Unchahar I TPS (2*210)	420	382	406	419	8.89	370	9.16	-0.27	
	Unchahar II TPS (2*210)	420	382	414	420	8.87	370	9.15	-0.28	
	Unchahar III TPS (1*210)	210	191	206	197	4.43	185	4.56	-0.13	
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
	ISTPP (Jhajhar) (3*500)	1500	732	843	743	17.13	714	17.38	-0.25	
	Dadri GPS (4*130.19+2*154.51)	830	0	161	165	3.87	161	4.26	-0.39	
	Anta GPS (3*88.71+1*153.2)	419	0	0	0	0.00	0	0.00	0.00	
	Auraya 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	1	0	0	0.02	1	0.03	-0.01	
	Singrauli Solar(15)	15	3	0	0	0.06	3	0.03	0.03	
KHEP(4*200)	800	872	847	215	7.88	328	7.25	0.63		
Sub Total (A)	12612	8040	8408	8193	180	7517	182	-1.87		
B. NPC	NAPS (2*220)	440	420	402	419	8.76	365	10.08	-1.33	
	RAPS- B (2*220)	440	354	395	398	8.53	355	8.50	0.03	
	RAPS- C (2*220)	440	410	452	454	9.70	404	9.84	-0.14	
	Sub Total (B)	1320	1184	1249	1271	26.98	1124	28.42	-1.44	
C. NHPC	Chamera I HPS (3*180)	540	534	546	180	6.90	287	6.68	0.22	
	Chamera II HPS (3*100)	300	296	297	301	6.38	266	6.30	0.08	
	Chamera III HPS (3*77)	231	228	235	233	4.43	185	4.25	0.18	
	Bairasul HPS(3*60)	180	59	106	61	1.65	69	1.42	0.23	
	Salaj-HPS (6*115)	690	386	447	343	9.87	411	9.25	0.62	
	Tanakpur-HPS (3*31.4)	94	40	51	16	1.17	49	0.96	0.21	
	Uri-I HPS (4*120)	480	475	488	481	11.77	490	11.40	0.37	
	Uri-II HPS (4*60)	240	238	245	244	5.82	243	5.70	0.12	
	Dhauliganga-HPS (4*70)	280	277	277	69	3.96	165	3.87	0.09	
	Dulhasi-HPS (3*130)	390	387	410	405	9.48	395	9.28	0.20	
	Sewa-II HPS (3*40)	120	119	125	0	0.71	30	0.70	0.01	
	Parbati 3 (4*130)	520	75	417	106	1.90	79	1.79	0.11	
	Sub Total (C)	4065	3112	3643	2439	64	2668	62	2.42	
D.SJVNL	NJPC (6*250)	1500	1497	1508	764	20.75	865	20.10	0.65	
	Rampur HEP (6*68.67)	412	412	416	215	5.98	249	5.59	0.39	
	Sub Total (D)	1912	1910	1924	979	26.73	1114	25.69	1.04	
E. THDC	Tehri HPS (4*250)	1000	443	537	0	3.92	163	3.85	0.07	
	Koteswar HPS (4*100)	400	84	181	71	2.05	85	2.01	0.04	
	Sub Total (E)	1400	527	718	71	5.97	249	5.86	0.11	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	640	1040	522	15.47	645	15.35	0.12	
	Dehar HPS (6*165)	990	439	825	420	10.66	444	10.54	0.12	
	Pons HPS (6*68)	396	75	150	100	1.90	79	1.80	0.10	
	Sub Total (F)	2765	1154	2015	1042	28.03	1168	27.69	0.34	
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	72	110	2.26	94	2.45	-0.19	
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	440	10.91	454	10.77	0.14	
	Malana Stg-II HPS (2*50)	100	0	0	100	0.88	37	0.83	0.05	
	Shree Cement TPS (2*150)	300	0	256	255	6.11	255	6.57	-0.46	
	Budhli HPS(IPP) (2*35)	70	0	35	69	1.05	44	1.02	0.03	
	Sainj HPS (IPP) (2*50)	100	0	0	0	0.00	0	1.09	0.00	
Sub Total (G)	1762	0	1363	975	21.20	883	21.64	-0.44		
H. Total Regional Entities (A-G)	25837	15927	19320	14970	353.35	14723	353.18	0.17		

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	340	8.10	337
	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	754	757	18.38	766
	Goidwal(GVK) (2*270)	540	290	290	9.07	378
	Rajpura (2*700)	1400	920	1320	31.14	1297
	Talwandi Saboo (3*660)	1980	924	1321	29.98	1249
	Thermal (Total)	6560	3208	4028	96.64	4026
	Total Hydro	1000	484	487	12.23	510
	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	3692	4515	115.68	4820
	Haryana	Panipat TPS (2*210+2*250)	920	814	819	19.02
DCRTPP (Yamuna nagar) (2*300)		600	286	569	9.47	395
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (kherda) (IPP) (2*600)		1200	1105	1111	25.81	1076
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1144	616	24.51	1021
Thermal (Total)		4497	3349	3115	78.81	3284
Total Hydro		62	28	21	0.53	22
Wind Power		0	0	0	0.00	0
Biomass		106	0	0	0.58	24
Solar		50	0	0	0.16	7
Renewable(Total)		156	0	0	0.74	31
Total Haryana		4715	3377	3136	80.08	3337
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1133	1109	26.64
	suratgarh TPS (6*250)	1500	1344	1310	31.66	1319
	Chabra TPS (4*250)	1000	920	921	22.14	922
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	7	0	0.13	5
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	148	159	3.83	159
	RAPS A (NPC) (1*100+1*200)	300	173	175	4.01	167
	Barsingsar (NLC) (2*125)	250	108	108	2.35	98
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	849	848	20.39	850
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	544	561	13.33	555
	Kawai(Adani) (2*660)	1320	492	504	11.91	496
	Thermal (Total)	9536	5718	5695	136.36	5682
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	213	684	6.76	282
	Biomass	102	20	20	0.47	20
	Solar	1995	26	0	7.87	328
	Renewable/Others (Total)	6389	259	704	15.10	629
	Total Rajasthan	16475	5977	6399	151.46	6311
UP	Anpara TPS (3*210+2*500)	1630	1321	1327	33.00	1375
	Obra TPS (2*50+2*94+5*200)	1194	478	305	9.60	400
	Paricha TPS (2*110+2*220+2*250)	1160	879	886	19.70	821
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	450	529	11.10	463
	Tanda TPS (NTPC) (4*110)	440	363	390	8.27	345
	Roza TPS (IPP) (4*300)	1200	928	933	21.10	879
	Anpara-C (IPP) (2*600)	1200	1087	1101	26.00	1083
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	358	401	8.10	338
	Anpara-D(2*500)	1000	903	898	21.60	900
	Lalitpur TPS(3*660)	1980	902	1590	24.80	1033
	Bara(3*660)	1980	1125	1146	26.60	1108
	Thermal (Total)	13109	8794	9506	209.87	8745
	Vishnupurag HPS (IPP)(4*110)	440	335	365	8.10	338
	Alakananda(4*82.5)	330	82	164	3.30	138
	Other Hydro	527	266	238	3.10	129
	Cogeneration	1360	500	500	12.00	500
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
Solar	472	0	0	3.00	125	
Renewable(Total)	498	0	0	3.00	125	
Total UP	16264	9977	10773	239.37	9974	
Uttarakhand	Other Hydro	1250	708	450	14.81	617
	Total Gas	450	230	227	5.48	228
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.64	27
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.64	27
	Total Uttarakhand	2107	938	677	20.93	872
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	100	103	2.38	99
	Pragati Gas Turbine (2x104+ 1x122)	330	263	275	6.69	279
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	435	543	11.98	499
	Badarpur TPS (NTPC) (3*95+2*210)	705	369	308	7.25	302
	Thermal (Total)	2917	1167	1229	28.31	1179
	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	1167	1229	28.31	1179	

HP	Baspa HPS (IPP) (3*100)	300	179	219	4.66	194	
	Malana HPS (IPP) (2*43)	86	19	79	0.84	35	
	Other Hydro (>25MW)	372	356	276	7.24	302	
	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	202	163	4.17	174	
	Renewable(Total)	486	202	163	4.17	174	
	Total HP	1244	756	738	16.91	705	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	590	541	13.52	563
		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 Above		98	0	0	0.00	0	
Renewable(Total)		98	0	0	0.00	0	
Total J & K		1398	749	673	17	709	
Total State Control Area Generation		53860	26633	28140	669.74	27906	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6454	7564	232.73	9697		
Total Regional Availability(Gross)		79697	52407	50674	1255.81	52325	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10218	5396	147.72	6111
State Control Area Hydro	7468	3638	3363	71.81	3421
Total Regional Hydro	19702	13856	8759	219.53	9532

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.11	4
State Control Area Renewable	9214	461	867	30.46	1269
Total Regional Renewable	9244	461	867	30.57	1274

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Diff Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-150	-150	150	250	0.98	2.22	-1.24
765 KV Gwalior-Agra (D/C)	1168	1316	1316	0	28.00	0.00	28.00
400 KV Zerda-Kankroli	-274	-239	0	346	0.00	6.28	-6.28
400 KV Zerda-Bhinmal	-172	-171	0	276	0.00	4.01	-4.01
220 KV Auraiya-Malanpur	9	24	0	7	0.36	0.00	0.36
220 KV Badod-Kota/Morak	-70	28	40	0	0.00	0.14	-0.14
Mundra-Mohindergarh(HVDC Bipole)	1203	1002	1205	0	26.95	0.00	26.95
400 KV RAPPC-Sujalpur	30	175	256	0	3.00	0.00	3.00
400 KV Vindhychal-Rihand	-947	-954	0	973	0.00	23.14	-23.14
765 KV Phagt-Gwalior (D/C)	810	1380	1453	0	29.87	0.00	29.87
+/- 800 KV HVDC Champa-Kurushetra	2500	2500	2500	0	56.91	0	56.91
765KV Orai-Jabalpur	0	0	1046	0	18.19	0	18.19
765KV Orai-Satna	0	0	1875	0	41.20	0	41.20
765KV Orai-Gwalior	0	0	0	287	0.00	5	-4.95
Sub Total WR	4107	4911			205.45	40.74	164.71
400 kV Sasaram - Varanasi	-10	-36	0	68	0.00	0.82	-0.82
400 kV Sasaram - Allahabad	-83	-67	0	103	0.00	1.63	-1.63
400 KV MZP- GKP (D/C)	24	125	436	0	4.98	0.00	4.98
400 KV Patna-Balia(D/C) X 2	482	458	857	0	14.60	0.00	14.60
400 KV B Sharif-Balia (D/C)	176	164	369	0	5.93	0.00	5.93
765 KV Gaya-Balia	399	462	465	0	9.54	0.00	9.54
765 KV Gaya-Varanasi (D/C)	95	193	263	0	4.12	0.00	4.12
220 KV Pusaui-Sahupuri	202	184	205	0	4.51	0.00	4.51
132 KV Knasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.00	0.00
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-157	-71	109	157	0.00	0.69	-0.69
400 KV Mothari -GKP (D/C)	136	216	276	0	4.38	0.00	4.38
400 kV B Sharif - Varanasi (D/C)	83	25	-157	110	0.35	0.00	0.35
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	11.23	0.00	11.23
Sub Total ER	1847	2153			59.64	3.15	56.50
+/- 800 KV HVDC Biswanath Chariali-Agra	500	500	500	0.00	11.52	0.00	11.52
Sub Total NER	500	500			11.52	0.00	11.52
Total IR Exch	6454	7564			276.62	43.89	232.73

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
51.70	1.11	52.81	25.52	5.08	-5.40	-1.82	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
71.82	146.91	218.73	68.02	164.71	232.73	-3.80	17.80	14.00

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Diff Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-17	-29	0	30	0	0	-0.40

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	1.60	21.90	79.00	72.90	5.00	0.40	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.13	18.03	49.70	21.36	49.95	0.068	0.064	50.10	49.80	27.10

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	405	7:05	398	16:10	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	7:56	393	18:59	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	413	7:05	392	12:18	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	7:49	400	13:53	0.0	0.0	0.0	0.0	0.0
Dadri	400	414	6:51	396	14:47	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	412	7:00	394	14:49	0.0	0.0	0.0	0.0	0.0
Bawana	400	411	7:01	395	0:14	0.0	0.0	0.0	0.0	0.0
Bassi	400	410	18:02	392	0:13	0.0	0.0	0.0	0.0	0.0
Hissar	400	406	4:01	395	9:43	0.0	0.0	0.0	0.0	0.0
Moga	400	408	6:00	397	10:54	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	412	7:03	397	10:58	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	413	5:19	398	12:18	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	410	7:03	400	14:23	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	5:19	391	19:21	0.0	0.0	0.0	0.0	0.0
Amritsar	400	410	4:00	396	10:56	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	7:08	393	14:54	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	410	7:02	385	10:57	0.0	6.1	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	788	6:03	748	9:48	0.0	0.0	0.0	0.0	0.0
Balia	765	789	7:50	753	18:59	0.0	0.0	0.0	0.0	0.0
Moga	765	785	18:02	719	13:38	3.5	3.5	0.0	0.0	3.5
Agra	765	788	6:02	743	9:46	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	794	6:01	764	13:23	0.0	0.0	0.0	0.0	0.0
Unnao	765	773	7:56	742	12:17	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	7:47	755	12:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	799	7:02	723	17:03	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	783	7:05	748	9:44	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	795	7:07	758	12:13	0.0	0.0	0.0	0.0	0.0
Anta	765	793	18:02	763	9:43	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	18:02	733	22:40	0.0	0.1	0.0	0.0	0.0

Note: '0' in Max / Min Col -> Telemetry Outage

IX. Reservoir Parameters:

Name of Reservoir	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	456.36	92.40	470.20	272.43	439.99	596.64
Pong	426.72	384.05	392.65	88.85	394.68	121.45	37.77	150.84
Tehri	829.79	740.04	744.65	22.25	746.55	31.81	139.68	140.00
Koteswar	612.50	598.50	610.45	4.79	610.25	4.69	140.00	135.35
Chamera-I	760.00	748.75	753.80	0.00	0.00	0.00	181.13	186.41
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	498.82	3.37	513.95	7.12	156.57	145.53

* 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	-453	0	121	-754	0	2.92	-11.77	-8.85
Delhi	650	-383	0	549	-407	0	15.62	-7.74	7.88
Haryana	494	19	0	371	18	0	3.70	-0.24	3.46
HP	-519	-72	0	-904	-112	0	-10.34	-2.20	-12.54
J&K	-755	885	0	-755	717	0	-18.19	14.88	-3.31
CHD	0	0	0	0	-35	0	0.00	0.74	0.74
Rajasthan	-8	-75	0	-8	-71	0	-0.20	-0.86	-1.06
UP	1851	0	0	1391	-5	0	41.70	-0.03	41.67
Uttarakhand	34	322	0	29	201	0	0.98	6.34	7.32
Total	1867	244	0	794	-449	0	36.19	-0.88	35.31

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	121	121	754	453	0	0
Delhi	820	549	933	4	0	0
Haryana	536	33	183	9	0	0
HP	955	122	453	4	0	0
J&K	769	755	885	0	0	0
CHD	0	0	89	0	0	0
Rajasthan	8	8	1422	26	0	0
UP	1862	1349	5	0	0	0
Uttarakhand	64	29	520	7	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	5.56%
ER	0.00%
Simultaneous	0.35%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
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XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	0	12
Haryana	0	12
Rajasthan	3	33
Delhi	4	29
UP	1	13
Uttarakhand	3	28
HP	2	25
J & K	4	35
Chandigarh	6	63

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 23.05.2018 :****XVI. Synchronisation of new generating units :**

GT#06 at Chhabra first time Charged at 16:14 Hrs of 23.05.2018

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 : 23.05.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER