

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO118682

Power Supply Position in Northern Region for 24.05.2018

Date of Reporting : 25.05.2018



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
51706	418	52124	49.90	51468	1822	53290	50.04	1240.04	14.32

* 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:

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/Diesel	Solar	Wind	Other (Biomass/Small hydro/Co-Generation etc.)	Total					
Punjab	93.37	11.66	0.00	4.16	0.00	2.66	111.85	73.27	71.66	-1.61	183.51	0.00
Haryana	80.52	0.51	0.00	0.17	0.00	0.61	81.81	85.03	86.66	1.63	168.47	2.31
Rajasthan	124.41	0.00	4.90	11.45	7.72	4.54	153.01	76.89	82.99	6.10	236.00	3.65
Delhi	7.08	0.00	23.06	0.00	0.00	0.00	30.15	94.05	92.93	-1.13	123.07	0.05
UP	210.98	13.43	0.00	0.00	0.00	12.00	236.40	180.40	184.23	3.83	420.63	0.00
Uttarakhand	0.00	15.82	5.81	0.65	0.00	0.00	22.29	21.46	21.84	0.38	44.13	0.71
HP	0.00	12.34	0.00	0.00	0.00	4.48	16.82	6.31	9.85	3.54	26.66	0.19
J & K	0.00	18.33	0.00	0.00	0.00	0.00	18.33	10.49	13.21	2.72	31.54	7.41
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.87	6.02	0.15	6.02	0.00
Total	516.36	72.09	33.77	16.43	7.72	24.29	670.65	553.77	569.38	15.61	1240.04	14.32

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

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

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	6908	0	66	-532	7350	0	-76	-130	8325	13	0
Haryana	7709	0	-123	370	7056	0	66	506	7961	21	0
Rajasthan	8981	0	-339	-78	9557	530	511	-40	10522	8	0
Delhi	4963	0	-233	301	5419	0	149	476	5949	16	0
UP	18032	0	180	1389	17676	1050	409	1849	18365	13	0
Uttarakhand	2018	0	-38	254	1800	0	41	528	2071	21	0
HP	1174	0	19	-1146	1017	0	102	-675	1346	11	0
J&K	1672	418	117	-763	1369	242	297	-763	1672	20	418
Chandigarh	250	0	-32	0	225	0	18	0	319	16	0
Total	51706	418	-383	-204	51468	1822	1517	1752	53407	23	958

* 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 (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI	
									Net MU	Net MU
A. NTPC	Singrauli STPS (6*200+2*500)	2000	1657	1788	1812	40.05	1669	39.76	0.29	
	Rihand I STPS (2*500)	1000	542	895	492	13.47	561	12.99	0.48	
	Rihand II STPS (2*500)	1000	471	507	501	11.40	475	11.29	0.11	
	Rihand III STPS (2*500)	1000	943	988	1015	22.68	945	22.58	0.10	
	Dadri I STPS (4*210)	840	532	518	557	12.20	508	12.29	-0.09	
	Dadri II STPS (2*490)	980	643	622	668	15.44	644	15.29	0.15	
	Unchahar I TPS (2*210)	420	382	359	374	8.67	361	9.14	-0.47	
	Unchahar II TPS (2*210)	420	382	389	359	8.70	363	9.14	-0.44	
	Unchahar III TPS (1*210)	210	191	186	186	4.25	177	4.56	-0.31	
	Unchahar IV TPS(1*500)	500	0	0	0	0.00	0	0.00	0.00	
	ISTPP (Jhajjar) (3*500)	1500	678	731	628	15.84	660	16.20	-0.36	
	Dadri GPS (4*130.19+2*154.51)	830	0	158	166	3.76	157	4.08	-0.32	
	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	2	0	0	0.04	2	0.05	-0.01	
	Singrauli Solar(15)	15	2	0	0	0.06	3	0.05	0.01	
	KHEP(4*200)	800	872	865	198	6.93	289	6.60	0.33	
	Sub Total (A)	12612	7299	8006	6956	164	6814	164	-0.51	
	B. NPC	NAPS (2*220)	440	380	410	413	8.91	371	9.12	-0.21
RAPS- B (2*220)		440	354	397	399	8.52	355	8.50	0.02	
RAPS- C (2*220)		440	410	453	454	9.74	406	9.84	-0.11	
Sub Total (B)		1320	1144	1260	1266	27.17	1132	27.46	-0.29	
C. NHPC	Chamera I HPS (3*180)	540	534	545	181	6.60	275	6.40	0.20	
	Chamera II HPS (3*100)	300	296	298	302	6.90	287	6.79	0.10	
	Chamera III HPS (3*77)	231	228	230	233	4.75	198	4.60	0.15	
	Bairasul HPS(3*60)	180	64	121	52	1.76	73	1.52	0.24	
	Salaj-HPS (6*115)	690	427	443	450	11.04	460	10.24	0.80	
	Tanakpur-HPS (3*31.4)	94	44	47	38	1.24	51	1.06	0.18	
	Uri-I HPS (4*120)	480	474	485	480	11.71	488	11.38	0.33	
	Uri-II HPS (4*60)	240	238	244	244	5.82	242	5.70	0.12	
	Dhauliganga-HPS (4*70)	280	271	281	72	3.71	155	3.57	0.14	
	Dulhasti-HPS (3*130)	390	387	408	407	9.44	393	9.28	0.16	
	Sewa-II HPS (3*40)	120	119	126	0	0.63	26	0.60	0.03	
	Parbati 3 (4*130)	520	73	513	0	1.84	77	1.76	0.08	
	Sub Total (C)	4065	3154	3742	2459	65	2726	63	2.52	
	D.SJVNL	NJPC (6*250)	1500	1497	1496	788	20.40	850	20.15	0.25
Rampur HEP (6*68.67)		412	412	416	221	5.86	244	5.60	0.26	
Sub Total (D)		1912	1910	1912	1009	26.25	1094	25.75	0.50	
E. THDC	Tehri HPS (4*250)	1000	526	537	0	3.54	147	3.50	0.04	
	Koteswar HPS (4*100)	400	78	160	73	1.91	80	1.86	0.05	
	Sub Total (E)	1400	604	697	73	5.45	227	5.36	0.09	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	625	1040	523	15.15	631	14.99	0.16	
	Dehar HPS (6*165)	990	475	660	330	11.55	481	11.40	0.15	
	Pona HPS (6*66)	396	67	150	50	1.62	68	1.60	0.02	
	Sub Total (F)	2765	1166	1850	903	28.32	1180	27.99	0.33	
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	57	102	2.18	91	2.40	-0.23	
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	430	11.01	459	10.85	0.16	
	Malana Stg-II HPS (2*50)	100	0	0	85	1.09	45	1.02	0.06	
	Shree Cement TPS (2*150)	300	0	257	254	6.13	256	6.57	-0.44	
	Budhil HPS(IPP) (2*35)	70	0	38	69	1.13	47	1.02	0.11	
	Sainj HPS (IPP) (2*50)	100	0	0	0	0.00	0	1.14	0.00	
Sub Total (G)	1762	0	1352	939	21.53	897	21.86	-0.33		
H. Total Regional Entities (A-G)	25837	15276	18819	13605	337.67	14070	335.36	2.31		

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	7.90	329
	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	804	757	18.18	757
	Goidwal(GVK) (2*270)	540	350	290	8.76	365
	Rajpura (2*700)	1400	695	1320	27.93	1164
	Talwandi Saboo (3*660)	1980	1145	1400	30.59	1275
	Thermal (Total)	6560	3314	4107	93.37	3891
	Total Hydro	1000	433	464	11.66	486
	Wind Power	0	0	0	0.00	0
	Biomass	303	111	111	2.66	111
	Solar	859	0	0	4.16	173
	Renewable(Total)	1162	111	111	6.81	284
	Total Punjab	8722	3858	4682	111.85	4660
	Haryana	Panipat TPS (2*210+2*250)	920	816	818	19.30
DCRTPP (Yamuna nagra) (2*300)		600	284	291	6.57	274
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (kheadar) (IPP) (2*600)		1200	1108	1107	25.61	1067
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1186	1205	29.04	1210
Thermal (Total)		4497	3394	3421	80.52	3355
Total Hydro		62	11	24	0.51	21
Wind Power		0	0	0	0.00	0
Biomass		106	0	0	0.61	25
Solar		50	0	0	0.17	7
Renewable(Total)		156	0	445	0.78	33
Total Haryana		4715	3405	3445	81.81	3409
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	930	1079	23.16
	suratgarh TPS (6*250)	1500	1234	1333	31.67	1320
	Chabra TPS (4*250)	1000	912	923	22.03	918
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	19	30	0.69	29
	Ramgarh GPS(1*37.5 + 1*35.5 + 2*37.5 + 1*110 + 1*50)	271	172	155	4.21	175
	RAPS A (NPC) (1*100+1*200)	300	172	172	4.03	168
	Barsingsar (NLC) (2*125)	250	137	111	2.29	96
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	952	847	21.26	886
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	540	556	13.34	556
	Kawai(Adani) (2*660)	1320	433	447	10.65	444
	Thermal (Total)	9536	5501	5653	133.33	5555
	Total Hydro	550	0	0	0.00	0
	Wind power	4292	202	272	7.72	322
	Biomass	102	21	21	0.51	21
	Solar	1995	26	0	11.45	477
	Renewable/Others (Total)	6389	249	293	19.68	820
	Total Rajasthan	16475	5750	5946	153.01	6376
UP	Anpara TPS (3*210+2*500)	1630	1322	1308	33.89	1412
	Obra TPS (2*50+2*94+5*200)	1194	436	292	9.86	411
	Paricha TPS (2*110+2*220+2*250)	1160	847	865	20.29	845
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	578	539	12.36	515
	Tanda TPS (NTPC) (4*110)	440	383	389	8.73	364
	Roza TPS (IPP) (4*300)	1200	915	896	21.48	895
	Anpara-C (IPP) (2*600)	1200	1096	1087	26.03	1085
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	224	401	8.09	337
	Anpara-D(2*500)	1000	906	902	21.61	900
	Lalitpur TPS(3*660)	1980	901	900	21.49	895
	Bara(3*660)	1980	1148	1124	27.15	1131
	Thermal (Total)	13109	8756	8703	210.98	8791
	Vishnupurag HPS (IPP)(4*110)	440	345	335	7.74	322
	Alakananada(4*82.5)	330	82	154	3.09	129
	Other Hydro	527	77	238	2.60	108
	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	0.00	0	
Renewable(Total)	498	0	0	0.00	0	
Total UP	16264	9760	9930	236.40	9650	
Uttarakhand	Other Hydro	1250	756	624	15.82	659
	Total Gas	450	243	238	5.81	242
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.65	27
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.65	27
	Total Uttarakhand	2107	999	862	22.29	929
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	135	95	2.77	115
	Pragati Gas Turbine (2x104+ 1x122)	330	271	282	6.88	287
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	553	552	13.41	559
	Badarpur TPS (NTPC) (3*95+2*210)	705	309	345	7.08	295
	Thermal (Total)	2917	1268	1274	30.15	1256
	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	1268	1274	30.15	1256	

HP	Baspa HPS (IPP) (3*100)	300	187	256	4.54	189	
	Malana HPS (IPP) (2*43)	86	10	62	0.88	37	
	Other Hydro (>25MW)	372	364	326	6.93	289	
	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	211	185	4.48	187	
	Renewable(Total)	486	211	185	4.48	187	
	Total HP	1244	772	829	16.82	701	
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	687	590	14.85	619
		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	846	722	18	764	
Total State Control Area Generation		53860	26657	27690	670.65	27944	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6932	7792	246.63	10276		
Total Regional Availability(Gross)		79697	52408	49087	1254.96		

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10123	5259	147.78	6110
State Control Area Hydro	7468	3565	3628	72.09	3460
Total Regional Hydro	19702	13688	8887	219.87	9570

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.13	5
State Control Area Renewable	9214	571	589	32.41	1350
Total Regional Renewable	9244	571	589	32.54	1356

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)	1253	1261	1304	0	28.15	0.00	28.15
400 KV Zerda-Kankroli	-347	-227	0	390	0.00	6.53	-6.53
400 KV Zerda-Bhinmal	-172	-171	0	276	0.00	4.01	-4.01
220 KV Auraiya-Malanpur	67	23	0	8	0.85	0.00	0.85
220 KV Badod-Kota/Morak	-28	48	104	28	0.87	0.00	0.87
Mundra-Mohindergarh(HVDC Bipole)	1597	1197	1606	0	29.70	0.00	29.70
400 KV RAPPC-Sujalpur	114	290	339	0	4.59	0.00	4.59
400 KV Vindhychal-Rihand	-941	-966	0	976	0.00	22.91	-22.91
765 KV Phagt-Gwalior (D/C)	935	1427	1666	0	32.01	0.00	32.01
+/- 800 KV HVDC Champa-Kurushetra	2000	2500	2500	0	51.87	0	51.87
765KV Orai-Jabalpur	0	0	0	0	18.75	0	18.75
765KV Orai-Satna	0	0	0	0	42.09	0	42.09
765KV Orai-Gwalior	0	0	0	0	0.00	6	-5.86
Sub Total WR	4328	5232			209.86	41.53	168.33
400 kV Sasaram - Varanasi	-10	-36	29	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)	124	248	528	0	7.29	0.00	7.29
400 KV Patna-Balia(D/C) X 2	576	672	1028	0	18.00	0.00	18.00
400 KV B Sharif-Balia (D/C)	252	215	462	0	6.76	0.00	6.76
765 KV Gaya-Balia	548	392	548	0	9.49	0.00	9.49
765 KV Gaya-Varanasi (D/C)	-76	-246	273	51	4.88	0.00	4.88
220 KV Pusaali-Sahupuri	202	184	205	0	4.51	0.00	4.51
132 KV Knasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.66	-0.66
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-189	22	129	194	0.00	0.69	-0.69
400 KV Mothari -GKP (D/C)	149	259	296	0	5.47	0.00	5.47
400 kV B Sharif - Varanasi (D/C)	111	-83	171	184	1.61	0.00	1.61
+/- 800 KV HVDC Alipurduar-Agra	500	500	500	0	11.57	0.00	11.57
Sub Total ER	2104	2060			70.54	3.81	66.73
+/- 800 KV HVDC Biswanath Chariali-Agra	500	500	500	0.00	11.57	0.00	11.57
Sub Total NER	500	500			11.57	0.00	11.57
Total IR Exch	6932	7792			291.97	45.34	246.63

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
57.13	1.23	58.36	25.75	5.38	-6.46	0.05	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
76.42	153.81	230.23	78.30	168.33	246.63	1.88	14.52	16.40

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	-12	0	27	0	0	-0.27

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	1.00	16.60	69.40	77.30	5.60	0.70	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	19.03	49.74	14.43	49.96	0.053	0.062	50.05	49.79	22.70

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	12:01	399	23:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	412	5:02	392	19:18	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	406	6:01	389	12:47	0.0	0.0	0.0	0.0	0.0
Kanpur	400	410	4:01	397	12:48	0.0	0.0	0.0	0.0	0.0
Dadri	400	410	5:49	395	12:24	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	408	4:02	392	12:40	0.0	0.0	0.0	0.0	0.0
Bawana	400	408	6:00	393	12:30	0.0	0.0	0.0	0.0	0.0
Bassi	400	409	18:18	390	23:55	0.0	0.0	0.0	0.0	0.0
Hissar	400	404	3:38	393	12:45	0.0	0.0	0.0	0.0	0.0
Moga	400	407	5:59	394	12:44	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	409	3:48	395	12:23	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	412	3:57	396	12:24	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	6:03	398	14:36	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	1:44	391	19:29	0.0	0.0	0.0	0.0	0.0
Amritsar	400	410	4:03	394	11:35	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	405	6:49	391	11:42	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	399	23:57	379	12:27	0.8	31.0	0.0	0.0	0.8

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	772	5:09	744	19:47	0.0	0.0	0.0	0.0	0.0
Balia	765	778	17:01	753	19:47	0.0	0.0	0.0	0.0	0.0
Moga	765	781	6:00	755	12:44	0.0	0.0	0.0	0.0	0.0
Agra	765	778	4:01	755	23:20	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	787	3:03	764	10:37	0.0	0.0	0.0	0.0	0.0
Unnao	765	760	5:08	739	12:48	0.0	1.8	0.0	0.0	0.0
Lucknow	765	780	17:01	752	12:39	0.0	0.0	0.0	0.0	0.0
Meerut	765	792	6:01	715	20:10	0.0	0.1	0.0	0.0	0.0
Jhatikara	765	775	6:01	744	12:45	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	780	23:58	752	12:44	0.0	0.0	0.0	0.0	0.0
Anta	765	786	3:59	764	17:06	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	3:37	767	10:10	0.0	0.0	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	456.14	92.40	470.55	277.56	471.50	579.48
Pong	426.72	384.05	392.56	88.85	394.65	121.45	37.83	134.76
Tehri	829.79	740.04	744.65	22.25	746.05	29.26	133.35	127.00
Koteswar	612.50	598.50	610.31	4.72	610.10	4.60	127.00	126.22
Chamera-I	760.00	748.75	754.06	0.00	0.00	0.00	196.64	179.04
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	498.78	3.56	513.85	7.79	140.21	160.52

* 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	-251	0	121	-654	0	2.92	-7.44	-4.52
Delhi	652	-176	0	591	-290	0	15.87	-3.87	12.00
Haryana	490	16	0	355	15	0	5.39	0.39	5.78
HP	-520	-154	0	-753	-393	0	-10.75	-4.22	-14.97
J&K	-755	-7	0	-755	-7	0	-18.13	-0.17	-18.30
CHD	0	0	0	0	0	0	0.00	0.65	0.65
Rajasthan	-8	-32	0	-8	-70	0	-0.20	8.09	7.89
UP	1849	0	0	1394	-5	0	41.68	-0.03	41.65
Uttarakhand	34	493	0	29	225	0	0.98	6.60	7.58
Total	1864	-112	0	974	-1179	0	37.76	0.00	37.76

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	121	121	855	251	0	0
Delhi	771	553	893	3	0	0
Haryana	537	19	23	15	0	0
HP	854	81	453	3	0	0
J&K	755	755	7	7	0	0
CHD	0	0	89	0	0	0
Rajasthan	8	8	1447	0	0	0
UP	1867	1349	5	0	0	0
Uttarakhand	64	29	513	19	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	3.47%
ER	0.00%
Simultaneous	1.04%

(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	1	17
Haryana	2	18
Rajasthan	6	55
Delhi	6	40
UP	1	23
Uttarakhand	6	72
HP	6	52
J & K	7	38
Chandigarh	6	75

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 24.05.2018 :

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 : 24.05.2018

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER