



GRID CONTROLLER OF INDIA (GRID-INDIA)
NORTHERN REGIONAL LOAD DESPATCH CENTRE
DAILY OPERATION REPORT OF NORTHERN REGION

Power Supply Position in Northern Region For 21-Aug-2025

Date of Reporting:22-Aug-2025

1. Regional Availability/Demand:

Evening Peak (20:00) MW				Off-Peak (03:00) MW				Day Energy(Net MU)	
Demand Met	Shortage	Requirement	Freq (Hz)	Demand Met	Shortage	Requirement	Freq (Hz)	Demand Met	Shortage
77,526	795	78,321	50.04	68,975	0	68,975	50.05	1,732	3.05

2(A)State's Load Deails (At State Periphery) in MU:

State	State's Control Area Generation (Net MU)							Drawal Sch	Act Drawal	UI	Requirement	Shortage	Consumption
	Thermal	Hydro	Gas/Naptha/ Diesel	Solar	Wind	OthersBiomass/Co-gen etc.)	Total	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(Net MU)
PUNJAB	93.72	20.11	0	4.63	0	1.72	120.17	152.77	151.25	-1.52	271.42	0	271.42
HARYANA	46.7	1.04	1.29	1.13	0	1.14	51.3	207.38	206.64	-0.74	259.57	1.63	257.94
RAJASTHAN	124.19	2.71	2.24	21.91	7.66	6.18	164.89	170.21	172.27	2.06	337.16	0	337.16
DELHI	0	0	3.99	0	0	1.84	5.84	137.26	136.73	-0.53	142.57	0	142.57
UTTAR PRADESH	295.46	29.3	0	11.6	0	0.6	336.96	241.7	240.04	-1.66	577	0	577
UTTARAKHAND	0	23.32	0	0.66	0	0	23.98	25.14	25.78	0.64	51.08	1.32	49.76
HIMACHAL PRADESH	0	41.27	0	0.13	0	0	41.4	-6.1	-6.42	-0.32	34.98	0	34.98
J&K(UT) & Ladakh(UT)	0	20.9	0	0	0	0	20.9	28.15	29.33	1.18	50.33	0.1	50.23
CHANDIGARH	0	0	0	0	0	0	0	6.34	6.56	0.22	6.56	0	6.56
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	3.79	4.19	0.4	4.19	0	4.19
Region	560.07	138.65	7.52	40.06	7.66	11.48	765.44	966.64	966.37	-0.27	1,734.86	3.05	1,731.81

2(B)State Demand Met (Peak and off-peak Hrs)

State	Evening Peak (20:00) MW				AVG DEMAND MW	Off-Peak (03:00) MW			
	Demand Met	Shortage	UI	STOA/PX/RTM Transaction		Demand Met	Shortage	UI	STOA/PX/RTM Transaction
PUNJAB	11,862	0	-13	1,067	11,230	8,738	0	-263	273
HARYANA	11,575	450	-18	2,791	10,816	10,349	0	-61	3,126
RAJASTHAN	13,050	0	391	1,420	14,199	14,119	0	-314	3,094
DELHI	6,291	0	-43	1,302	5,933	5,288	0	99	1,170
UTTAR PRADESH	28,108	0	3	2,228	23,971	25,502	0	1	1,158
UTTARAKHAND	2,099	345	43	-284	2,074	1,969	0	55	-398
HIMACHAL PRADESH	1,498	0	20	-1,019	1,454	1,178	0	-14	-936
J&K(UT) & Ladakh(UT)	2,533	0	239	-582	2,093	1,432	0	209	-1,414
CHANDIGARH	330	0	8	-55	273	208	0	9	-141
RAILWAYS_NR ISTS	180	0	31	39	175	191	0	22	61
Region	77,526	795	661	6,907	72,218	68,974	0	-257	5,993

2(C)State's Demand Met in MWs (Maximum Demand Met and Maximum requirement of the day details)

State	Maximum Demand, corresponding shortage and requirement details for the day				Maximum requirement, corresponding shortage and demand details for the day						ACE			
	Maximum Demand Met of the day	Time	Shortage during at maximum demand	Requirement at the max demand met of the day	Maximum Requirement of the day	Time	Shortage during at maximum Requirement	Demand Met at maximum requiremnet	Min Demand Met	Time	ACE_MAX	Time	ACE_MIN	Time
PUNJAB	13,402	16:00	0	13,402	13,402	16:00	0	13,402	8,738	3:00	963.52	06:01:00	-664.6	13:46:00
HARYANA	12,096	22:00	88	12,183	12,183	22:00	88	12,096	9,363	7:00	581.09	20:02:00	-442.05	18:20:00
RAJASTHAN	15,340	10:00	0	15,340	15,340	10:00	0	15,340	12,813	19:00	891.27	14:19:00	-1,327.6	13:28:00
DELHI	6,868	15:00	0	6,868	6,868	15:00	0	6,868	4,779	6:00	232	10:46:00	-252.5	19:26:00
UP	28,766	21:00	0	28,766	28,766	21:00	0	28,766	18,791	7:00	2,272.43	19:01:00	-843.88	05:01:00
UTTARAKHA ..	2,302	16:00	0	2,302	2,302	16:00	0	2,302	1,926	11:00	277.34	20:15:00	-130.85	01:02:00
HP	1,671	7:00	0	1,671	1,671	7:00	0	1,671	1,178	2:00	252.36	12:04:00	-365.17	19:21:00
J&K(UT)&Lad ..	2,533	20:00	0	2,533	2,533	20:00	0	2,533	1,432	3:00	319.9	08:29:00	-306.9	21:18:00
CHANDIGARH	330	20:00	0	330	330	20:00	0	330	203	4:00	15.48	11:29:00	-40.95	23:01:00
RAILWAYS_NR ISTS	208	23:00	0	208	208	23:00	0	208	141	14:00	0	-	0	-
NR	78,817	22:00	353	79,170	79,170	22:00	353	78,817	63,568	7:00	0	-	0	-

3(A) State Entities Generation:

CHANDIGARH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
NIL										
Total	0	0	0					0	0	0
Total	0	0	0					0	0	0

DELHI										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BAWANA GPS(2 * 253 + 4 * 216)	1,370	-5	-3	-1.57	11:00	0		0	-0.08	-3
DELHI GAS TURBINES(3 * 34 + 6 * 30)	282	26	27	27.39	05:00	0		0.62	0.6	25
PRAGATI GAS TURBINES(1 * 121.2 + 2 * 104.6)	331	145	147	147.21	06:00	0		3.56	3.47	145
RITHALA GPS(3 * 36)	108	0	0	0		0				
Total GAS/NAPTHA/DIESEL	2,091	166	171					4.18	3.99	167
WIND	0	0	0	0		0				
BIOMASS(52)	52	68	69	0		0		1.87	1.84	77
SOLAR(2)	2	0	0	0		0				
Total DELHI	2,145	234	240					6.05	5.83	244

HARYANA										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
DCRTPP (YAMUNA NAGAR)(2 * 300)	600	342	343	379	00:00	322	18:00	8.98	8.1	338
JHAJJAR(CLP)(2 * 660)	1,320	1,118	754	1,203	00:00	741	09:00	22.36	20.84	868
MAGNUM DIESEL (IPP)(4 * 6.3)	25	0	0	0		0				
PANIPAT TPS(1 * 210 + 2 * 250)	710	319	367	416	00:00	319	20:00	9.48	8.5	354
RGTPP(KHEDAR)(2 * 600)	1,200	517	364	517	20:00	344	11:00	9.63	9.26	386
Total THERMAL	3,855	2,296	1,828					50.45	46.7	1,946
FARIDABAD GPS(1 * 156.07 + 2 * 137.75)	432	239	0	242	21:00	40	18:00	1.29	1.29	54
Total GAS/NAPTHA/DIESEL	432	239	0					1.29	1.29	54
TOTAL HYDRO HARYANA(64.8)	65	42	42	43	01:00	38	16:00	1.04	1.04	43
Total HYDEL	65	42	42					1.04	1.04	43
WIND	0	0	0	0		0				
BIOMASS(106)	106	0	0	0		0		1.14	1.14	48
SOLAR(196)	196	0	0	0		0		1.13	1.13	47
Total HARYANA	4,654	2,577	1,870					55.05	51.3	2,138

HIMACHAL PRADESH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BAJOLI HOLI(3*60)	180	198	136	198	20:00	41	06:00	3.16	3.16	132
BASPA (IPP) HPS(3 * 100)	300	309	307	310	10:00	307	06:00	7.4	7.4	308
MALANA (IPP) HPS(2 * 43)	86	0	0	0	01:00	0	06:00	0	0	0
MALANA2(2 * 50)	100	0	0	0		0				
SAWARA KUDDU(3 * 37)	111	111	111	111	01:00	74	16:00	2.59	2.59	108
OTHER HYDRO HP(503.75)	504	414	396	0		0		9.2	9.16	382
Total HYDEL	1,281	1,032	950					22.35	22.31	930
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR(1 * 19)	19	0	0	0		0		0.13	0.13	5
SMALL HYDRO(765.25)	765	817	764	0		0		18.98	18.96	790
Total SMALL HYDRO	765	817	764					18.98	18.96	790
Total HP	2,065	1,849	1,714					41.46	41.4	1,725

J&K(UT) & LADAKH(UT)										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GAS/DIESEL/OTHERS J&K(1 * 190)	190	0	0	0		0				
Total GAS/NAPTHA/DIESEL	190	0	0					0	0	0
BAGLIHAR (IPP) HPS(6 * 150)	900	0	0	0		0		18.39	18.39	766
OTHER HYDRO/IPP J&K(308)	308	0	0	0		0		2.52	2.52	105
Total HYDEL	1,208	0	0					20.91	20.91	871
WIND	0	0	0	0		0				
BIOMASS	0	0	0	0		0				
SOLAR	0	0	0	0		0				
SMALL HYDRO(98)	98	0	0	0		0				
Total SMALL HYDRO	98	0	0					0	0	0
Total J&K(UT)&Ladakh(UT)	1,496	0	0					20.91	20.91	871

PUNJAB										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GOINDWAL(GVK)(2 * 270)	540	491	290	491	20:00	290	01:00	8.94	8	333
GURU GOBIND SINGH TPS (ROPAR)(4 * 210)	840	384	378	400	21:00	361	05:00	10.01	8.85	369
GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)(2 * 210 + 2 * 250)	920	819	621	825	16:00	618	07:00	18.49	16.73	697
RAJPURA(NPL) TPS(2 * 700)	1,400	1,320	1,170	1,320	02:00	675	13:00	30.07	28.72	1,197
TALWANDI SABO TPS(3 * 660)	1,980	1,841	924	1,841	17:00	924	03:00	33.73	31.42	1,309
Total THERMAL	5,680	4,855	3,383					101.24	93.72	3,905
ANANADPUR SAHIB HYDRO PLANT(2 * 33.5 + 2 * 33.5)	134	116	115	116	11:00	115	01:00	2.8	2.8	117
MUKERIAN HYDRO PLANT(6 * 15 + 6 * 19.5 + 2 * 9)	225	114	132	132	01:00	97	16:00	2.81	2.81	117
RANJIT SAGAR POWER PLANT (4 * 150)	600	600	480	600	19:00	0	05:00	7.01	6.98	291
SHANAN(4 * 15 + 1 * 50)	110	110	95	110	20:00	95	01:00	2.99	2.99	125
UBDC(3 * 15 + 3 * 15.5)	92	68	71	71	01:00	68	10:00	1.66	1.66	69
OTHER HYDRO PUNJAB	0	0	0	0		0		2.88	2.88	120
Total HYDEL	1,161	1,008	893					20.15	20.12	839
WIND	0	0	0	0		0				
BIOMASS(303)	303	0	0	0		0		1.72	1.72	72
SOLAR(881)	881	58	56	490	14:00	53	05:00	4.63	4.63	193
Total PUNJAB	8,025	5,921	4,332					127.74	120.19	5,009

RAJASTHAN										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
BARSINGSAR (IPP) LTPS(2 * 125)	250	0	0	0		0		2.97	2.6	108
CHHABRA TPS(2 * 660 + 4 * 250)	2,320	0	0	0		0		30.25	28.11	1,171
GIRAL (IPP) LTPS(2 * 125)	250	0	0	0		0				
KALISINDH TPS(2 * 600)	1,200	0	0	0		0		7.47	6.77	282
KAWAI TPS(2 * 660)	1,320	0	0	0		0		21.61	20.32	847
KOTA TPS(2 * 110 + 2 * 195 + 3 * 210)	1,240	0	0	0		0		24.74	22.01	917
RAJWEST (IPP) LTPS(8 * 135)	1,080	0	0	0		0		19.18	16.73	697
SURATGARH TPS (6 * 250 + 2 * 660(SSCTPS))	2,820	0	0	0		0		30.45	27.68	1,153
VSLPP (IPP)(1 * 135)	135	0	0	0		0				
Total THERMAL	10,615	0	0					136.67	124.22	5,175
DHOLPUR GPS(3 * 110)	330	0	0	0		0		0.57	0.56	23
RAMGARH GPS(1 * 110 + 1 * 35.5 + 1 * 50 + 2 * 37.5)	271	0	0	0		0		1.74	1.68	70
Total GAS/NAPTHA/DIESEL	601	0	0					2.31	2.24	93
RAPS-A(1 * 100 + 1 * 200)	300	0	0	0		0		4.65	4.32	180
Total NUCLEAR	300	0	0					4.65	4.32	180
TOTAL HYDRO RAJASTHAN(550)	550	0	0	0		0		2.71	2.71	113
Total HYDEL	550	0	0					2.71	2.71	113
WIND(1 * 4328)	4,328	0	0	0		0		7.66	7.66	319
BIOMASS(102)	102	0	0	0		0		1.86	1.86	78
SOLAR(4568)	4,568	0	0	0		0		21.91	21.91	913
Total RAJASTHAN	21,064	0	0					177.77	164.92	6,871

UTTAR PRADESH										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
ANPARA TPS(2 * 500 + 3 * 210)	1,630	1,384	1,367	1,389	21:00	967	08:00	34.2	31.8	1,325
ANPARA-C TPS(2 * 600)	1,200	1,105	1,110	1,110	03:00	698	08:00	28	25.9	1,079
ANPARA-D TPS(2 * 500)	1,000	931	941	941	03:00	578	08:00	23.5	22	917
BAJAJ ENERGY PVT LTD (IPP) TPS(10 * 45)	450	406	287	406	19:00	226	01:00	7.1	6.4	267
BARA PPGCL TPS(3 * 660)	1,980	1,107	1,118	1,123	02:00	774	08:00	28	25.9	1,079
GHATAMPUR TPS (1*660)	660	569	549	581	19:00	309	17:00	12.4	11.2	467
HARDUAGANJ TPS(1 * 110 + 2 * 250 + 1*660)	1,270	738	571	738	20:00	559	08:00	16.6	15	625
INFIRM POWER	660	0	0	0		0				
JAWAHARPUR TPS(2*660)	1,320	538	707	864	07:00	304	17:00	14.5	13.1	546
JP CHURK(3 * 60)	180	0	0	0		0				
KHURJA TPS(1 * 660)	660	650	638	688	15:55	566	13:09	15.59	14.36	598
LALITPUR TPS(3 * 660)	1,980	1,846	1,755	1,853	19:00	1,013	08:00	41.6	39	1,625
MEJA TPS(2 * 660)	1,320	1,228	1,151	1,230	02:00	684	17:00	24.4	22.9	954
OBRA TPS (5 * 200+1*660)	1,660	855	921	954	04:00	809	23:59	23.8	21.5	896
PANKI_I TPS(1 * 660)	660	544	347	545	20:00	344	08:00	10.4	9.3	388
PARICHA TPS(2 * 210 + 2 * 250)	920	718	504	718	20:00	475	05:00	14.7	13.4	558
ROSA TPS(4 * 300)	1,200	1,078	826	1,086	21:00	581	13:00	22.3	20.4	850
TANDA TPS(4 * 110)	440	183	114	196	19:00	112	06:00	3.7	3.3	138
Total THERMAL	19,190	13,880	12,906					320.79	295.46	12,312
ALAKHANANDA HEP(4 * 82.5)	330	343	340	347	04:00	340	03:00	8.2	8.2	342
RIHAND HPS(6 * 50)	300	275	275	275	01:00	230	13:00	6.6	6.6	275
VISHNUPARYAG HPS(4 * 110)	440	436	436	436	01:00	436	01:00	10.5	10.5	438
OTHER HYDRO UP(227)	227	171	142	182	12:00	144	05:00	4	4	167
Total HYDEL	1,297	1,225	1,193					29.3	29.3	1,222
WIND	0	0	0	0		0				
BIOMASS(26)	26	0	0	0		0				
SOLAR(2430)	2,642	0	0	1,563	13:00	0	01:00	11.6	11.6	483
CO-GENERATION(1360)	1,360	25	25	25	01:00	0		0.6	0.6	25
Total OTHERs	1,360	25	25					0.6	0.6	25
Total UP	24,515	15,130	14,124					362.29	336.96	14,042

UTTARAKHAND										
Station/Constituents	Inst. Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy		AVG. MW
	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	Gross Gen(MU)	Net Gen(MU)	
GAMMA	225	0	0	0		0				
SARAVANTI	450	0	0	0		0				
Total GAS/NAPTHA/DIESEL	675	0	0					0	0	0
OTHER HYDRO UK(1250)	1,250	976	966	980	04:00	966	03:00	23.41	23.32	972
Total HYDEL	1,250	976	966					23.41	23.32	972
WIND	0	0	0	0		0				
BIOMASS(127)	127	0	0	0		0				
SOLAR(278)	278	0	0	100	11:00	5	07:00	0.66	0.66	28
SMALL HYDRO(180)	180	0	0	0		0				
Total SMALL HYDRO	180	0	0					0	0	0
Total UTTARAKHAND	2,510	976	966					24.07	23.98	1,000

(B) Regional Entities Generation														
Station/Constituents	Inst. Capacity	Declared Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy				AVG. MW	UI(Actual-Schedule-(+- AGC))
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	SCHD (MU)	Gross Gen ACT (MU)	Net Gen ACT MU)	AGC(MU)		
Aravali Power Company Private Ltd														
ISTPP (JHAJJAR)(3 * 500)	1,500	1,411	1,492	826	1,522	06:30	817	08:00	25.23	27.26	25.36	0.15	1,057	-0.02
Sub-Total	1,500	1,411	1,492	826	-	-	-	-	25.23	27.26	25.36	0.15	1,057	-0.02
BBMB														
BHAKRA HPS(5 * 126 + 5 * 157)	1,415	1,392	1,427	1,428	1,428	03:00	1,271	10:00	33.37	34.13	33.72	0	1,405	0.35
DEHAR HPS(6 * 165)	990	640	660	610	660	20:00	580	12:00	13.9	14.6	14.3	0	596	0.4
PONG HPS(6 * 66)	396	352	360	360	360	20:00	360	12:00	8.45	8.69	8.57	0	357	0.12
Sub-Total	2,801	2,384	2,447	2,398	-	-	-	-	55.72	57.42	56.59	0	2,358	0.87
NHPC														
BAIRASIUL HPS(3 * 60)	180	186	186	183	188	00:30	124	07:00	4.29	4.42	4.37	0	182	0.08
CHAMERA I HPS(3 * 180)	540	536	541	533	542	14:00	230	15:00	11.89	12.14	12	0	500	0.11
CHAMERA II HPS(3 * 100)	300	312	270	299	304	12:00	0	-	7.01	7	6.96	-0.03	290	-0.02
CHAMERA III HPS(3 * 77)	231	240	193	234	234	04:00	0	-	5.27	5.09	5.03	0	210	-0.24
DHAULIGANGA HPS(4 * 70)	280	292	285	281	286	19:00	271.8	08:00	6.69	6.78	6.76	0	282	0.07
DULHASTI HPS(3 * 130)	390	257	259	261	264	19:00	248.6	13:00	6.15	6.27	6.19	0	258	0.04
KISHANGANGA(3 * 110)	330	224	240	331	336	21:00	0	-	4.82	4.85	4.82	0	201	0
PARBATI III HEP(4 * 130)	520	390	0	0	0	-	0	-	8.52	8.65	8.59	0	358	0.07
PARBATI-II(4 * 200)	800	396	397	384	402	22:00	383.9	04:00	8.86	9.46	9.04	0	377	0.18
SALAL HPS(6 * 115)	690	685	697	696	699	23:00	693	11:00	16.44	16.66	16.48	0	687	0.04
SEWA-II HPS(3 * 40)	120	126	127	122	127	20:00	121.89	05:00	2.87	2.98	2.95	0	123	0.08
TANAKPUR HPS(1 * 31.42 + 2 * 31.4)	94	93	104	106	106	01:59	9.41	08:00	2.12	2.25	2.22	0	93	0.1
URI HPS(4 * 120)	480	430	449	445	457	01:00	39	21:00	8.67	8.05	7.99	0	333	-0.68
URI-II HPS(4 * 60)	240	215	230	229	230	20:00	201.51	23:00	5.24	5.47	5.43	0	226	0.19
Sub-Total	5,195	4,382	3,978	4,104	-	-	-	-	98.84	100.07	98.83	-0.03	4,120	0.02
NPCL														
NAPS(2 * 220)	440	191	213	215	219	06:00	0	-	4.58	5.16	4.57	0	190	-0.01
RAPP-D	700	428	0	0	0	-	0	-	10.27	11.51	10.23	0	426	-0.04
RAPS-B(2 * 220)	440	344	397	401	401	05:00	0	-	8.26	9.6	8.49	0	354	0.23
RAPS-C(2 * 220)	440	403	448	447	451	08:00	0	-	9.67	10.83	9.75	0	406	0.08
Sub-Total	2,020	1,366	1,058	1,063	-	-	-	-	32.78	37.1	33.04	0	1,376	0.26
NTPC														
ANTA GPS(1 * 153.2 + 3 * 88.71)	419	384	248	0	251	21:12	0	-	1.39	1.29	1.26	0	53	-0.13
AURAIYA GPS(2 * 109.3 + 4 * 111.19)	663	626	415	0	426	19:00	0	-	2.12	2.2	2.12	0	88	0
DADRI GPS(2 * 154.51 + 4 * 130.19)	830	805	0	0	490	-	0	-	2.68	2.48	2.39	0	100	-0.29
DADRI-I TPS(4 * 210)	840	769	0	0	0	-	0	-	6.05	7.25	6.36	0	265	0.31
DADRI-II TPS(2 * 490)	980	919	0	0	0	-	0	-	16.04	17.42	16.31	0	680	0.27
KOLDAM HPS(4 * 200)	800	871	869	849	871	15:00	0	-	20.91	20.99	20.88	0	870	-0.03
NTPC NOKH SOLAR PROJECT	245	0	0	0	0	-	0	-	3.68	1.38	1.38	0	58	-2.3
RIHAND-I STPS(2 * 500)	1,000	450	470	480	496	01:00	271	13:00	9.64	10.43	9.42	0.05	393	-0.27
RIHAND-II STPS(2 * 500)	1,000	943	981	957	1,007	21:00	542	13:00	20.25	21.47	20.03	0	835	-0.22
RIHAND-III STPS(2 * 500)	1,000	943	983	964	1,009	16:00	542	13:00	20.22	21.43	20.15	0	840	-0.07
SINGRAULI HYDRO(1 * 8)	8	0	0	0	0	-	0	-	0	-	-	-	-	-
SINGRAULI STPS(2 * 500 + 5 * 200)	2,000	915	1,029	1,008	1,029	20:00	581	13:00	19.18	21.65	19.28	0	803	0.1
TANDA TPS STAGE-II(2 * 660)	1,320	1,135	1,213	1,289	1,213	20:00	0	-	24.7	26.04	24.21	0	1,009	-0.49
UNCHAHAH II TPS(2 * 210)	420	375	386	355	386	20:00	0	-	7.13	8.1	7.18	0.08	299	-0.03
UNCHAHAH III TPS(1 * 210)	210	189	203	179	203	20:00	0	-	3.39	3.4	3.06	0.01	128	-0.34
UNCHAHAH IV TPS(1 * 500)	500	400	403	401	403	20:00	0	-	8.56	9.3	8.65	0.14	360	-0.05
UNCHAHAH TPS(2 * 210)	420	340	380	240	380	20:00	0	-	6.63	7.47	6.37	0	265	-0.26
Sub-Total	12,655	10,064	7,580	6,722	-	-	-	-	172.57	182.3	169.05	0.28	7,046	-3.8
SJVNL														
NATHPA-JHAKRI HPS(6 * 250)	1,500	1,630	1,643	1,632	1,648	11:00	1,614	08:00	38.81	39.5	39.18	0	1,633	0.37
RAMPUR HEP(6 * 68.67)	412	449	450	448	453	16:00	444	08:00	10.5	10.91	10.83	0	451	0.33
Sub-Total	1,912	2,079	2,093	2,080	-	-	-	-	49.31	50.41	50.01	0	2,084	0.7
THDC														
KOTESHWAR HPS(4 * 100)	400	400	396	397	412	19:00	386	13:00	9.6	9.46	9.45	0	394	-0.15
TEHRI HPS(4 * 250)	1,000	1,068	1,066	1,063	1,081	21:00	0	09:00	21.41	21.44	21.3	0	888	-0.11
TEHRI PSP(4 * 250)	1,000	463	463	463	463	-	0	-	7.93	9.32	8.5	0	354	0.57
Sub-Total	2,400	1,931	1,925	1,923	-	-	-	-	38.94	40.22	39.25	0	1,636	0.31

Total	28,483	23,617	20,573	19,116					473.39	494.78	472.13	0.4	19,677	-1.66
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IPP/JV													
Station/Constituents	Inst. Capacity	Declared Capacity	20:00	03:00	Day Peak		Min Generation (06:00-18:00)		Day Energy			AVG. MW	UI
	(MW)	(MW)	Peak MW	Off Peak MW	(MW)	Hrs	(MW)	Hrs	SCHD (MU)	Gross Gen(MU)	Net Gen(MU)		
IPP													
ADHPL(IPP) HPS(2 * 96)	192	0	0	0	0	-	0	-	2.23	0	0	0	-2.23
BUDHIL HPS (IPP)(2 * 35)	70	69	77	77	78	01:00	0	-	1.74	1.77	1.76	73	0.02
KARCHAM WANGTOO HPS(4 * 261.25)	1,045	1,126	1,140	1,140	1,140	20:00	1,140	11:00	27.03	27.29	27.11	1,130	0.08
SAINJ HEP(2 * 50)	100	0	0	0	0	-	0	00:00	0	0	0	0	0
SHREE CEMENT (IPP) TPS(2 * 150)	300	336	0	0	0	-	0	-	3.83	4.11	3.79	158	-0.04
SINGOLI BHATWARI HEP(3 * 33)	99	107	72	72	72	20:00	0	-	1.75	1.7	1.68	70	-0.07
SORANG HYDROELECTRIC PROJECT(2 * 50)	100	94	103	99	104	19:00	0	-	2.33	2.44	2.43	101	0.1
Sub-Total	1,906	1,732	1,392	1,388	-	-	-	-	38.91	37.31	36.77	1,532	-2.14
SOLAR IPP													
ADANI GREEN ENERGY TWENTY FIVE LIMITED	357	0	0	0	0	-	0	-	2.26	1.67	1.67	70	-0.59
ABC RENEWABLE ENERGY(1 * 300)	300	0	0	0	0	-	0	-	1.36	1.45	1.45	60	0.09
ACME CHITTORGARH SOLAR ENERGY PVT LTD(1 * 250)	250	0	0	0	204	11:19	0	-	1.3	1.19	1.19	50	-0.11
ACME DEOGHAR SOLAR POWER PRIVATE LIMITED(ADSPPL)	300	0	0	0	0	-	0	-	1.66	1.25	1.25	52	-0.41
ACME HEERGARH POWERTECH PRIVATE LIMITED(1*300)	300	0	0	0	0	-	0	-	1.69	1.68	1.68	70	-0.01
ACME PHALODI SOLAR ENERGY PRIVATE LIMITED(APSEPL)	300	0	0	0	0	-	0	-	1.75	1.25	1.25	52	-0.5
ACME RAISAR SOLAR ENERGY PRIVATE LIMITED(ARSEPL)	300	0	0	0	0	-	0	-	1.65	1.33	1.33	55	-0.32
ACME SIKAR SOLAR PRIVATE LIMITED	53	0	0	0	0	-	0	-	1.25	1.05	1.05	44	-0.2
ACMEDHAULPUR POWERTECH PRIVATE LIMITED(ADPPL)	300	0	0	0	0	-	0	-	1.65	1.25	1.25	52	-0.4
AMP ENERGY GREEN SIX PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.52	0.54	0.54	23	0.02
AMP GREEN ENERGY FIVE PRIVATE LIMITED	100	0	0	0	0	-	0	-	0.5	0.52	0.52	22	0.02
ADANI GREEN ENERGY TWENTY FOUR LIMITED	405	0	0	0	343	09:56	0	-	1.97	1.41	1.39	58	-0.58
ADANI RENEWABLE ENERGY RJ LIMITED (ARERJL)(1 * 200)	200	0	0	0	206	12:08	0	-	1.04	1.01	1.01	42	-0.03
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(1*150)	150	0	0	0	152	13:30	0	-	1.05	0.99	0.98	41	-0.07
ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED (PROJECT-2)(1*150)	150	0	0	0	146	13:15	0	-	0.93	0.98	0.97	40	0.04
ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	0	0	0	0	-	0	-	0.25	0.21	0.21	9	-0.04
ADANI SOLAR ENERGY RJ TWO PVT LTD_BHADLA(1*150)	150	0	0	0	141	10:09	0	-	0.8	0.55	0.55	23	-0.25
ADANI SOLAR ENERGY RJ TWO PVT LTD_FATEGARH 2(1*180)	180	0	0	0	161	11:43	0	-	1.01	0.68	0.67	28	-0.34
ADEPT RENEWABLE TECHNOLOGIES PVT LTD(1*110)	110	0	0	0	102	09:28	0	-	0.64	0.66	0.66	28	0.02
ALTRA XERGI POWER PRIVATE LIMITED	380	0	0	0	0	-	0	-	1.93	1.19	1.19	50	-0.74
AMBUJA CEMENTS LIMITED	150	0	0	0	0	-	0	-	0.97	0.82	0.82	34	-0.15
AMP ENERGY GREEN FOUR PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.47	0.5	0.5	21	0.03
AMPLUS AGES PRIVATE LIMITED(1*100)	100	0	0	0	86	09:45	0	-	0.53	0.51	0.51	21	-0.02
AURAIYA SOLAR(1 * 40)	40	0	0	0	0	-	0	-	0.09	0.08	0.08	3	-0.01
AVAADA RJHN PRIVATE LIMITED(1*240)	240	0	0	0	240	13:46	0	-	1.54	1.41	1.41	59	-0.13
AVAADA SUNCE ENERGY PRIVATE LIMITED, BIKANER(1 * 350)	350	0	0	0	363	13:14	0	-	2.24	2.2	2.2	92	-0.04
AVAADA SUNRAYS ENERGY PRIVATE LTD(1*320)	320	0	0	0	327	11:48	0	-	1.83	1.83	1.82	76	-0.01
AVAADA SUSTAINABLE RJPROJECT PVT LTD(1*300)	300	0	0	0	306	13:39	0	-	1.98	1.82	1.82	76	-0.16
AYANA RENEWABLE POWER ONE PRIVATE LIMITED, BIKANER(300)	300	0	0	0	300	14:40	0	-	1.98	2.04	2.04	85	0.06
AYANA RENEWABLE THREE PVT LTD (1*300)	300	0	0	0	232	09:47	0	-	1.53	1.5	1.5	63	-0.03
AZURE POWER FORTY THREE PRIVATE LIMITED(1 * 150 + 1 * 150 + 1 * 300)	600	0	0	0	443	13:45	0	-	3.08	3.07	3.07	128	-0.01
AZURE POWER INDIA PVT LTD.(4 * 50)	200	0	0	0	154	10:42	0	-	0.93	0.79	0.79	33	-0.14
AZURE POWER MAPLE PVT LTD(1*300)	300	0	0	0	276	13:15	0	-	1.58	1.57	1.57	65	-0.01
AZURE POWER THIRTY FOUR PRIVATE LTD(1 * 130)	130	0	0	0	134	12:24	0	-	0.7	0.64	0.64	27	-0.06
BANDERWALA SOLAR PLANT LTD(1*300)	300	0	0	0	0	-	0	-	0.99	0.98	0.98	41	-0.01
CLEAN SOLAR POWER (BHADLA) PVT LTD(1 * 300)	300	0	0	0	270	12:00	0	-	1.57	1.33	1.33	55	-0.24
CLEAN SOLAR POWER(JODHPUR) PRIVATE LIMITED(1*250)	250	0	0	0	154	11:36	0	-	0.99	1.01	1	42	0.01

DADRI SOLAR(5)	5	0	0	0	3	-	0	-	0.02	0.02	0.02	1	0
DEVIKOT SOLAR POWER NTPC	240	0	0	0	0	-	0	-	1.16	0.64	0.64	27	-0.52
EDEN RENEWABLE ALMA PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.23	1.27	1.27	53	0.04
EDEN RENEWABLE CITE PRIVATE LIMITED(1 * 300)	300	0	0	0	303	12:31	0	-	1.54	1.13	1.13	47	-0.41
FATEHGARH SOLAR PV PROJECT(1*296)	296	0	0	0	256	12:51	0	-	1.63	1.05	1.03	43	-0.6
GORBEA SOLAR PRIVATE LIMITED	100	0	0	0	0	-	0	-	1.39	1.44	1.44	60	0.05
GRIAN ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	86	09:36	0	-	0.52	0.49	0.49	20	-0.03
JUNIPER GREEN COSMIC PRIVATE LIMITED	100	0	0	0	75	09:42	0	-	0.49	0.44	0.44	18	-0.05
JUNA RENEWABLE ENERGY PRIVATE LIMITED	168	0	0	0	0	-	0	-	1.39	1.09	1.09	45	-0.3
JUNIPER NIRJARA ENERGY PRIVATE LIMITED	50	0	0	0	38	09:57	0	-	0.24	0.21	0.21	9	-0.03
KARNISAR SOLAR PLANT NHPC LIMITED	107	0	0	0	162	10:06	0	-	0.93	1.02	1.01	42	0.08
KHIDRAT RENEWABLE ENERGY PRIVATE LIMITED	250	0	0	0	0	-	0	-	1.38	1.22	1.22	51	-0.16
KOLAYAT SOLAR POWER PLANT NTPC LIMITED(1*550)	550	0	0	0	0	-	0	-	3.22	3.16	3.16	132	-0.06
M/S ADANI SOLAR ENERGY FOUR PRIVATE LIMITED(1 * 50)	50	0	0	0	49	14:21	0	-	0.26	0.25	0.25	10	-0.01
M/S ADANI SOLAR ENERGY JODHPUR TWO LIMITED(1 * 50)	50	0	0	0	46	11:50	0	-	0.27	0.25	0.25	10	-0.02
M/S AZURE POWER FORTY ONE PRIVATE LIMITED(1 * 300)	300	0	0	0	272	12:15	0	-	1.55	1.39	1.39	58	-0.16
M/S. ONEVOLT ENERGY PRIVATE LIMITED(1*100)	100	0	0	0	83	09:43	0	-	0.51	0.5	0.49	20	-0.02
MEGA SOILS RENEWABLE PRIVATE LIMITED(1 * 250)	250	0	0	0	0	-	0	-	1.33	1.23	1.23	51	-0.1
MEGA SURYAURJA PVT LTD(1*250)	250	0	0	0	0	-	0	-	1.35	1.09	1.09	45	-0.26
NTPC ANTA SOLAR PV STATION	90	0	0	0	0	-	0	-	0.13	0.35	0.35	15	0.22
NEEMBA RENEW SURYA VIHAAN PRIVATE LIMITED	158	0	0	0	0	-	0	-	0.8	0.51	0.51	21	-0.29
NOKHRA SOLAR POWER NTPC	300	0	0	0	0	-	0	-	1.38	1.24	1.24	52	-0.14
RENEW SUN BRIGHT PRIVATE LIMITED (RSBPL)(1 * 300)	300	0	0	0	303	12:28	0	-	1.53	1	1	42	-0.53
RENEW SURYA RAVI PVT LTD(1*300)	300	0	0	0	227	09:52	0	-	1.51	1.47	1.47	61	-0.04
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD(300)	300	0	0	0	300	12:23	0	-	1.33	0.99	0.99	41	-0.34
RENEW SOLAR POWER PVT LTD(50)	50	0	0	0	241	13:24	0	-	0.26	0.26	0.26	11	0
RENEW SOLAR POWER PVT LTD. BIKANER(1 * 250)	250	0	0	0	0	-	0	-	1.32	1.54	1.54	64	0.22
RENEW SOLAR URJA PVT LIMITED(300)	300	0	0	0	300	12:19	0	-	1.45	0.95	0.95	40	-0.5
RENEW SURYA AAYAN PRIVATE LIMITED	300	0	0	0	284	11:51	0	-	1.45	1.08	1.08	45	-0.37
RENEW SURYA JYOTI PRIVATE LIMITED	185	0	0	0	0	-	0	-	0.9	0.53	0.53	22	-0.37
RENEW SURYA PRATAP PRIVATE LIMITED(1*200)	200	0	0	0	186	11:19	0	-	1.03	0.66	0.66	28	-0.37
RENEW SURYA ROSHNI PVT LTD(1*400)	400	0	0	0	0	-	0	-	1.46	0.96	0.96	40	-0.5
RENEW SURYA VIHAAN PRIVATE LIMITED	100	0	0	0	83	11:19	0	-	0.49	0.32	0.32	13	-0.17
RISING SUN ENERGY (K) PVT LTD(1*164)	190	0	0	0	211	13:14	0	-	1.14	1.04	1.04	43	-0.1
SB ENERGY FOUR PVT LTD(2 * 100)	200	0	0	0	174	11:56	0	-	0.98	0.85	0.85	35	-0.13
SB ENERGY SIX PRIVATE LIMITED(1 * 300)	300	0	0	0	302	12:32	0	-	1.54	1.05	1.05	44	-0.49
SJVN GREEN ENERGY LIMITED	242	0	0	0	385	09:47	0	-	2.21	2.43	2.4	100	0.19
SERENTICA RENEWABLES INDIA 4 PRIVATE LIMITED .BKN2	168	0	0	0	0	-	0	-	0.94	1.04	1.04	43	0.1
SERENTICA RENEWABLES INDIA 5 PRIVATE LIMITED	176	0	0	0	220	09:28	0	-	1.24	1.34	1.34	56	0.1
SINGRAULI SOLAR(15)	15	0	0	0	0	-	0	-	0.05	0.06	0.05	2	0
SOLZEN URJA PRIVATE LIMITED(1 * 300)	300	0	0	0	262	13:07	0	-	1.32	0.89	0.89	37	-0.43
TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	24	0	0	0	78	09:27	0	-	0.14	0.5	0.5	21	0.36
TATA POWER GREEN ENERGY LIMITED	225	0	0	0	236	13:06	0	-	1.42	1.4	1.4	58	-0.02
TATA POWER RENEWABLE ENERGY LTD(1 * 300)	300	0	0	0	304	13:07	0	-	1.69	1.36	1.33	55	-0.36
TATA POWER SAURYA LIMITED	110	0	0	0	82	09:47	0	-	0.53	0.52	0.52	22	-0.01
THAR SURYA IPRIVATE LIMITED(1*300)	300	0	0	0	299	14:12	0	-	1.97	1.94	1.94	81	-0.03
TRANSITION ENERGY SERVICES PRIVATE LIMITED	84	0	0	0	0	-	0	-	0.33	0.51	0.51	21	0.18
TRANSITION GREEN ENERGY PRIVATE LIMITED	100	0	0	0	93	09:26	0	-	0.54	0.59	0.59	25	0.05
TRANSITION SUSTAINABLE ENERGY SERVICES PVT. LTD.	50	0	0	0	47	09:27	0	-	0.27	0.3	0.3	13	0.03
TRANSITION SUSTAINABLE ENERGY SERVICES ONE PVT LTD	56	0	0	0	0	-	0	-	0.27	0.26	0.26	11	-0.01
UNCHAHAHAR SOLAR(10)	10	0	0	0	0	-	0	-	0.04	0.02	0.02	1	-0.02

XL XERGI POWER PRIVATE LIMITED	400	0	0	0	226	10:21	0		1.37	0.87	0.87	36	-0.5
Sub-Total	18,548	0	0	0	-	-	-	-	101.65	89.68	89.5	3,731	-12.15
HYBRID IPP													
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED SOLAR(1*600)	600	0	0	0	534	09:10	0	-	3.36	2.09	2.08	87	-1.28
ADANI HYBRID ENERGY JAISALMER FOUR LIMITED WIND(1*510)	510	0	0	0	0	-	0	-	1.67	1.01	1.01	42	-0.66
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR(1 * 235.1 + 1 * 124.8)	360	0	0	0	345	11:26	0	-	1.84	1.26	1.26	53	-0.58
ADANI HYBRID ENERGY JAISALMER ONE LIMITED WIND(1 * 101)	101	0	15	9	62	01:45	0	-	0.66	0.33	0.33	14	-0.33
ADANI HYBRID ENERGY JAISALMER THREE LIMITED SOLAR(1*300)	300	0	0	0	278	-	0	-	1.62	1.28	1.28	53	-0.34
ADANI HYBRID ENERGY JAISALMER THREE LIMITED WIND(1*75)	75	0	14	6	44	05:15	0	-	0.51	0.27	0.27	11	-0.24
ADANI HYBRID ENERGY JAISALMER TWO LIMITED SOLAR(1*299)	300	0	0	0	299	10:00	0	-	1.6	1.13	1.13	47	-0.47
ADANI HYBRID ENERGY JAISALMER TWO LIMITED WIND(1*75)	75	0	13	6	49	02:15	0	-	0.52	0.22	0.22	9	-0.3
ADANI JAISALMER ONE SEPL SOLAR(1*420)	420	0	0	0	420	12:40	0	-	2	1.57	1.57	65	-0.43
ADANI JAISALMER ONE SEPL WIND(1*105)	105	0	7	0	77	15:01	0	-	0.66	0.21	0.21	9	-0.45
Sub-Total	2,846	0	49	21	-	-	-	-	14.44	9.37	9.36	390	-5.08
Total	23,300	1,732	1,441	1,409					155	136.36	135.63	5,653	-19.37

Summary Section						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Total State Control Area Generation	66,474	26,687	23,246	815.34	765.49	31,900
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8,087	8,857	378.71	378.71	12,820
Inter National Exchange with Nepal[Import (+ve)/Export (-ve)]		-26	-62	0.36	0.36	10
Total Regional Availability(Gross)	118,257	56,762	52,566	1,825.55	1,752.32	70,060

Total Hydro Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Hydro	14,722	12,704	12,742	302.31	298.54	12,442
State Control Area Hydro	7,855	5,100	4,808	138.85	138.67	5,780
Total Regional Hydro	22,577	17,804	17,550	441.16	437.21	18,222

Total Renewable Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Renewable	21,639	49	21	100.43	100.24	4,179
State Control Area Renewable	13,630	126	125	54.31	54.28	2,263
Total Regional Renewable	35,269	175	146	154.74	154.52	6,442

Total Solar Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Solar	20,773	0	0	98.39	98.2	4,094
State Control Area Solar	8,586	58	56	40.06	40.06	1,669
Total Solar	29,359	58	56	138.45	138.26	5,763

Total Wind Generation						
	Inst. Capacity	PEAK	OFF-PEAK	Day Energy		Day AVG.
				Gross Gen	Net Gen	
Regional Entities Wind	866	49	21	2.04	2.04	85
State Control Area Wind	4,328	0	0	7.66	7.66	319
Total Wind	5,194	49	21	9.7	9.7	404

4(A) INTER-REGIONAL EXCHANGES (Import=(+ve) /Export =(-ve))

SL.No.	Element	20:00	03:00	Maximum Interchange (MW)		Import in MU	Export in MU	NET
		(MW)	MW	Import (MW)	Export (MW)			
Import/Export between EAST REGION and NORTH REGION								
1	132KV Rihand - Nagar Untari	-	-	-	-	-	-	-
2	132KV-Chandauli (UP)-Karmnasa(PG)	-	-	-	-	-	-	-
3	132KV-Rihand (UP)-Garhwa(CG)	-	-	-	-	0	0.69	-0.69
4	132KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	0	0	0
5	220KV-Sahupuri (UP)-Karamnasa(PG)	-	-	-	-	2.14	0	2.14
6	400KV-Allahabad (PG)-Sasaram(PG)	-	-	-	-	1.3	0	1.3
7	400KV-Balia (PG)-Biharsharif(PG)	-	-	-	-	3.71	0	3.71
8	400KV-Balia (PG)-Naubatpur(Bihar)	-	-	-	-	1.92	0	1.92
9	400KV-Balia (PG)-Patna(PG)	-	-	-	-	9.05	0	9.05
10	400KV-Gorakhpur (UP)-Motihari(DMT)	-256	-330	426	66	5.28	0	5.28
11	400KV-Gorakhpur (UP)-Muzaffarpur(PG)	-743	-818	0	0	14.06	0	14.06

Import/Export between EAST REGION and NORTH REGION								
12	400KV-Sahupuri (UP)-Biharsharif(PG)	-	-	-	-	3.98	0	3.98
13	400KV-Varanasi (PG)-Sasaram(PG)	38	26	65	0	0.77	0	0.77
14	765KV-Balia (PG)-Gaya(PG)	-	-	-	-	13.89	0	13.89
15	765KV-Sasaram (PG)-Fatehpur(PG)	-	-	-	-	4.07	0	4.07
16	765KV-Varanasi (PG)-Gaya(PG)	588	476	756	483	6.7	0	6.7
17	HVDC800KV-Agra (PG)-Alipurduar(PG)	-	-	-	-	8.8	0	8.8
Sub-Total EAST REGION		-373	-646	1,247	549	75.67	0.69	74.98
Import/Export between NORTH_EAST REGION and NORTH REGION								
1	HVDC800KV-Agra (PG)-Biswanath Charialli(PG)	-	-	-	-	7	0	7
Sub-Total NORTH_EAST REGION		0	0	0	0	7	0	7
Import/Export between WEST REGION and NORTH REGION								
1	132KV-Lalitpur (UP)-Rajghat(MP)	-	-	-	-	-	-	-
2	132KV-Sawai Madhopur (RJ)-Gwalior(MP)	-	-	-	-	-	-	-
3	220KV-Auraiya (NT)-Malanpur(PG)	-89	-11	-	187	0	0.71	-0.71
4	220KV-Auraiya (NT)-Mehgaon(PG)	-	-	-	-	-	-	-
5	220KV-Modak (RJ)-Bhanpura(MP)	-	-	-	-	2.68	0	2.68
6	220KV-Ranpur (RS)-Bhanpura(MP)	-	-	-	-	2.4	0	2.4
7	400KV-Bhinmal (PG)-Zerda(PG)	-	-	-	-	-	-	-
8	400KV-Chittorgarh 765 (PG)-Neemuch (WR)	-373	-706	-786	193	10.19	0	10.19
9	400KV-Kankroli (RJ)-Zerda(PG)	-	-	-	-	0	0.37	-0.37
10	400KV-RAPS C (NP)-Sujalpur	-346	-541	606	341	6.41	0	6.41
11	400KV-Rihand (NT)-Vindhyachal(PG)	-	-	-	-	-	-	-
12	765KV-0rai-Gwalior (PG)	-569	-556	0	-684	0	11.62	-11.62
13	765KV-0rai-Jabalpur	2,078	2,305	2,704	0	43.52	0	43.52
14	765KV-0rai-Satna	926	912	1,116	0	19.28	0	19.28
15	765KV-Agra (PG)-Gwalior(PG)	-	-	-	-	41.4	0	41.4
16	765KV-Chittorgarh-Banaskata D/C	268	606	1,764	1,248	0.69	0	0.69
17	765KV-Phagi (RJ)-Gwalior(PG)	-	-	-	-	24.88	0	24.88
18	765KV-Varanasi (PG)-Vindhyachal(PG)	2,514	2,743	3,251	0	58.11	0	58.11
19	HVDC500KV-Mohindergarh (JH)-Mundra(JH)	801	1,501	1,502	0	23.95	0	23.95
20	HVDC500KV-Vindhyachal (PG)-Vindhaychal B/B	250	250	250	0	6.06	0	6.06
21	HVDC800KV-Kurukshetra (PG)(PG)-Champa(PG)	3,000	3,000	3,000	0	69.86	0	69.86
Sub-Total WEST REGION		8,460	9,503	13,407	1,285	309.43	12.7	296.73
TOTAL IR EXCHANGE		8,087	8,857	14,654	1,834	392.1	13.39	378.71

4(B) Inter Regional Schedule & Actual Exchange (Import=(+ve) /Export =(-ve)) in MU

	ISGS+GNA+URS schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total IR Schedule	Total IR Actual	NET IR UI
NR-ER	101.6	16.51	0	0.11	0	107.05	74.98	-32.07
NR-NORTH_EAST REGION	0	0	0	0	0	0	7	7
NR-WR	199.36	107.56	0	-15.48	0	273.69	296.73	23.04
Total	300.96	124.07	0	-15.37	0	380.74	378.71	-2.03

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

Element	Peak	Off-Peak	Maximum Interchange(MW)		Energy (MU)		Net Energy	Schedule Energy
	MW	MW	Import	Export	Import	Export	(MU)	(MU)
132KV-Tanakpur(NH)-Mahendranagar(PG)	-26	-62	63.96	54	0.6	0.24	0.36	0
132KV-Nautanwa (UP)-Mainhiya (Nepal)	0	0	0	0	0	0	0	0

5.Frequency Profile

RANGE(Hz)	< 49.2	< 49.7	< 49.8	< 49.9	< 50.0	>= 49.9 - <= 50.05	> 50.05 - <= 50.1	> 50.1 - <= 50.2	> 50.2	> 50.05
%	0	1.85	3	13.7	45.25	74.65	8.89	2.73	.02	11.64

<-----Frequency (Hz)----->

Maximum		Minimum		Average Frequency	Freq Variation Index	Standard Deviation	Freq. in 15 mnt blk		Freq Dev Index (% of Time)
Frequency	Time	Frequency	Time				Max.	Min.	
50.21	13:05:00	49.47	19:13:00	49.98	0.077	0.085	50.17	49.66	87.53

6.Voltage Profile: 400kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index (% of time)
					< 380	< 390	> 420	> 430	
Abdullapur(PG) - 400KV	413	08:00	398	14:40	0	0	0	0	0
Amritsar(PG) - 400KV	413	04:00	396	15:10	0	0	0	0	0
Ballabgarh(PG) - 400KV	412	08:00	390	14:40	0	.69	0	0	0

Bareilly II(PG) - 400KV	414	08:00	393	19:20	0	0	0	0	0
Bareilly(UP) - 400KV	415	08:00	395	19:10	0	0	0	0	0
Baspa(HP) - 400KV	408	00:55	396	14:30	0	0	0	0	0
Bassi(PG) - 400KV	415	08:00	396	11:20	0	0	0	0	0
Bawana(DTL) - 400KV	416	08:00	399	14:40	0	0	0	0	0
Dadri HVDC(PG). - 400KV	411	08:00	394	11:50	0	0	0	0	0
Gorakhpur(PG) - 400KV	414	08:00	392	19:10	0	0	0	0	0
Hisar(PG) - 400KV	416	08:00	399	11:50	0	0	0	0	0
Kanpur(PG) - 400KV	417	08:00	398	21:40	0	0	0	0	0
Kashipur(UT) - 400KV	416	08:00	406	19:15	0	0	0	0	0
Kishenpur(PG) - 400KV	412	04:10	401	17:25	0	0	0	0	0
Moga(PG) - 400KV	412	02:40	397	15:05	0	0	0	0	0
Nallagarh(PG) - 400KV	408	00:55	396	14:30	0	0	0	0	0
Rihand HVDC(PG) - 400KV	400	13:00	389	01:10	0	6.6	0	0	0
Rihand(NT) - 400KV	399	09:45	391	00:10	0	0	0	0	0

6.1 Voltage Profile: 765kV

	Maximum		Minimum		Voltage (in %)				Voltage Deviation Index
					< 728	< 742	> 800	> 820	
Anta RS(RJ) - 765KV	794	07:50	776	00:00	0	0	0	0	0
Balia(PG) - 765KV	784	08:00	749	00:05	0	0	0	0	0
Bareilly II(PG) - 765KV	789	08:00	750	19:10	0	0	0	0	0
Bhiwani(PG) - 765KV	792	07:30	763	14:45	0	0	0	0	0
Fatehpur(PG) - 765KV	789	08:00	756	00:05	0	0	0	0	0
Jhatikara(PG) - 765KV	789	08:00	756	14:40	0	0	0	0	0
Lucknow II(PG) - 765KV	785	08:00	746	19:10	0	0	0	0	0
Meerut(PG) - 765KV	786	08:00	753	21:20	0	0	0	0	0
Moga(PG) - 765KV	795	13:05	761	09:15	0	0	0	0	0
Phagi(RJ) - 765KV	794	08:00	771	09:15	0	0	0	0	0
Unnao(UP) - 765KV	783	08:00	748	19:15	0	0	0	0	0

7(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00)							Peak Hours (20:00)						
	T-GNA Bilateral (MW)	IEX GDAM (MW)	IEX DAM (MW)	IEX RTM (MW)	PXIL GDAM (MW)	PXIL DAM (MW)	PXI RTM (MW)	Bilateral (MW)	IEX GDAM (MW)	IEX DAM (MW)	IEX RTM (MW)	PXIL GDAM (MW)	PXIL DAM (MW)	PXI RTM (MW)
PUNJAB	1,770.38	2.9	0	-1,500	0	0	0	1,866.91	0	-700	0	0	-100	0
HARYANA	3,028.99	97.01	0	0	0	0	0	2,787.15	0.3	0.31	3.43	0	0	0
RAJASTHAN	1,100.41	35	703.33	1,254.89	0	0	0	1,291.74	-13.41	-79.92	162.52	0	0	58.62
DELHI	1,048.52	0.77	-118.39	239.15	0	0	0	1,337.27	26.11	-43.68	-18.13	0	0	0
UTTAR PRADESH	512.86	102.79	221.91	320.81	0	0	0	2,066.95	8.86	29.33	61.82	0	0	60.96
UTTARAKHA ..	-539.68	-3.2	0	144.8	0	0	0	-301.74	-7.2	10.81	14.42	0	0	0
HIMACHAL PRADESH	-764.08	-88.5	4.84	-88.2	0	0	0	-865.08	-88.2	-4.7	-61.29	0	0	0
J&K(UT) & LADAKH(UT)	-400	0	-14.4	-1,000	0	0	0	-522	-56.7	-14.4	10.93	0	0	0
CHANDIGARH	43.71	0	-185	0	0	0	0	75.99	0	-115	-16	0	0	0
RAILWAYS_NRISTS	36.16	25.1	0	0	0	0	0	36.16	1.01	1.05	0.77	0	0	0
TOTAL	5,837.27	171.87	612.29	-628.55	0	0	0	7,773.35	-129.23	-916.2	158.47	0	-100	119.58

State	Day Energy (MU)					
	GNA schedule	T-GNA Bilateral (MW)	GDAM Schedule	DAM Schedule	RTM Schedule	Total (MU)
PUNJAB	110.14	46.07	0.12	-4.1	0.54	152.77
HARYANA	136.35	77.02	1.31	-2.71	-2.99	207.7
RAJASTHAN	123.52	25.76	0.07	3.6	17.26	170.21
DELHI	102.96	26.16	0.45	1.35	6.34	137.26
UTTAR PRADESH	219.11	13.69	1.42	1.94	5.33	241.7
UTTARAKHAND	32.81	-9.04	0.13	0.1	1.14	25.14
HIMACHAL PRADESH	16.91	-19.25	-1.76	0.38	-2.38	-6.1
J&K(UT) & LADAKH(UT)	45.33	-4.95	-0.44	-0.22	-11.57	28.15
CHANDIGARH	7.96	1.09	0	-2.71	0	6.34
RAILWAYS_NR ISTS	2.57	0.87	0.17	0.15	0.03	3.79
TOTAL	797.66	157.42	1.47	-2.22	13.7	966.96

7(B). Short-Term Open Access Details

State	GNA schedule		T-GNA Bilateral (MW)		IEX GDAM (MW)		PXIL GDAM(MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
PUNJAB	5,039.19	4,130.28	2,283.19	1,741.79	193.06	0	0	0
HARYANA	6,487.72	4,875.44	3,777.29	2,687.11	101.36	0	0	0
RAJASTHAN	5,493.4	4,704.57	1,321.48	780.54	48.54	-24.47	0	0
DELHI	4,809.21	3,580.09	1,366.59	793.79	227.62	0	0	0
UTTAR PRADESH	11,059.89	6,893.08	2,250.05	-132.47	173.17	-13.6	0	0
UTTARAKHAND	1,506.26	1,139.13	-293.05	-539.68	20.16	-13.2	0	0
HIMACHAL PRADESH	1,144.77	352.76	-732	-865.08	1.53	-88.5	0	0
J&K(UT) & Ladakh(UT)	1,957.85	1,699.38	0	-522	0	-56.7	0	0
CHANDIGARH	365.04	258.93	75.99	0	0	0	0	0
RAILWAYS_NR ISTS	121.69	80.63	36.16	36.16	25.1	0	0	0

State	IEX DAM (MW)		PXI DAM(MW)		IEX RTM (MW)		PXI RTM (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
PUNJAB	9.65	-1,050	0	-100	1,351.42	-2,100	0	0
HARYANA	4.63	-825	0	-150	289.59	-800	0	0
RAJASTHAN	1,096.19	-94.83	0	0	1,641.01	-4.21	321.77	0
DELHI	465.32	-693	0	0	730.73	-280.15	0	0
UTTAR PRADESH	2,057.77	-1,804.23	0	0	759.18	-878.48	289.59	0
UTTARAKHAND	208.73	-169.29	0	0	202.71	-143.32	27.45	0
HIMACHAL PRADESH	160.97	-43.25	0	0	155.16	-358.48	0	0
J&K(UT) & LADAKH(UT)	0	-14.4	0	0	47.38	-1,000	0	0
CHANDIGARH	0	-205	0	0	36.68	-20	0	0
RAILWAYS_NR ISTS	25.1	0	0	0	22.79	0	0	0

8.Major Reservoir Particulars

RESERVOIR	Parameters			Present Parameters		LAST YEAR		LAST DAY	
	MDDL (Mts)	FRL (Mts)	Energy Content at FRL	Level (Mts)	Energy (MU)	Level (Mts)	Energy (MU)	Inflow (m3/s)	Usage (m3/s)
Bhakra	445.62	513.59	1,728.8	508.07	1,456	497.83	1,007	1,430.74	1,025.24
Chamera-I	748.75	760	753.95	757.03	13	-	-	449.3	328.73
Gandhisagar	381	399.9	725	-	-	-	-	-	0
Jawahar Sagar	295.96	298.7	2.01	-	-	-	-	-	0
Koteshwar	598.5	612.5	610.73	612.26	6	610.4	5	657	660.89
Pong	384.05	426.72	1,084	421.92	976	414.24	645	2,141.8	493.25
RPS	343.81	352.81	175.66	-	-	-	-	-	0
RSD	487.91	527.91	390.3	523.68	351	501.57	125	697.28	255.05
Rihand	252.98	268.22	860.5	-	-	-	-	-	0
Tehri	740.04	830	1,164.11	822.68	1,011	814.65	854	695.65	470
TOTAL	-	-	-	-	3,813	-	2,636	6,071.77	3,233.16

9. System Reliability Indices(Violation of TTC and ATC):

(i)%age of times N-1 Criteria was violated in the inter and intra regional corridors

WR	0
ER	0
Simultaneous	0
Delhi	0
Rajasthan	33.33
UP	0
Punjab	0
Haryana	0

ii)%age of times ATC violated on the inter and intra regional corridors

WR	0
ER	0
Simultaneous	4.51
Delhi	0
Rajasthan	54.51
UP	0
Punjab	0

Haryana	0
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iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand-Dadri	0
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10. Zero Crossing Violations

State	No. of violations(Maximum 15 in a day)	Maximum number of continuous blocks without sign change
CHANDIGARH	1	7
DELHI	5	32
HARYANA	7	21
HIMACHAL PRADESH	5	20
J&K(UT) & Ladakh(UT)	6	20
PUNJAB	4	18
RAJASTHAN	9	20
UTTAR PRADESH	4	8
UTTARAKHAND	9	24

11. NCR's and Ladakh Power Supply Position(based on SCADA data)

	Inst Capacity	20:00	03:00	Day Peak			
Station/Constituents	(MW)	Peak MW	Off Peak MW	MW	HRS	Net MU	AVG MW
NCR_GENERATION	9225	5,272	3,033	5461	22:15:00	91.92	3,830
NCR_DRAWAL	-	14,832	14,829	16709	15:00:00	350.72	14,614
NCR_DEMAND	-	20,104	17,862	21082	22:30:00	442.65	18,444
LADAKH_DEMAND	-	10	-9	18	11:45:00	0.04	2

12. RE/Load Curtailment details

State	Load Curtailment (Shortage)			RE Curtailment				
	Energy	Maximum	At the time of maximum demand	Wind		Solar		Reason
	MU	MW	MW	Max MW	Energy(MU)	Max MW	Energy(MU)	
CHANDIGARH	0	0	0	0	0	0	0	
DELHI	0	0	0	0	0	0	0	
HARYANA	1.625	475	87.5	0	0	0	0	
HIMACHAL PRADESH	0	0	0	0	0	0	0	
J&K(UT) & Ladakh(UT)	0.1	100	0	0	0	0	0	
PUNJAB	0	0	0	0	0	0	0	
RAILWAYS_NR ISTS	0	0	0	0	0	0	0	
RAJASTHAN	0	0	0	0	0	0	0	
UTTAR PRADESH	0	0	0	0	0	0	0	
UTTARAKHAND	1.32	365	0	0	0	0	0	

13.Grid Disturbance / Any Other Significant Event:

14.Weather Conditions :

15.Synchronisation of new generating units :

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

17.Instances of persistent/significant non-complaint with the grid code

18.Complete generation loss in a generating station :

19.Remarks :

No Records Found

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.
*Unscheduled Load Shedding carried out by Uttar Pradesh.

Shift In Charge