



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority



Broad Overview of
Monthly Renewable Energy Generation

मासिक नवीकरणीय ऊर्जा उत्पादन का व्यापक दृष्टिकोण

March-2023/ मार्च-2023

नवीकरणीय परियोजना प्रबोधन प्रभाग
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Note:-The RE Generation indicated in this report Excludes generation from Conventional Large Hydro.

Highlights of RE GENERATION (excluding Large Hydro)

During March 2023

1. RE capacity addition during March 2023 has been 3049.11MW (Solar -2399.66MW and Wind -617.75 MW, Bio Power – 30.50 MW, Others (waste to energy)-0.00MW, Small Hydro -1.20MW).
2. RE generation during March 2023 has increased by 9.73 % as compared to March 2022.
3. Solar Power generation during March 2023 as compared to March 2022 has increased by 22.86% on All India basis in all states except Haryana, Delhi, Madhya Pradesh, Bihar and Jharkhand.
4. Wind Power generation during March 2023 as compared to March 2022 has increased by 3.35% on All India basis in all states except Rajasthan, Gujarat and Kerala.
5. Biomass Power generation during March 2023 as compared to March 2022 has decreased by 15.24% on All India basis except Punjab and Tamil Nadu.
6. Bagasse power generation during March 2023 as compared to March 2022 has decreased by 20.11% on All India basis except Punjab, Bihar, Telangana and Tamil Nadu.
7. Others (Waste to Heat) Power generation has increased by 8.36% during March 2023 as compared to March 2022 except Telangana and West Bengal.
8. Small Hydro Power generation during March 2023 as compared to March 2022 has decreased by 9.51% on All India basis except Punjab, Himachal Pradesh, Chhattisgarh, Gujarat, Madhya Pradesh, Andhra Pradesh, Tamil Nadu, Odisha, West Bengal, Assam Meghalaya, Nagaland, Arunachal Pradesh and Tripura.

Summary of RE Capacity Addition for the Month of March'23

Decreased by 13.15 % as compared to March 22.

Increased by 441.06 % as compared to February 23.

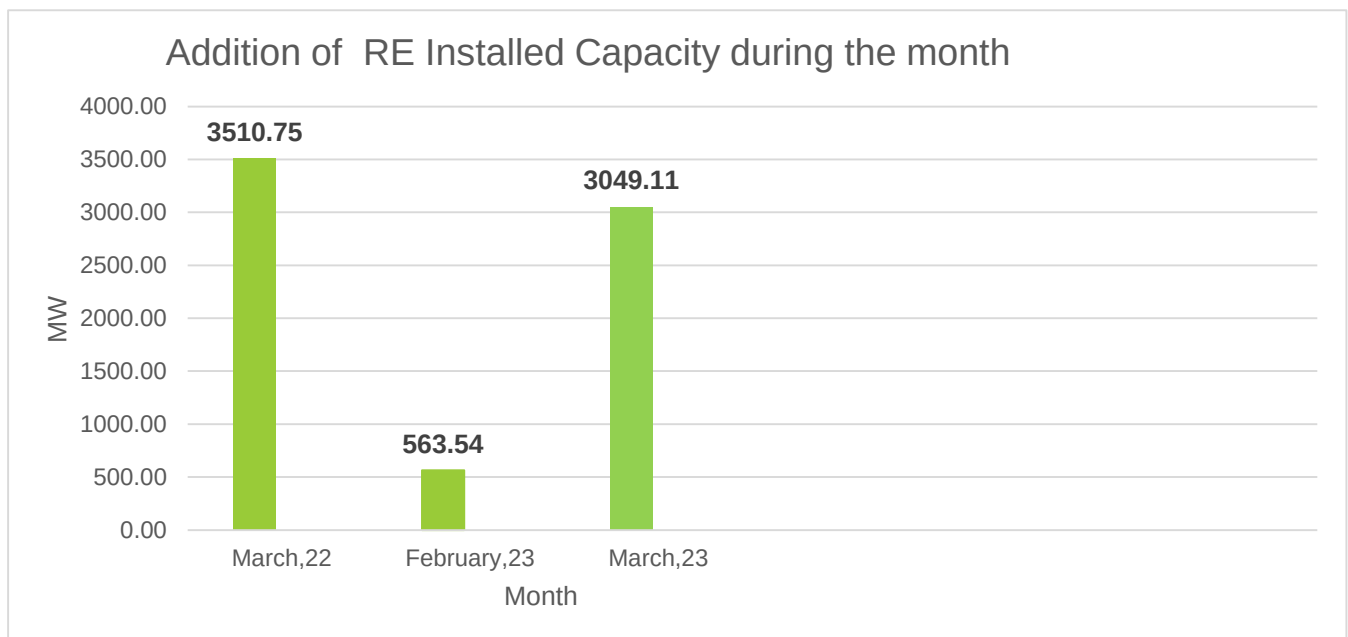


Figure 1: RE capacity added during the Month

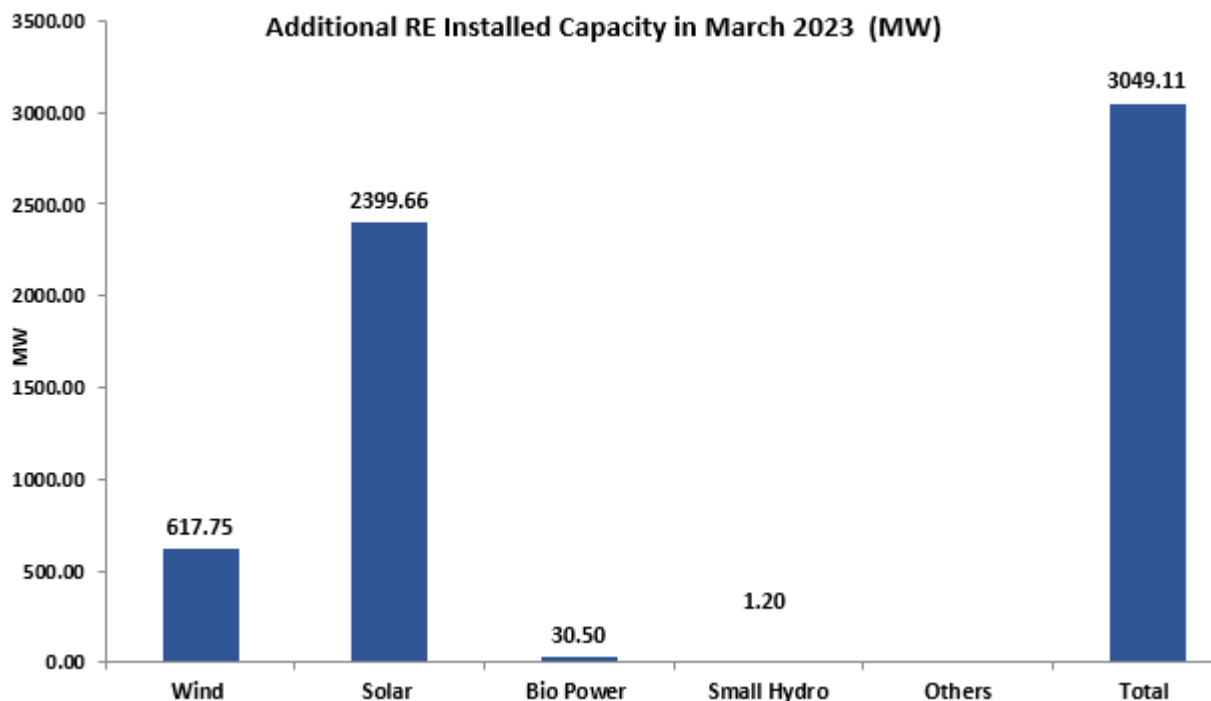


Figure 2: Source wise addition in RE Installed Capacity in March 23

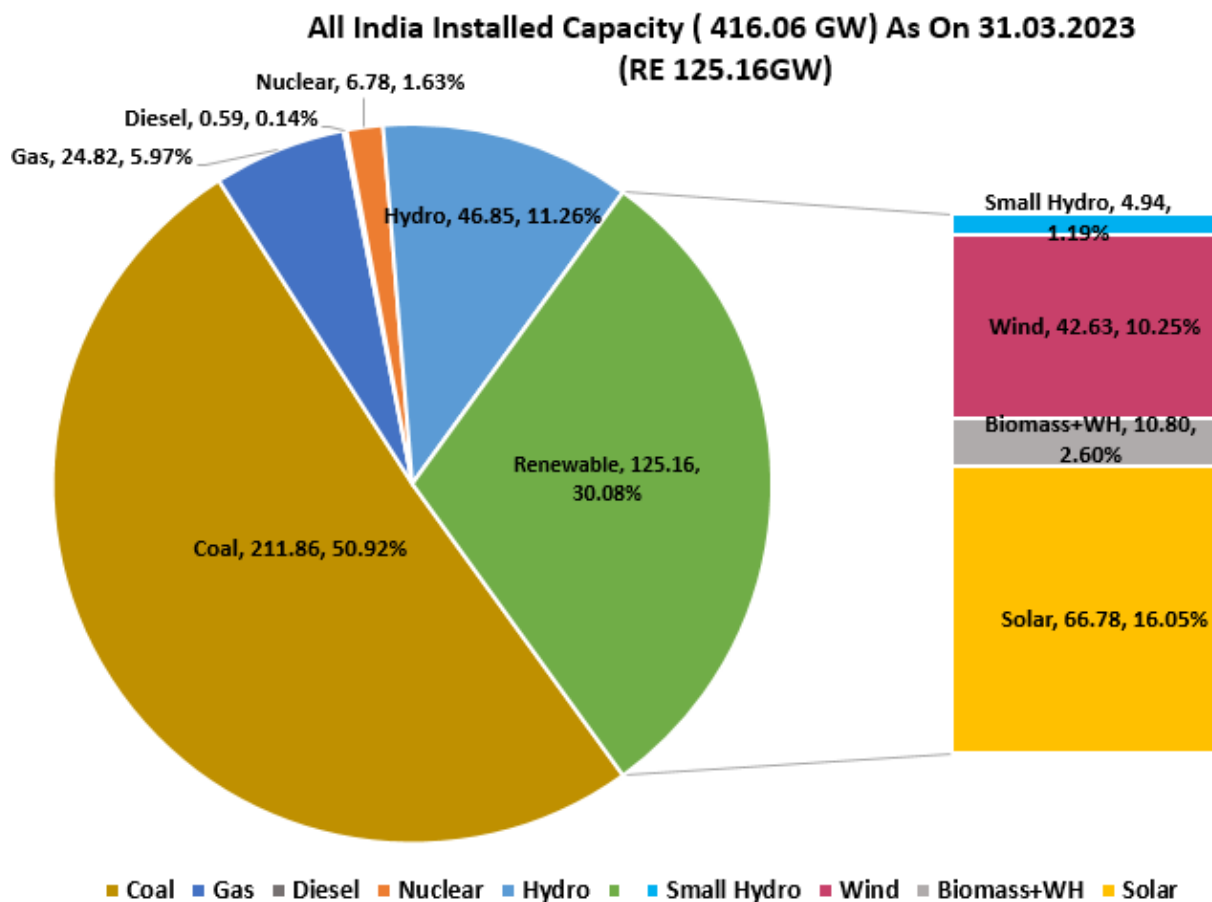


Figure 3: Installed Capacity in India as on 31.03.2023

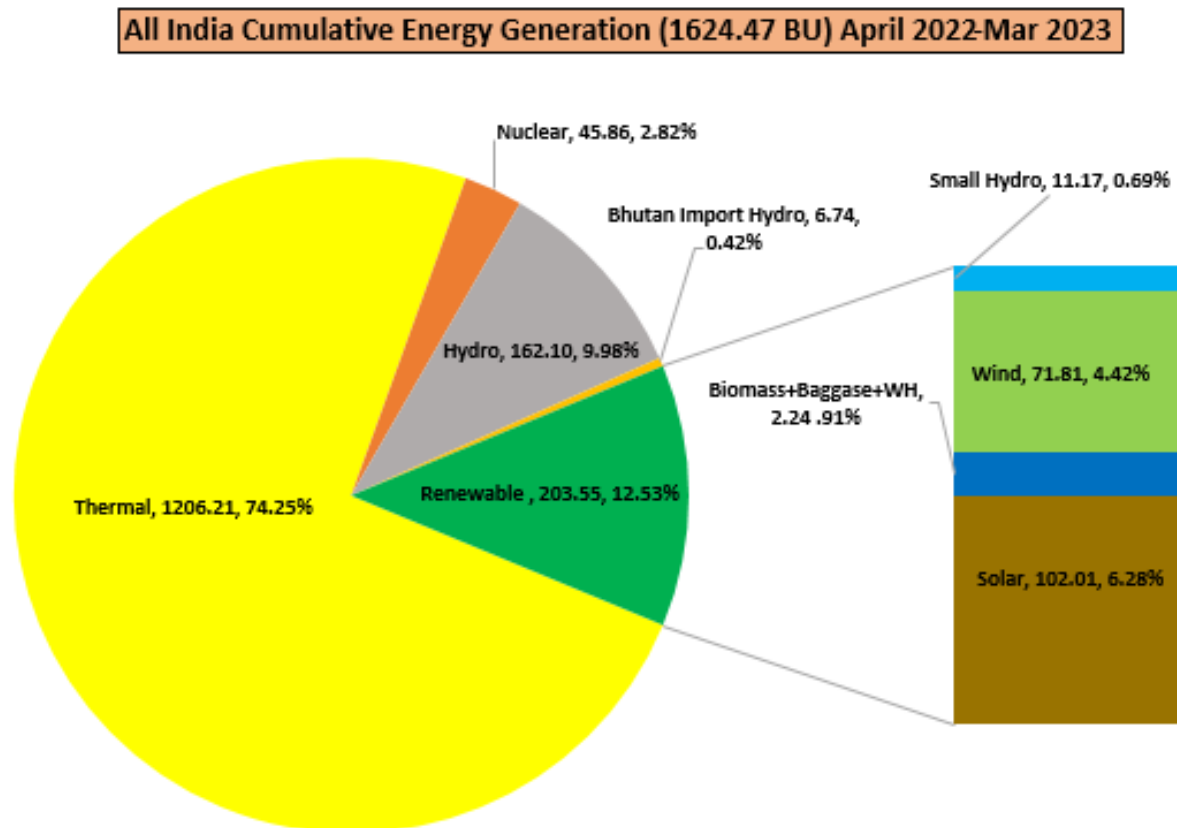


Figure 4: Cumulative Total Energy Generation in India and Share of RE for the year 2022-23.

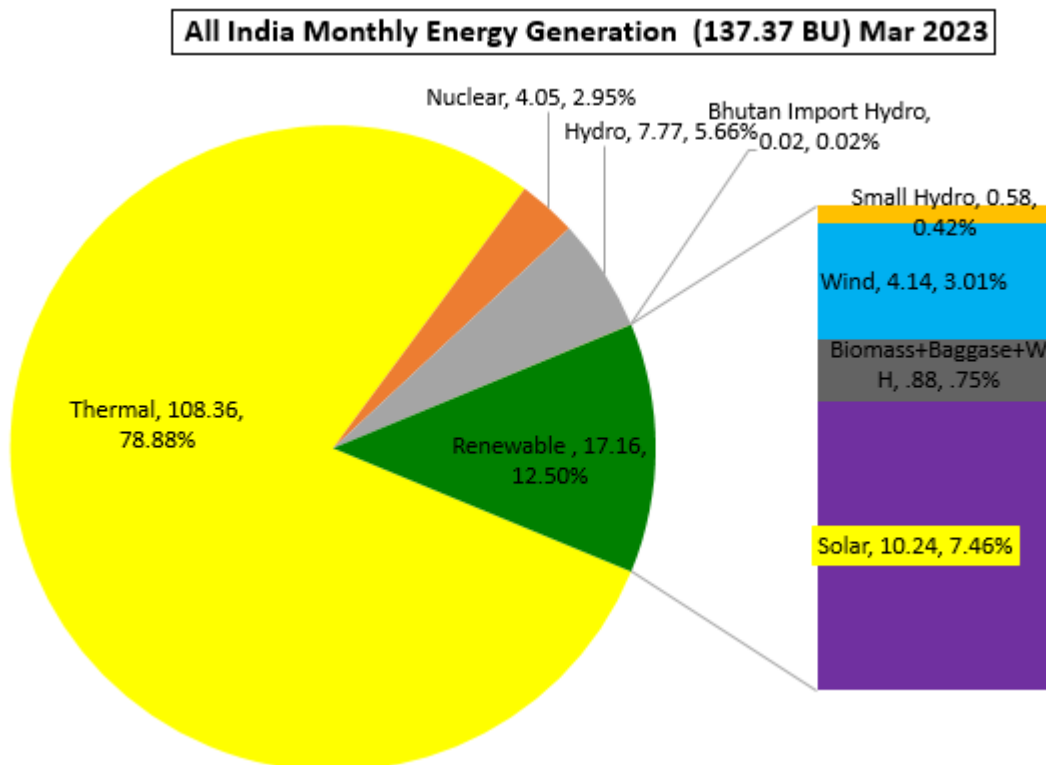


Figure 5: Total Energy Generation in India and Share of RE in the month of March-2023

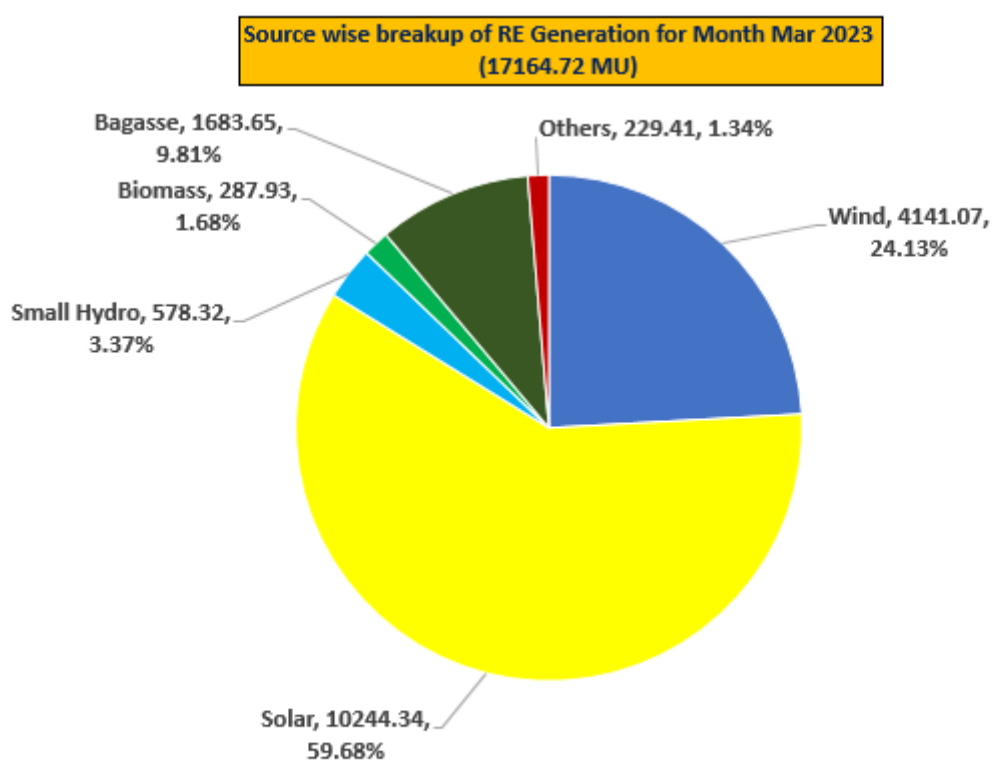


Figure 6: Source wise breakup of RE Generation in the month of March-2023

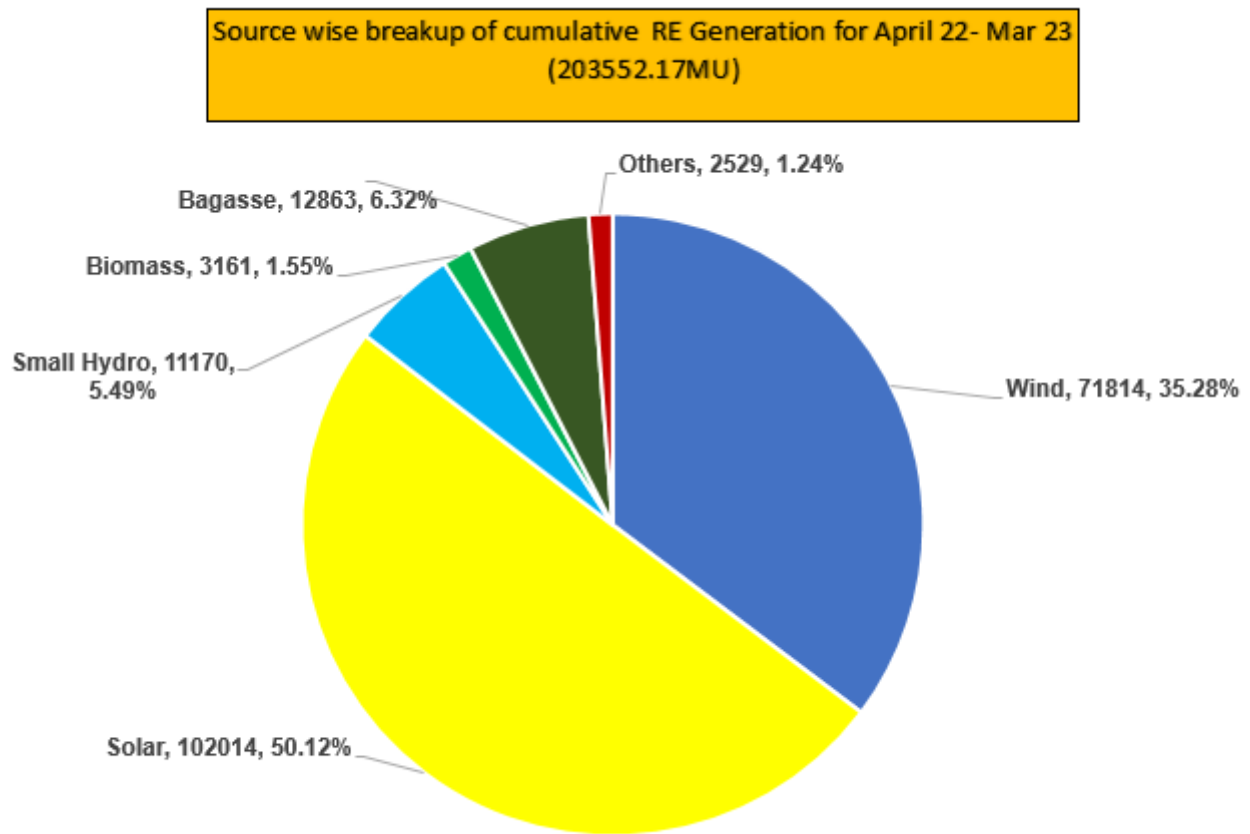


Figure 7: Source wise breakup of Cumulative RE Generation for the year 2022-23.

Summary of Renewable Energy Generation

Increased by 9.73% as compared to March'22

Increased by 10.04% as compared to February'23.

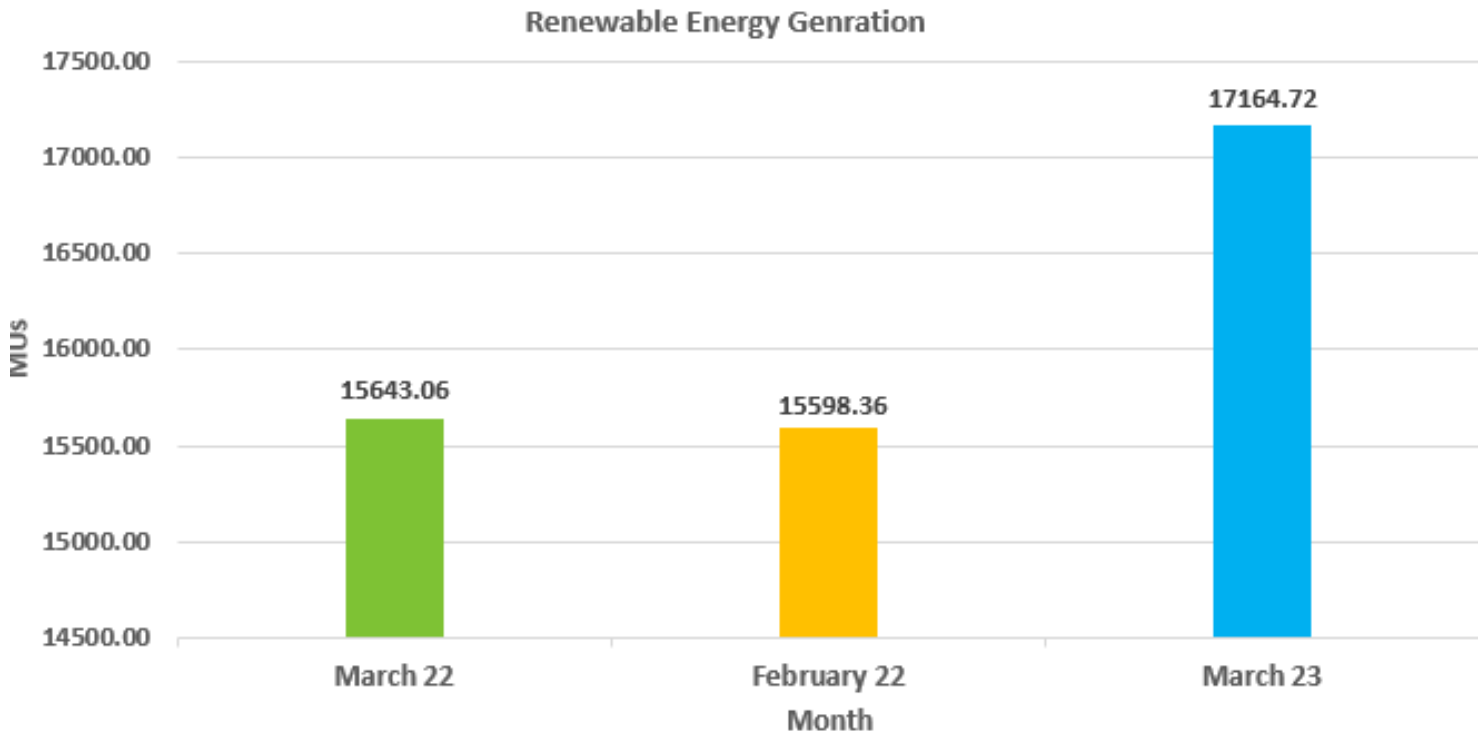


Figure 8: Renewable Energy Generation

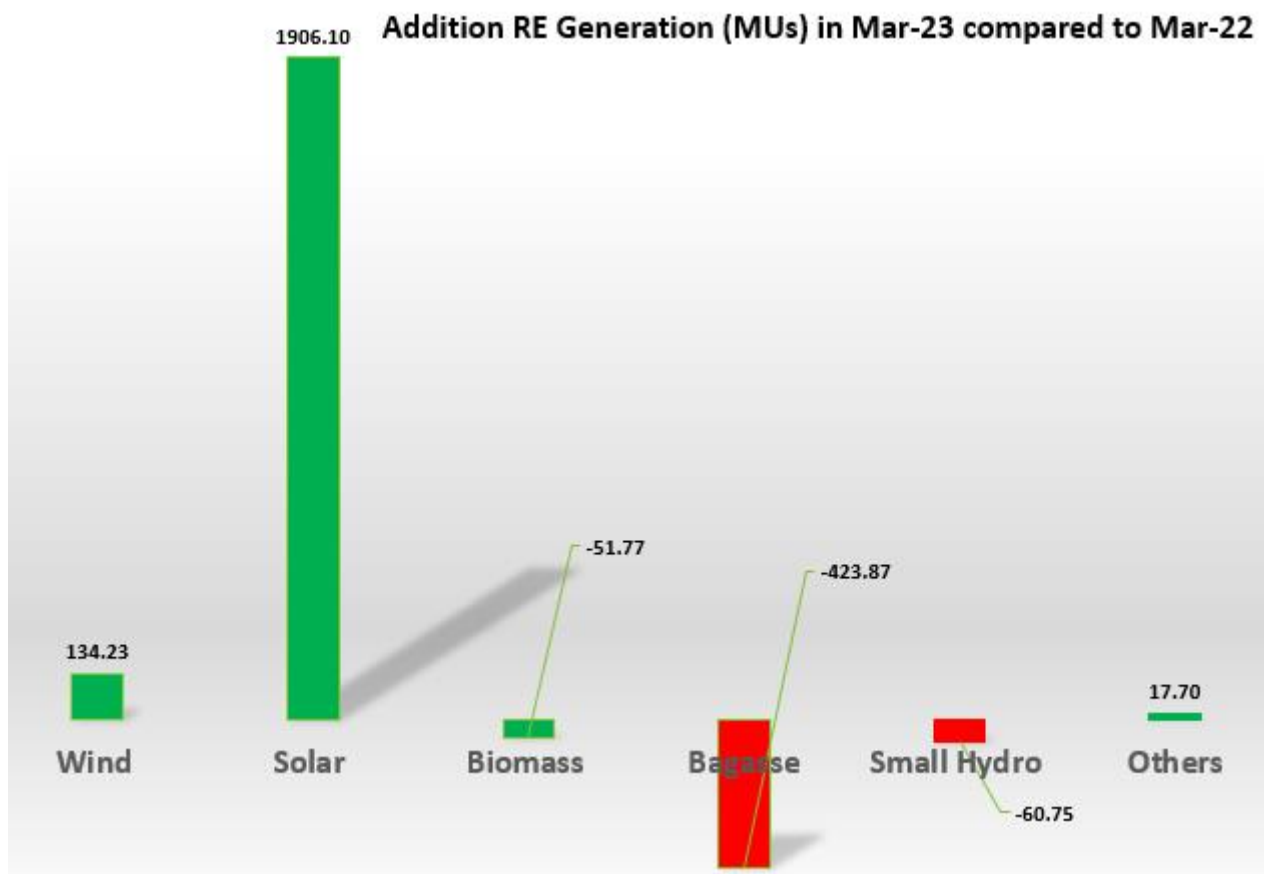


Figure 9: Additional RE Generation in March-23 as compared to March-22

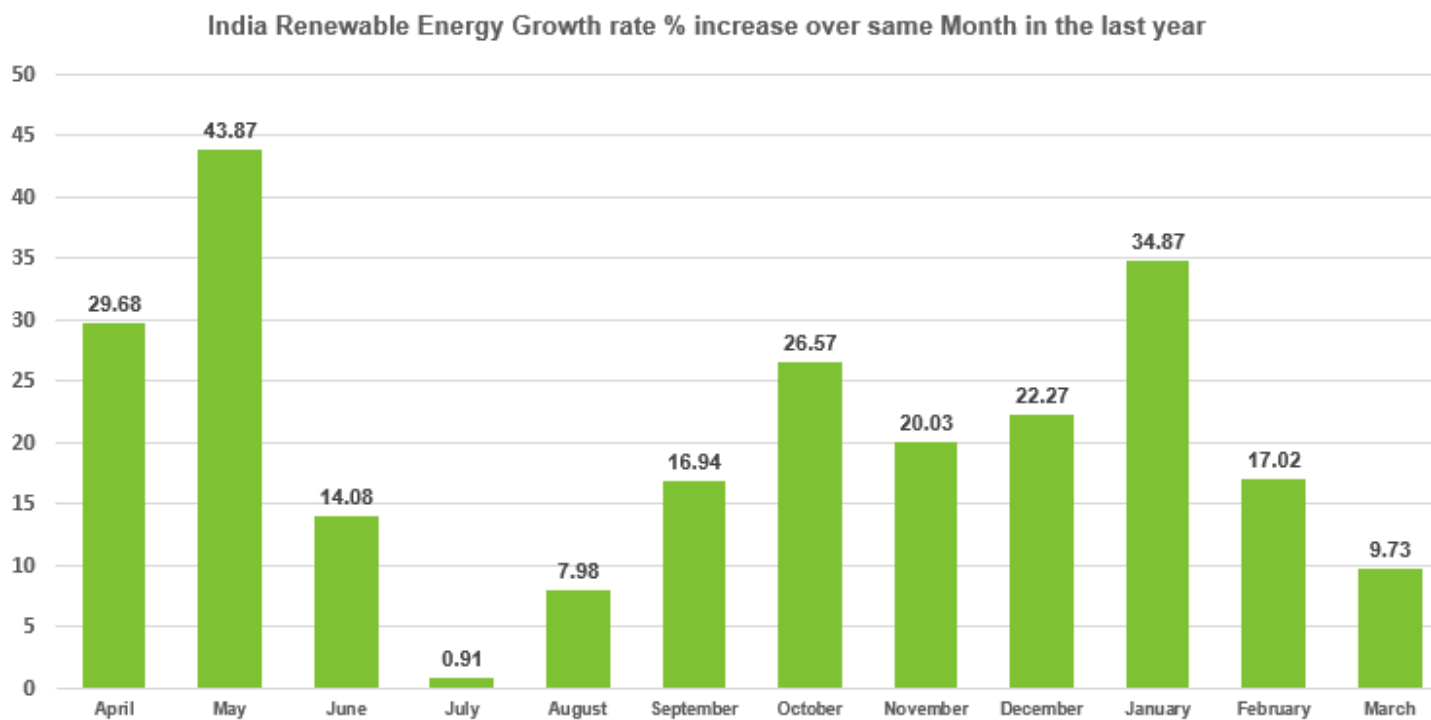


Figure 10: Month Wise % Growth of RE Generation in year 2022-23 w.r.t to previous year Same Month.

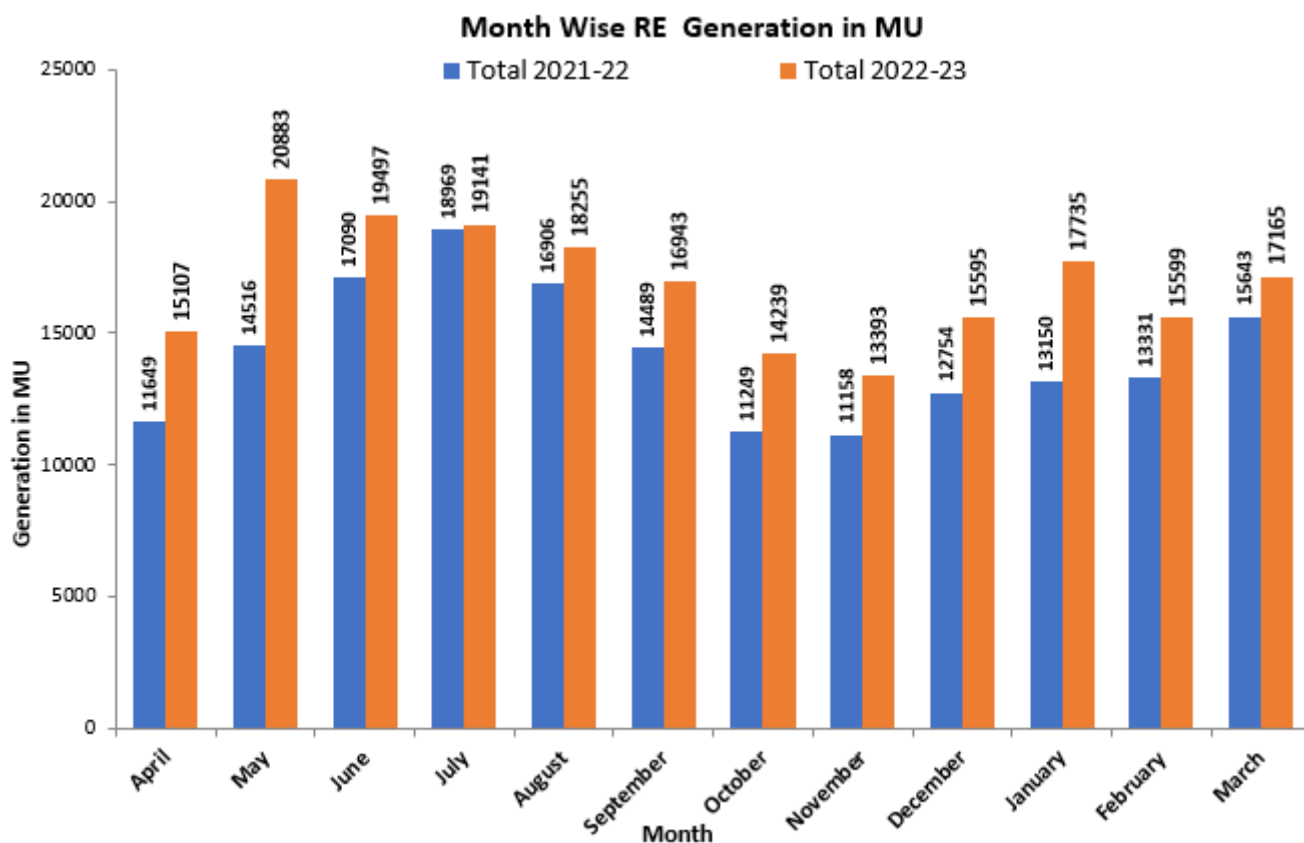


Figure 11: comparison of Month Wise RE Generation in year 2021-22 & in year 2022-23

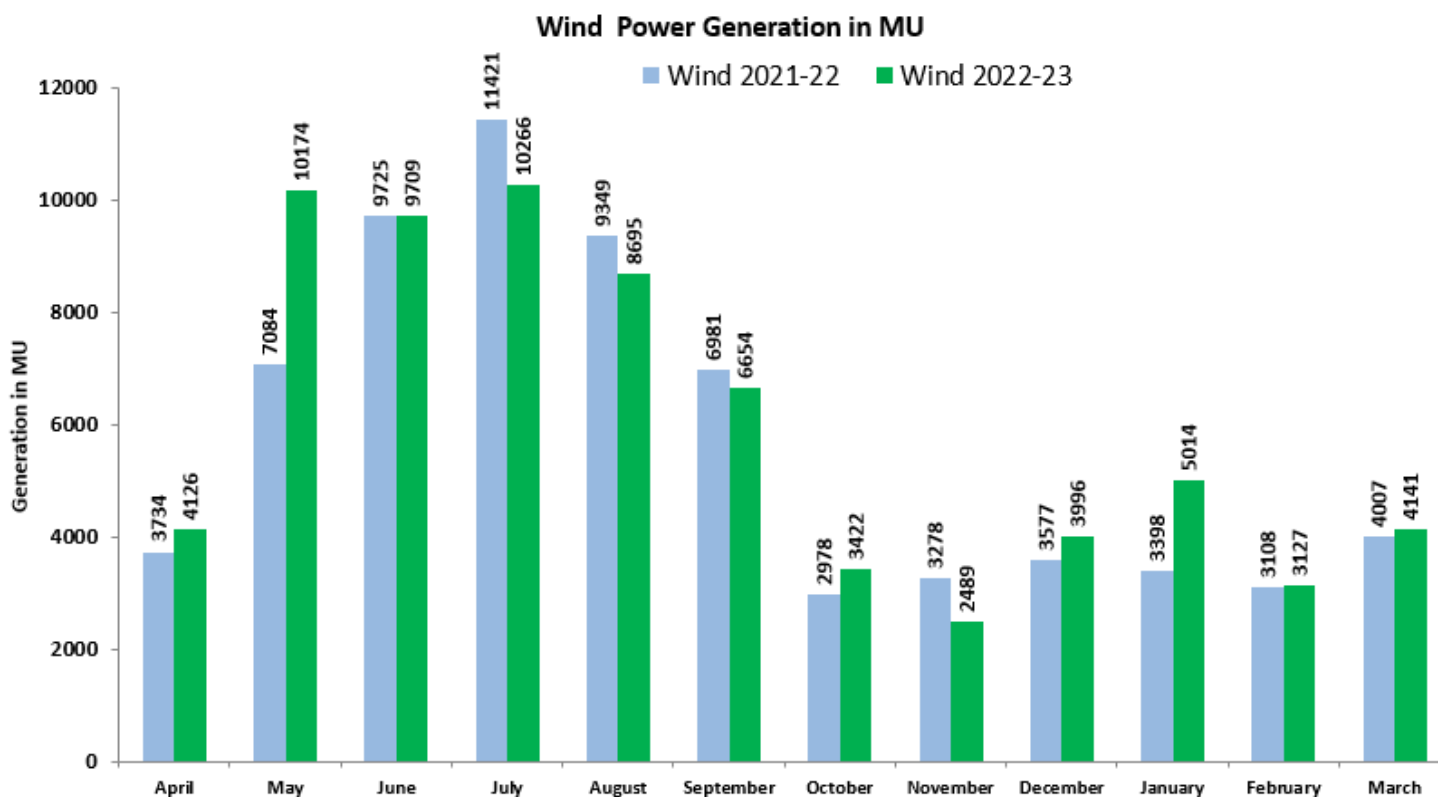


Figure 12: Month Wise Wind Power Generation for the year 2021-22 and year 2022-23.

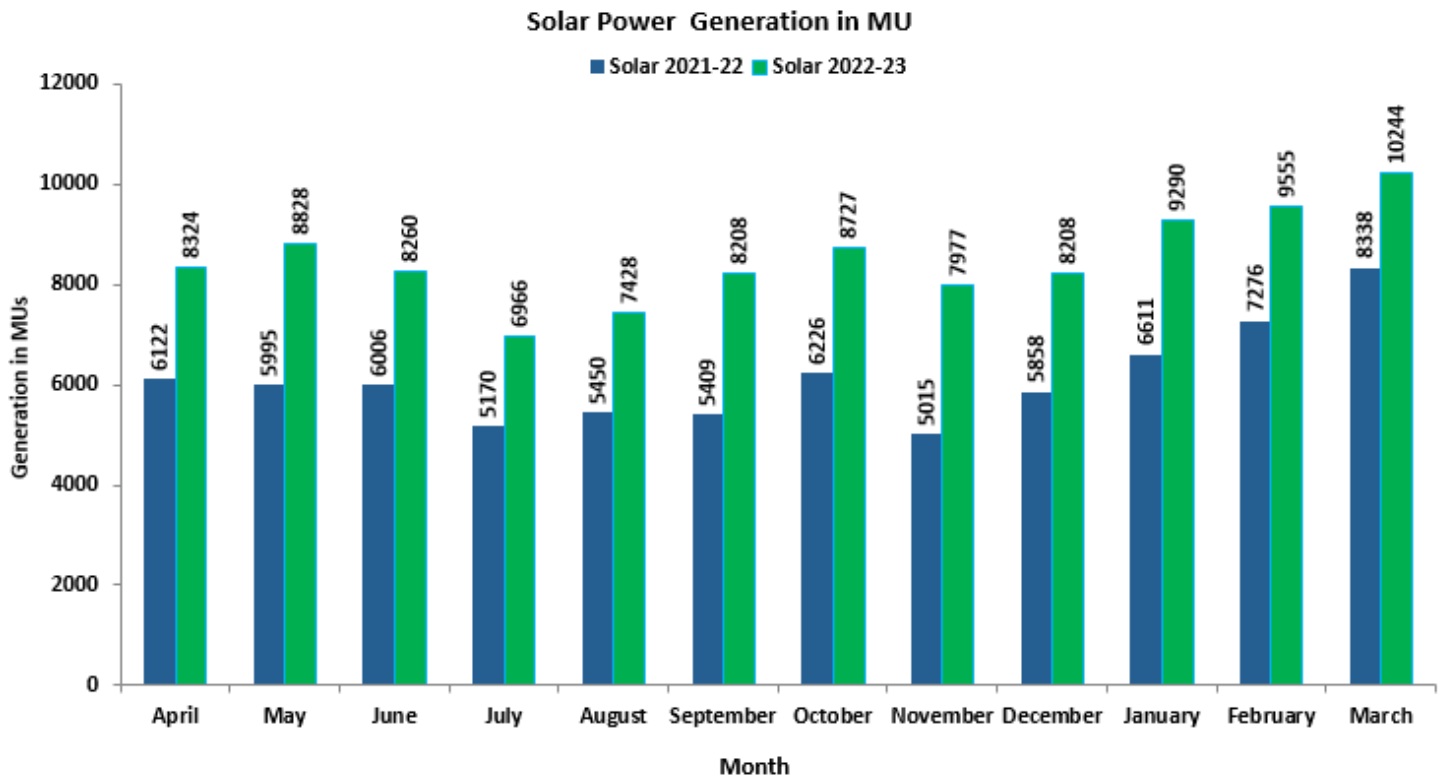


Figure 13: Month Wise Solar Power Generation for the year 2021-22 and year 2022-23.

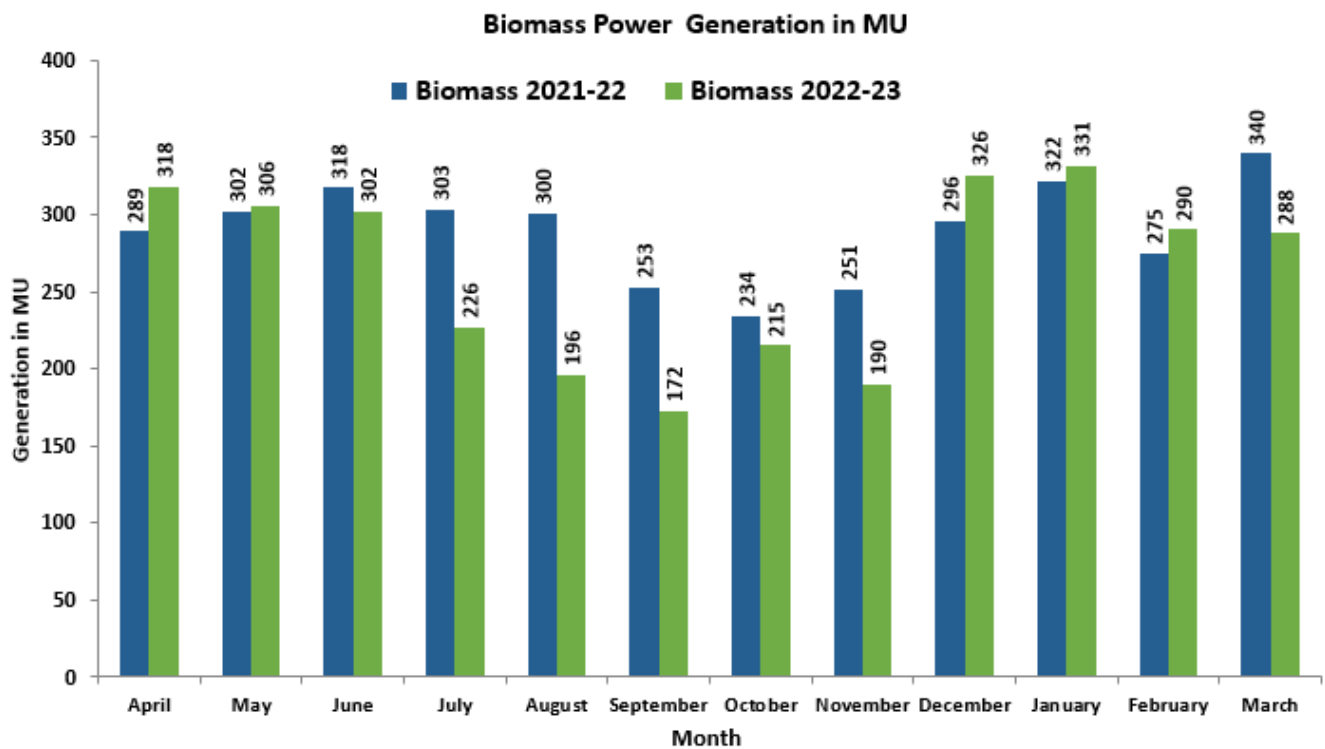


Figure 14: Month Wise Biomass Power Generation for the year 2021-22 and year 2022-23.

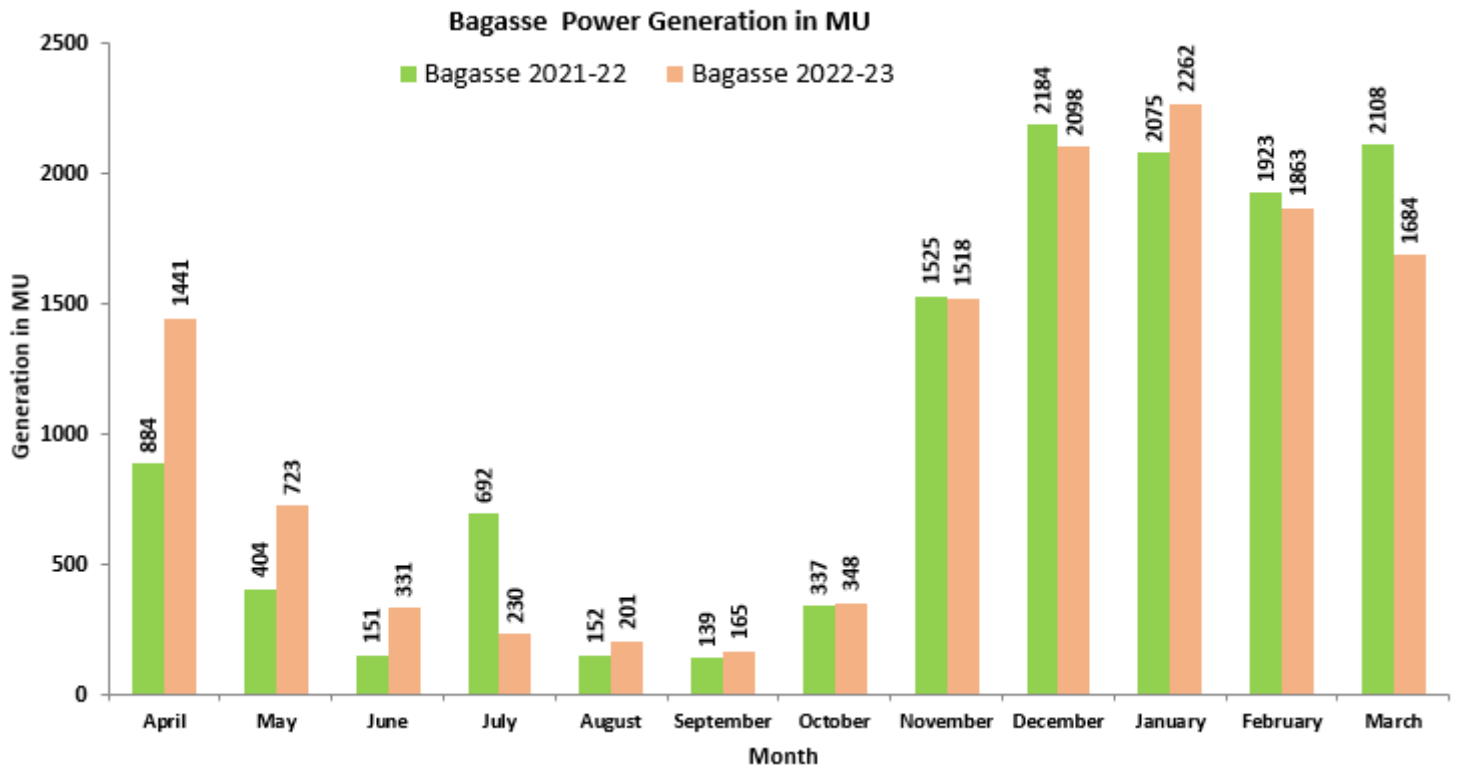


Figure 15: Month Wise Bagasse Power Generation for the year 2021-22 and year 2022-23.

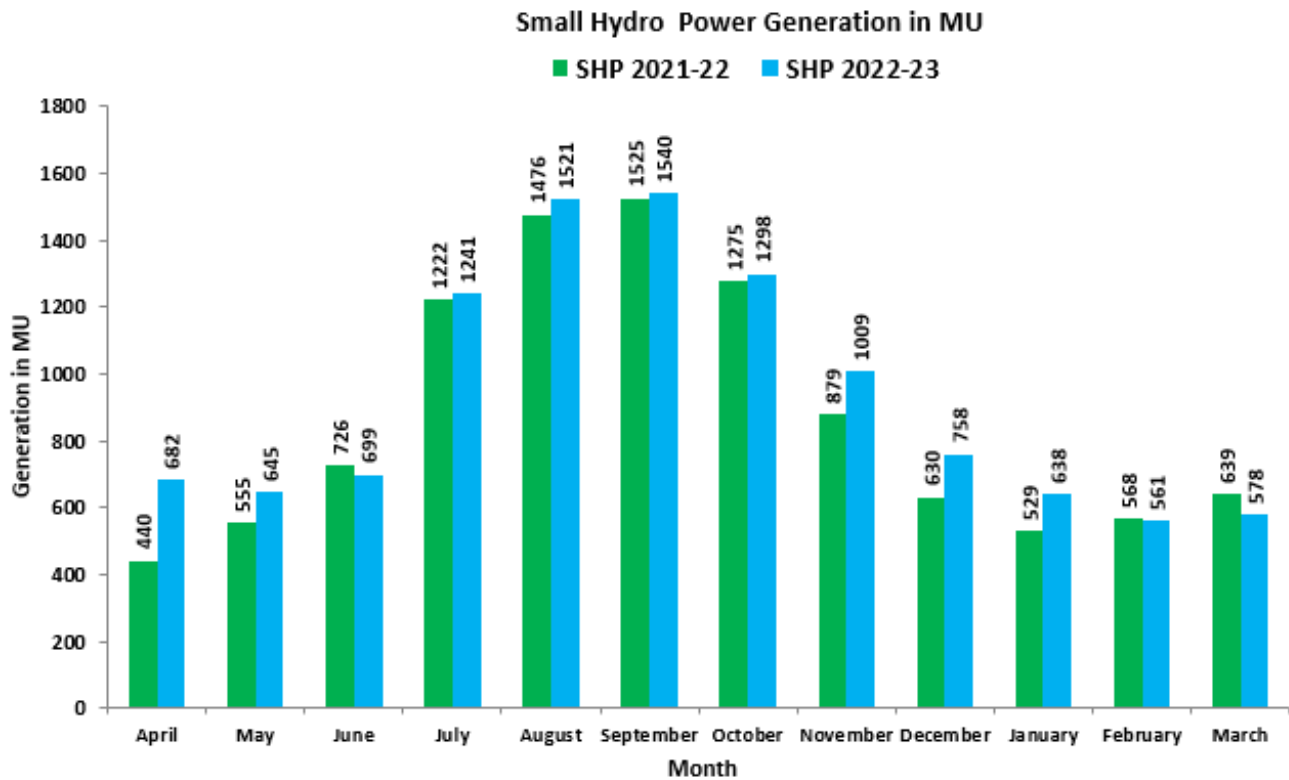


Figure 16: Month Wise Small Hydro Power Generation for the year 2021-22 and year 2022-23.

Power Generation from other RE sources in MU

■ Other 2021-22 ■ Other 2022-23

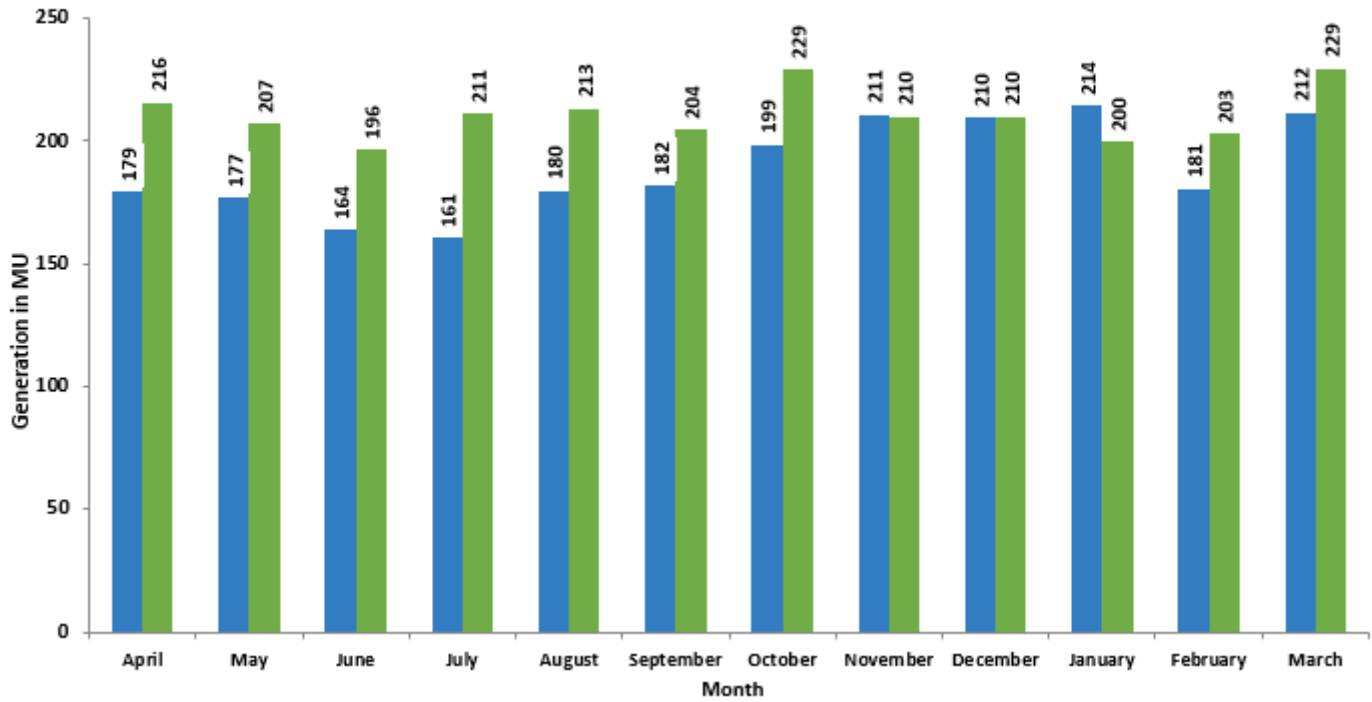


Figure 17: Month Wise Other RE (Waste Heat etc.) Power for the year 2021-22 and year 2022-23.

Year wise Generation of RE in MU

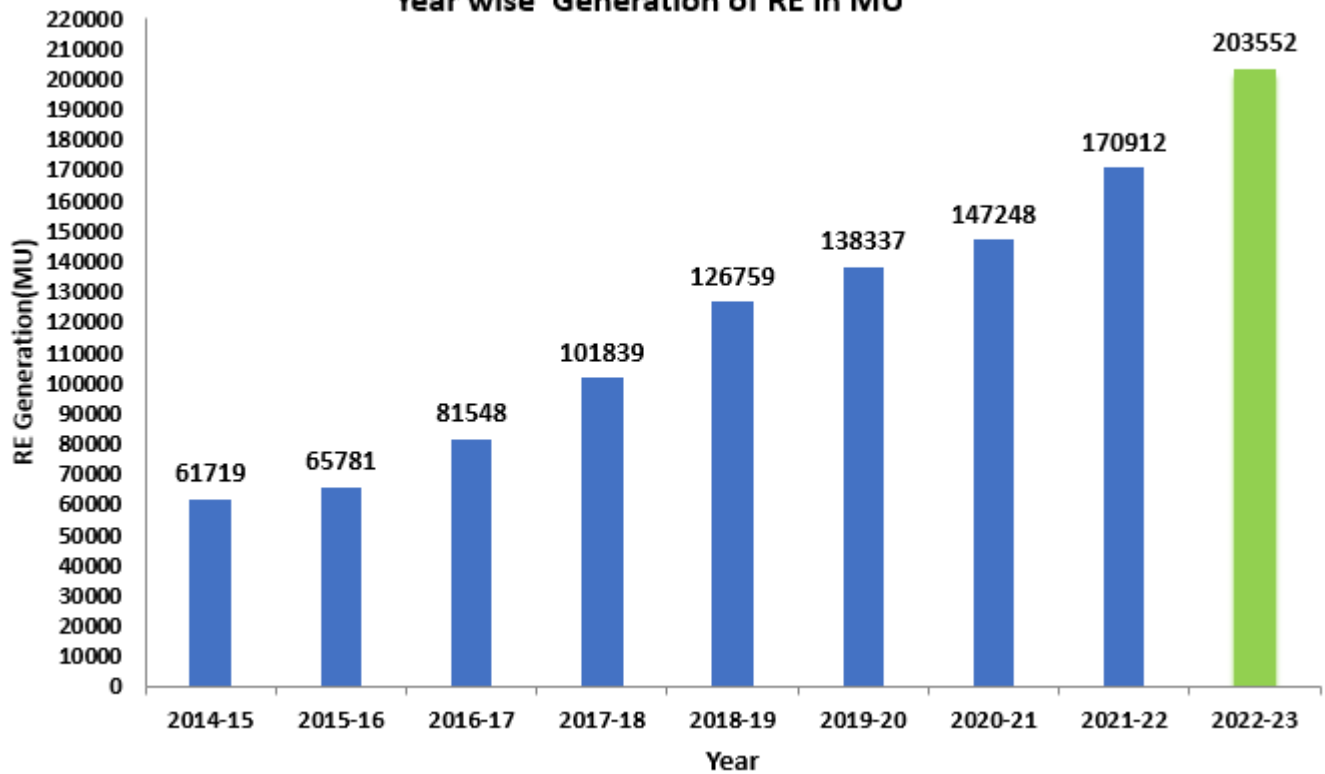


Figure 18: Year Wise RE Generation

All India Wind & Solar Power Daily Generation Report (March-2023)

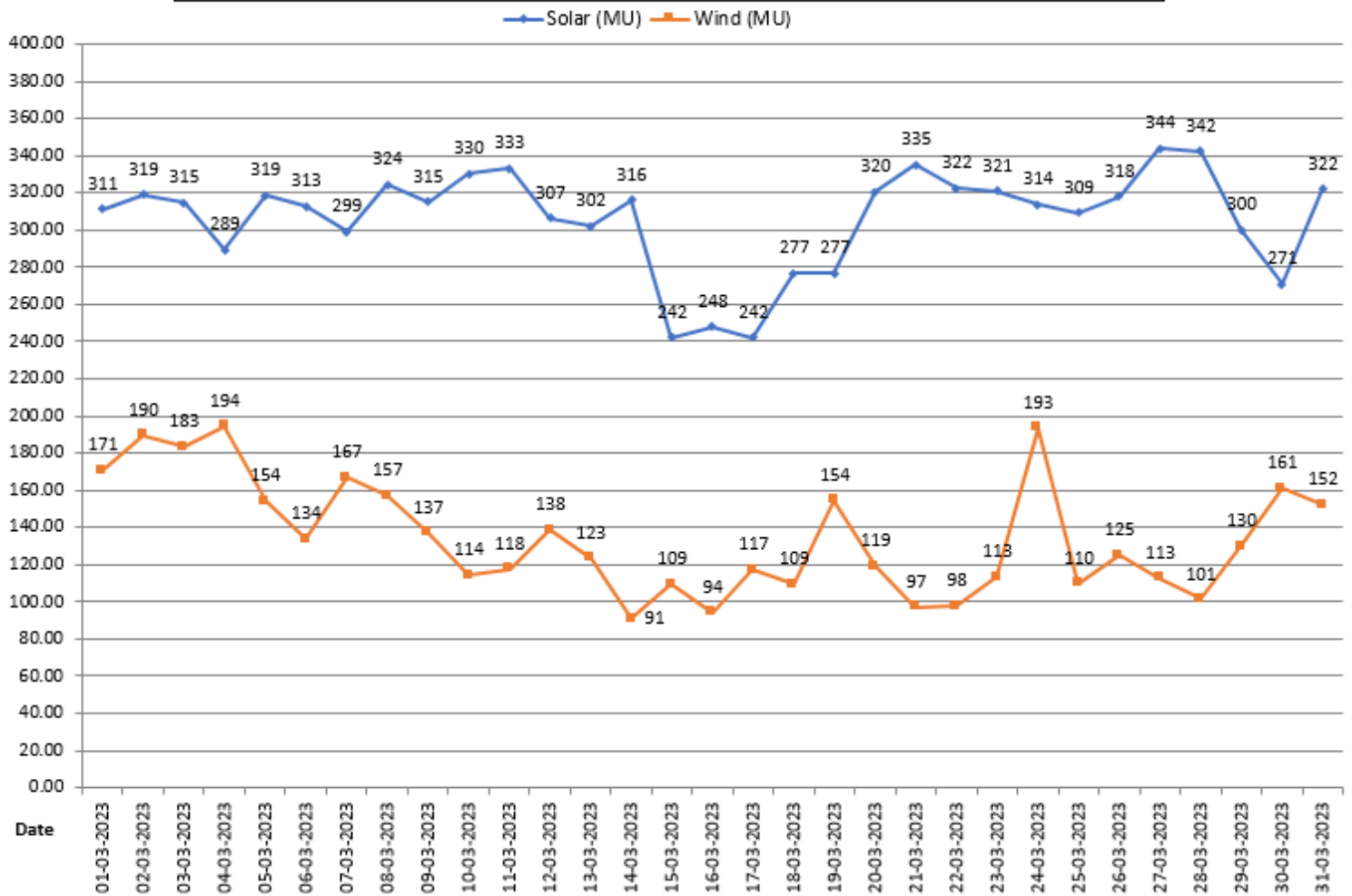


Figure 19: Daily solar and wind power generation trend in the month of March-2023

Summary of All India Total Renewable Energy Generation

Table 1 All India Summary of Renewable Energy Generation

Category	Installed Capacity as per MNRE (MW) (as on 31.03.2023)	Capacity informed to CEA for RE Generation (MW) (as on 31.03.2023)	RE Generation (MU) March'2023	RE Generation (MU) March'2022	% of same Month Last Year	RE Generation (MU) April'2022-March'2023	RE Generation (MU) April'2021-March'2022	% of same period Last Year
पवन/Wind	42633.13	42686.395	4141.07	4006.84	103.35	71814.16	68640.07	104.62
सौर/Solar	66780.34	57309.63(*)	10244.34	8338.23	122.86	102014.24	73483.94	138.83
बायोमास/Biomass	10248.01	8528.374	287.93	339.70	84.76	3161.32	3482.70	90.77
बगास/Bagasse			1683.65	2107.52	79.89	12863.16	12573.88	102.30
लघु जल विद्युत्/Small Hydro	4944.30	3944.77	578.32	639.07	90.49	11170.11	10463.54	106.75
अन्य/Others	554.03	549.12	229.41	211.71	108.36	2529.18	2268.17	111.51
कुल/Total	125159.81	113018.29	17164.72	15643.06	109.73	203552.17	170912.30	119.10

(*) Solar Installed capacity including 1.8GW rooftop solar.

Table 2: Renewable Energy Generation by ISGS Stations for the Month of March 2023.

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Generation (MU)
Unchahar Solar	Uttar Pradesh	Central	NTPC	Solar	1.28
Dadri Solar	Uttar Pradesh	Central	NTPC	Solar	0.56
Singrauli Solar	Uttar Pradesh	Central	NTPC	Solar	1.77
Auraiya	Uttar Pradesh	Central	NTPC	Solar	6.54
Kolayat	Rajasthan	Central	NTPC	Solar	84.03
Nokhra	Rajasthan	Central	NTPC	Solar	39.11
Devikot	Rajasthan	Central	NTPC	Solar	47.24
ABC Renewable Energy	Rajasthan	Private	IPP	Solar	64.82
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	IPP	Solar	51.12
Acme Heerghar Powertech Pvt Ltd	Rajasthan	Private	IPP	Solar	48.48
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	IPP	Solar	235.92
Adani Hybrid Energy	Rajasthan	Private	IPP	Solar	95.98
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	IPP	Solar	87.18
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	IPP	Solar	91.13
Adani RERJL	Rajasthan	Private	IPP	Solar	40.82
Adani SE Jaisalmer One	Rajasthan	Private	IPP	Solar	119.38
Adani SE4PL(Kilaj Solar)	Rajasthan	Private	IPP	Solar	10.59
Adani SEJ5PL(SB Energy)	Rajasthan	Private	IPP	Solar	40.35
Adani SERJ1PL(SB Energy Six)	Rajasthan	Private	IPP	Solar	64.05
Avaada Sunrays	Rajasthan	Private	IPP	Solar	65.59
Avaada RJHN	Rajasthan	Private	IPP	Solar	48.15
Avaada Sunce	Rajasthan	Private	IPP	Solar	69.70
Avaada Sustainable	Rajasthan	Private	IPP	Solar	61.45
Ayana Renewable One	Rajasthan	Private	IPP	Solar	65.45
Azure Power Forty One Private Limited	Rajasthan	Private	IPP	Solar	61.48
Azure Power Forty Three Private Ltd	Rajasthan	Private	IPP	Solar	125.56
Azure Power India Pvt Ltd	Rajasthan	Private	IPP	Solar	37.48
Azure Power Maple	Rajasthan	Private	IPP	Solar	35.32
Azure Power Thirty Four Private Ltd	Rajasthan	Private	IPP	Solar	26.12
Clean Solar Power	Rajasthan	Private	IPP	Solar	45.19
Clean Solar Power (Bhadla) Pvt Ldt	Rajasthan	Private	IPP	Solar	62.27
Eden Renewable Cite Private Limited	Rajasthan	Private	IPP	Solar	67.98
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	IPP	Solar	10.78
Mahindra Renewable Private Limited	Rajasthan	Private	IPP	Solar	52.18

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Generation (MU)
Mega Surya Urja	Rajasthan	Private	IPP	Solar	50.81
Nindan Solar Fatehgar	Rajasthan	Private	IPP	Solar	65.73
Renew Jharkhand	Rajasthan	Private	IPP	Solar	66.22
Renew Solar Power Pvt Ltd	Rajasthan	Private	IPP	Solar	10.33
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	IPP	Solar	51.96
Renew Solar Urja	Rajasthan	Private	IPP	Solar	65.19
Renew Sun Bright	Rajasthan	Private	IPP	Solar	65.95
Renew Sun Waves Private Limited	Rajasthan	Private	IPP	Solar	65.84
Renew Surya Ravi	Rajasthan	Private	IPP	Solar	29.78
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	IPP	Solar	45.26
Tata Power Green Energy	Rajasthan	Private	IPP	Solar	44.37
Tata Power Renewable Energy Ltd	Rajasthan	Private	IPP	Solar	61.94
Thar Surya1	Rajasthan	Private	IPP	Solar	55.17
Northern Region					2643.60
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	IPP	Solar	47.24
Acme Solar (Ramnagar)	Madhya Pradesh	Private	IPP	Solar	0.00
Mahindra Solar (Badwar)	Madhya Pradesh	Private	IPP	Solar	47.21
Solapur_Solar	Maharashtra	Private	IPP	Solar	1.52
ESPL RSP Solar	Gujarat	Private	IPP	Solar	44.01
TPREL RSP Solar	Gujarat	Private	IPP	Solar	22.71
GIPCL RSP Solar	Gujarat	Private	IPP	Solar	22.97
Powerica Wind	Gujarat	Private	IPP	Solar	8.75
NTPC Kawas	Gujarat	Central	NTPC	Solar	10.10
GSECL	Gujarat	Private	IPP	Solar	16.57
Athen_RUM	Gujarat	Private	IPP	Solar	47.30
Gandhar_Solar	Gujarat	Private	IPP	Solar	2.60
RPL_SECI-II	Gujarat	Private	IPP	Solar	38.00
AWEK4L	Gujarat	Private	IPP	Wind	0.00
AWEKL1L	Gujarat	Private	IPP	Wind	71.29
AWEMP1PL	Gujarat	Private	IPP	Wind	53.43
Alfnar Wind	Gujarat	Private	IPP	Wind	38.78
Adani Green Energy Mp Ltd(Dayapar)(CPTTNPL)	Gujarat	Private	IPP	Wind	0.00
Giwel-II Wind (Vadva)	Gujarat	Private	IPP	Wind	39.09
Giwel-III Wind (Naranpar)	Gujarat	Private	IPP	Wind	46.87
IWISL Wind (Dayapar)	Gujarat	Private	IPP	Wind	25.73
Ostro Wind (Kutch)	Gujarat	Private	IPP	Wind	51.65
Renew Ap2 Wind(Ghadsisa)	Gujarat	Private	IPP	Wind	57.48
Avikiran Solar India Private Limited (ASIPL)	Gujarat	Private	IPP	Wind	21.52
SITAC	Gujarat	Private	IPP	Wind	41.87
SRIJAN	Gujarat	Private	IPP	Wind	10.58
Western Region					767.27

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Generation (MU)
Beetam(Tuticorin)	Tamil Nadu	Private	IPP	Wind	27.58
GRTJIPL	Tamil Nadu	Private	IPP	Wind	28.63
Mytra	Tamil Nadu	Private	IPP	Wind	24.56
Orange	Tamil Nadu	Private	IPP	Wind	28.95
Green Infra	Tamil Nadu	Private	IPP	Wind	39.05
Hiritur Ostro	Tamil Nadu	Private	IPP	Wind	49.11
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	IPP	Wind	29.31
JSW_Renew2 Tuticorin	Tamil Nadu	Private	IPP	Wind	6.23
Ettayapuram	Tamil Nadu	Central	NTPC	Solar	43.66
RSTPS Floating Solar	Andhra Pradesh	Private	IPP	Solar	18.33
Simhadri Floating Solar	Andhra Pradesh	Private	IPP	Solar	4.36
Adani7	Telangana	Private	IPP	Solar	57.12
Biwadi	Andhra Pradesh	Private	IPP	Solar	11.01
Hisar	Andhra Pradesh	Private	IPP	Solar	10.78
Karnal	Andhra Pradesh	Private	IPP	Solar	10.88
Ayana	Andhra Pradesh	Private	IPP	Solar	55.80
Azure	Andhra Pradesh	Private	IPP	Solar	9.28
FRV2	Andhra Pradesh	Private	IPP	Solar	10.17
FRV	Andhra Pradesh	Private	IPP	Solar	10.62
NTPC	Andhra Pradesh	Private	IPP	Solar	36.00
Sprng Agnitra	Andhra Pradesh	Private	IPP	Solar	52.91
Tata	Andhra Pradesh	Private	IPP	Solar	19.13
Adyah10	Karnataka	Private	IPP	Solar	68.12
Adyah13	Karnataka	Private	IPP	Solar	
Adyah1	Karnataka	Private	IPP	Solar	
Adyah2	Karnataka	Private	IPP	Solar	
Adyah3	Karnataka	Private	IPP	Solar	
Adyah6	Karnataka	Private	IPP	Solar	
Amplus	Karnataka	Private	IPP	Solar	10.99
Avaada	Karnataka	Private	IPP	Solar	32.45
Avaada Solarise	Karnataka	Private	IPP	Solar	33.21
Azure Power	Karnataka	Private	IPP	Solar	23.48
Fortum Finsurya	Karnataka	Private	IPP	Solar	19.80
Fortum	Karnataka	Private	IPP	Solar	55.55
Kredl	Karnataka	Private	IPP	Solar	10.15
Parampujya	Karnataka	Private	IPP	Solar	31.38
Renew	Karnataka	Private	IPP	Solar	11.08
SBG	Karnataka	Private	IPP	Solar	45.76
Tata	Karnataka	Private	IPP	Solar	85.72
Yarrow	Karnataka	Private	IPP	Solar	10.62
Southern Region					1021.78
All India Total					4432.65

Source: - Generation from ISGS projects is prepared from block wise data received from RPCs.

2. Generation of ISGS generating stations is included in respective State in Renewable Energy Generation sheet according to physical location so their generation should not be considered additional generation

Table 3: Renewable Energy Generation by CPSU Owned stations

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation(MU) Mar'2023	RE Generation(MU) Mar'2022	RE Generation(MU) April'2022-Mar'2023	RE Generation(MU) April'2021-Mar'2022
NTPC							
Faridabad	Haryana	5.00	Solar	0.58	0.72	6.17	6.79
Bhadla	Rajasthan	260.00	Solar	3.63	41.78	431.12	442.24
Jetsar	Rajasthan	160.00	Solar	32.50	17.47	347.44	63.95
Fatehgarh	Rajasthan	296.00	Solar	65.66	8.83	687.49	68.31
Devikot	Rajasthan	240.00	Solar	12.96	0.00	148.09	0.00
Nokhra	Rajasthan	150.00	Solar	4.03	0.00	95.60	0.00
Dadri_	Uttar Pradesh	5.00	Solar	0.55	0.67	6.13	6.39
Unchahar	Uttar Pradesh	10.00	Solar	1.30	1.29	13.74	12.17
Singrauli	Uttar Pradesh	15.00	Solar	1.83	2.04	20.10	20.05
Auraiya	Uttar Pradesh	40.00	Solar	6.54	3.48	49.69	32.19
Singrauli	Uttar Pradesh	8.00	Small Hydro	2.80	3.23	30.83	22.44
Rojmal	Gujarat	50.00	Wind	6.64	9.56	102.95	103.51
Rajgarh	Madhya Pradesh	50.00	Solar	2.26	7.81	73.97	74.28
Mandsaur	Madhya Pradesh	250.00	Solar	33.74	39.32	380.91	383.40
Solapur	Maharashtra	10.00	Solar	1.35	0.00	4.04	0.00
Anantapuram	Andhra Pradesh	250.00	Solar	6.49	31.69	377.09	377.92
Ramagundam	Telangana	110.00	Solar	19.45	7.44	176.37	33.78
Andaman Nicobar	Andaman Nicobar	5.00	Solar	0.59	0.51	5.44	5.41
Talchar_Solar	Orissa	10.00	Solar	1.05	1.28	13.16	13.19
Solar_Bilhaur	Uttar Pradesh	225.00	Solar	9.68	53.11	479.83	464.33
Simhadri Floating Project	Andhra Pradesh	25.00	Solar	0.00	4.88	46.87	29.95
Kayamkulam	Kerala	92.00	Solar	21.04	0.05	170.98	0.05
Kawas	Gujarat	56.00	Solar	10.10	0.00	74.31	0.00
Gandhar	Gujarat	10.00	Solar	2.65	0.00	12.94	0.00
Shambu ki Burj-I	Rajasthan	250.00	Solar	54.16	0.00	380.82	0.00
Shambu ki Burj-II	Rajasthan	150.00	Solar	32.16	0.00	156.75	0.00
Ettayapuram	Tamil Nadu	230.00	Solar	16.34	0.00	145.52	0.00
Total NTPC		2962.00		350.08	235.16	4438.35	2160.35

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation(MU) Mar'2023	RE Generation(MU) Mar'2022	RE Generation(MU) April'2022-Mar'2023	RE Generation(MU) April'2021-Mar'2022
THDC							
Patan Wind Power Project	Gujarat	50.00	Wind	4.58	4.13	77.71	77.75
Devbhumi Dwarka Wind Power Project	Gujarat	63.00	Wind	7.97	11.98	140.75	156.88
Solar Kasaragod	Kerala	50.00	Solar	10.26	9.30	94.53	89.11
Rishikesh office Premises	Uttar Pradesh	0.50	Solar	0.05	0.06	0.50	0.34
Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24.00	Small Hydro	3.92	6.53	82.46	58.24
Total THDC		187.50		26.78	32.00	395.95	382.32
NHPC							
Wind Power Project	Rajasthan	50.00	Wind	4.88	5.40	77.49	76.11
Solar Power Project	Tamilnadu	50.00	Solar	8.90	8.90	90.55	88.72
Total NHPC		100.00		13.78	14.29	168.04	164.83
ONGC							
Wind, Bhuj	Gujarat	51.00	Wind	3.56	3.36	73.72	85.35
Wind, Jaisalmer	Rajasthan	102.00	Wind	6.89	9.09	131.49	142.01
Solar, Goa	Goa	1.00	Solar	0.16	0.12	1.38	1.43
Solar, Hazira	Gujarat	10.00	Solar	1.37	1.53	14.68	14.73
Solar, Hazira	Gujarat	5.00	Solar	0.70	0	0.96	0.00
Solar, Ankleshwar	Gujarat	5.00	Solar	0.84	0.84	9.22	7.62
Solar,Rajahmundry	Andhra Pradesh	1.00	Solar	0.09	0.11	1.03	1.08
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.13	0.12	1.49	1.34
Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.59	0.64	6.58	2.28
Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.46	0.47	5.18	5.44
Solar, Assam (RTS)	Assam	1.65	Solar	0.14	0.17	1.65	1.75
Solar, Uttarkhand (RTS)	Uttarkhand	1.24	Solar	0.14	0.15	1.47	1.43
Solar, Agartala asset	Tripura	0.25	Solar	0.02	0.03	0.27	0.27

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation(MU) Mar'2023	RE Generation(MU) Mar'2022	RE Generation(MU) April'2022-Mar'2023	RE Generation(MU) April'2021-Mar'2022
Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00	0.03	0.01
Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.01	0.01	0.08	0.11
Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.04	0.00	0.32	0.00
ONGC Colony Noida	Uttar Pradesh	0.06	Solar	0.01	0.00	0.01	0.00
Total ONGC		189.05		15.13	16.63	249.53	264.85
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	1.88	2.35	50.98	47.23
Sadla Wind Power	Gujarat	50.00	Solar	5.96	7.44	92.78	102.68
Charanka Solar Power	Gujarat	5.60	Solar	0.87	0.94	8.75	8.60
Wadhal Solar Power Project	Gujarat	1.00	Solar	0.12	0.00	1.32	0.00
Parasan Solar Power	Gujarat	75.00	Solar	15.15	0.00	50.89	0.00
Total SJVN		179.20		23.96	10.72	204.71	158.50
Oil India Ltd							
Oil India Ltd	Rajasthan	14.00	Solar	2.05	2.29	24.49	24.18
Oil India Ltd	Rajasthan	67.60	Wind	4.63	5.07	81.20	75.86
Oil India Ltd	Gujarat	43.30	Wind	6.99	8.30	95.70	96.68
Oil India Ltd	Madhya Pradesh	63.20	Wind	6.65	7.89	98.92	120.28
Total Oil India Ltd		188.10		20.32	23.55	300.31	317.00
NEEPCO							
NEEPCO	Tripura	5.00	Solar	0.54	0.67	5.53	5.95
DVC							
DVC	West Bengal	0.08	Solar	0.01	0.01	0.08	3.00
DVC	Jharkhand	4.00	Small Hydro	0.00	0.00	2.40	19.22
Total DVC		4.08		0.01	0.01	2.48	22.22
All India Total		3814.93		450.61	333.04	5764.90	3476.03

Note: 1.Generation of CPSU owned RE generating stations is included in respective State in Renewable Energy Generation Sheet according to physical location so their generation should not be considered additional generation.

Table 4:- RE Deviation Data for ISGS

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of March 2023					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Northern Region					
ACME HEERGARH POWERT	Solar	42.83	45.82	2.99	6.98
ACSEPL_BHADLA	Solar	47.83	48.48	0.65	1.36
ADANI HYBRID	Solar	105.59	95.98	-9.61	-9.10
ADANI HYBRID FOUR	Solar	246.05	235.92	-10.13	-4.12
ADANI HYBRID THREE	Solar	90.50	87.18	-3.32	-3.67
ADANI HYBRID TWO	Solar	91.28	91.13	-0.15	-0.16
Adani RERJL	Solar	44.56	40.82	-3.74	-8.39
Adani SE Jaisalmer One	Solar	118.07	119.38	1.31	1.11
ADANI SE JODHPUR 2 L	Solar	11.75	10.78	-0.97	-8.26
Adani SE4PL	Solar	11.44	10.59	-0.85	-7.43
Adani SEJ5PL	Solar	41.34	40.35	-0.99	-2.39
Adani SERJ1PL	Solar	67.29	64.05	-3.24	-4.81
AURAIYA SOLAR	Solar	6.86	6.54	-0.32	-4.66
AVAADA RJHN	Solar	49.77	48.15	-1.62	-3.25
AVAADA SUNCE	Solar	73.04	69.70	-3.34	-4.57
AVAADA SUNRAYS	Solar	73.85	65.59	-8.26	-11.18
AVAADA SUSTAINABLE	Solar	62.88	61.45	-1.43	-2.27
AYANA RENEWABLE ONE	Solar	66.44	65.45	-0.99	-1.49
AZURE FORTY ONE	Solar	61.41	61.48	0.07	0.11
AZURE FORTY THREE	Solar	128.48	125.56	-2.92	-2.27
AZURE POWER MAPLE	Solar	37.58	35.32	-2.26	-6.01
AZURE POWER THIRTY F	Solar	26.30	26.12	-0.18	-0.68
AZURE SOLAR	Solar	37.81	37.48	-0.33	-0.87
CLEAN SOLAR POWER	Solar	46.10	45.19	-0.91	-1.97
CSP_BHADLA	Solar	62.45	62.27	-0.18	-0.29
DADRI SOLAR	Solar	0.65	0.56	-0.09	-13.85
DEVIKOT	Solar	47.79	47.24	-0.55	-1.15
EDEN RENEWABLE	Solar	68.43	67.98	-0.45	-0.66
KOLYAT SOLAR BIKANER	Solar	80.81	84.03	3.22	3.98
MAHINDRA RPL	Solar	54.04	52.18	-1.86	-3.44
MEGA SURYAURJA	Solar	52.69	50.81	-1.88	-3.57
NIDAN SOLAR FATEHGAR	Solar	65.88	65.73	-0.15	-0.23
NOKHRA	Solar	39.08	39.11	0.03	0.08
RENEW JHARKHAND	Solar	66.65	66.22	-0.43	-0.65
RENEW SOLAR	Solar	10.81	10.33	-0.48	-4.44
RENEW SOLAR URJA	Solar	64.93	65.19	0.26	0.40
RENEW SUN BRIGHT	Solar	65.97	65.95	-0.02	-0.03
RENEW SUN WAVES	Solar	66.74	65.84	-0.90	-1.35
RENEW SURYA RAVI	Solar	31.06	29.78	-1.28	-4.12
RSPPL_BKN	Solar	52.33	51.96	-0.37	-0.71
SBSR POWER CLEANTECH	Solar	45.62	45.26	-0.36	-0.79

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of March 2023					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
SINGRAULI SOLAR	Solar	2.10	1.77	-0.33	-15.71
TATA POWER GREEN ENERGY	Solar	48.41	44.37	-4.04	-8.35
TATA SOLAR	Solar	66.89	61.94	-4.95	-7.40
THAR SURYA 1	Solar	56.17	55.17	-1.00	-1.78
UNCHAHAHAR SOLAR	Solar	1.60	1.28	-0.32	-20.00
Western Region					
Alfnar Wind	Wind	45.64	38.78	-6.86	-15.03
Arinsun Solar (Barsaitadesh)	Solar	45.50	47.24	1.74	3.82
Avikiran Solar India Private Limited (ASIPL)	Wind	23.61	21.52	-2.09	-8.85
Athen_RUM	Solar	47.03	47.30	0.27	0.57
AWEK1L	Wind	86.28	71.29	-14.99	-17.37
AWEMP1PL_PTNGR_IDR_W	Wind	60.96	53.43	-7.53	-12.35
ESPL RSP Solar	Solar	45.08	44.01	-1.07	-2.37
GANDHAR_SOLAR	Solar	2.36	2.60	0.24	10.17
GIPCL RSP Solar	Solar	24.01	22.97	-1.04	-4.33
Giwel-III Wind (Naranpar)	Wind	52.98	46.87	-6.11	-11.53
Giwel-II Wind (Vadva)	Wind	45.14	39.09	-6.05	-13.40
GSECL	Solar	16.23	16.57	0.34	2.09
IWISL Wind (Dayapar)	Wind	32.81	25.73	-7.08	-21.58
NTPC Kawas	Solar	10.95	10.10	-0.85	-7.76
Mahindra Solar (Badwar)	Solar	47.11	47.21	0.10	0.21
Ostro Wind (Kutch)	Wind	61.99	51.65	-10.34	-16.68
Powerica	Wind	9.74	8.75	-0.99	-10.16
Renew Solar (Bhuvad)	Solar	47.75	38.00	-9.75	-20.42
Renew Ap2 Wind(Ghadsisa)	Wind	63.02	57.48	-5.54	-8.79
SITAC Wind	Wind	46.69	47.87	1.18	2.53
Solapur_Solar-Schedule	Solar	1.50	1.52	0.02	1.33
SRIJAN Wind	Wind	12.77	10.58	-2.19	-17.15
TPREL RSP Solar	Solar	23.73	22.71	-1.02	-4.30
Southern Region					
BEETAM	Wind	32.72	27.58	-5.14	-15.71
GIREL	Wind	46.13	39.05	-7.08	-15.35
MYTRAH	Wind	31.30	24.56	-6.74	-21.53
ORANGE	Wind	35.38	28.95	-6.43	-18.17
SPRNG RENEWABLE ENERGY PVT LTD(PUGALUR)	Wind	36.84	29.31	-7.53	-20.44
GRTJIPL	Wind	29.96	28.63	-1.33	-4.44

Source:- Deviation data for ISGS Projects is prepared from block wise data received from RPCs

Table 5:-Fossil and Non-Fossil Generation for the Month of March 2023

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of March 2023							
State/UT	Fossil		Nuclear	Non Fossil		Grand Total	Non Fossil as % of Total Generation
	Thermal	Gas		Hydro (Large)	Renewable Energy		
NORTHERN REGION							
Chandigarh	0.00	0.00	0.00	0.00	1.43	1.43	100.00
Delhi	0.00	103.10	0.00	0.00	53.49	156.59	34.16
Haryana	1991.30	0.00	0.00	0.00	120.63	2111.93	5.71
HP	0.00	0.00	0.00	1462.76	121.49	1584.25	100.00
J & K	0.00	0.00	0.00	1103.70	27.88	1131.58	100.00
Ladakh	0.00	0.00	0.00	16.82	0.00	16.82	100.00
Punjab	2740.65	0.00	0.00	304.33	465.54	3510.52	21.93
Rajasthan	4602.22	99.79	445.32	75.02	3774.44	8996.79	47.74
Uttar Pradesh	11987.34	18.55	315.54	56.73	927.65	13305.81	9.77
Uttarakhand	0.00	0.00	0.00	672.73	77.81	750.54	100.00
Northern Region Total	21321.51	221.44	760.86	3692.09	5570.35	31566.25	31.75
WESTERN REGION							
Chhattisgarh	14221.93	0.00	0.00	27.83	214.83	14464.59	1.68
Gujarat	3707.93	309.84	319.88	291.45	2258.10	6887.20	41.66
Madhya Pradesh	11546.05	0.00	0.00	270.29	682.07	12498.41	7.62
Maharashtra	12072.83	210.44	612.07	453.17	1466.48	14814.99	17.09
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	1.51	1.51	100.00
Goa	0.00	0.00	0.00	0.00	1.94	1.94	100.00
Western Region Total	41548.74	520.28	931.95	1042.74	4624.93	48668.64	13.56
SOUTHERN REGION							
Andhra Pradesh	5968.55	0.00	0.00	197.60	1286.49	7452.64	19.91
Telangana	5038.33	0.00	0.00	76.64	731.71	5846.68	13.83
Karnataka	3850.34	0.00	665.97	992.90	2660.88	8170.09	52.87
Kerala	0.00	0.00	0.00	439.73	144.66	584.39	100.00
Tamil Nadu	6540.22	257.75	1689.01	257.75	1807.20	10551.93	35.58
Lakshadweep	5.56	0.00	0.00	0.00	0.01	5.57	0.14
Puducherry	0.00	20.52	0.00	0.00	1.02	21.54	4.74
Southern Region Total	21403.00	278.27	2354.98	1964.62	6631.97	32632.84	33.56
EASTERN REGION							
Andaman Nicobar	28.69	0.00	0.00	0.00	2.68	31.37	8.54
Bihar	4736.66	0.00	0.00	0.00	35.94	4772.60	0.75
Jharkhand	2775.45	0.00	0.00	7.87	1.47	2784.79	0.34
Orissa	6151.16	0.00	0.00	317.59	88.62	6557.37	6.19
Sikkim	0.00	0.00	0.00	332.13	1.03	333.16	100.00
West Bengal	8206.03	0.00	0.00	138.90	163.07	8508.00	3.55
Eastern Region Total	21897.99	0.00	0.00	796.49	292.81	22987.29	4.74

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of March 2023

State/UT	Fossil		Nuclear	Non Fossil		Grand Total	Non Fossil as % of Total Generation
	Thermal	Gas		Hydro (Large)	Renewable Energy		
NORTH-EASTERN REGION							
Arunachal Pradesh	0.00	0.00	0.00	203.63	0.27	203.90	100.00
Assam	325.94	291.78	0.00	14.14	26.84	658.70	6.22
Manipur	0.00	0.00	0.00	8.58	1.28	9.86	100.00
Meghalaya	0.00	0.00	0.00	39.34	4.21	43.55	100.00
Mizoram	0.00	0.00	0.00	8.32	8.26	16.58	100.00
Nagaland	0.00	0.00	0.00	3.60	3.24	6.84	100.00
Tripura	0.00	632.25	0.00	0.00	0.54	632.79	0.09
North Eastern Region Total	325.94	924.03	0.00	277.61	44.65	1572.23	20.50
All India Total	106497.18	1944.02	4047.79	7773.55	17164.72	137427.26	21.09

Table 6:- Renewable Energy (excluding large Hydro) as % of Total Electricity Generated

RE Generation as proportion of Total Electricity generation(MU) -Physical location wise. (State Wise) for the Month of March 2023							
State/UT	Thermal	Gas	Nuclear	(Large Hydro)	Renewable Energy	Grand Total	RE as % of Total
NORTHERN REGION							
Chandigarh	0.00	0.00	0.00	0.00	1.43	1.43	100.00
Delhi	0.00	103.10	0.00	0.00	53.49	156.59	34.16
Haryana	1991.30	0.00	0.00	0.00	120.63	2111.93	5.71
HP	0.00	0.00	0.00	1462.76	121.49	1584.25	7.67
J & K	0.00	0.00	0.00	1103.70	27.88	1131.58	2.46
Ladakh	0.00	0.00	0.00	16.82	0.00	16.82	0.00
Punjab	2740.65	0.00	0.00	304.33	465.54	3510.52	13.26
Rajasthan	4602.22	99.79	445.32	75.02	3774.44	8996.79	41.95
Uttar Pradesh	11987.34	18.55	315.54	56.73	927.65	13305.81	6.97
Uttarakhand	0.00	0.00	0.00	672.73	77.81	750.54	10.37
Northern Region Total	21321.51	221.44	760.86	3692.09	5570.35	31566.25	17.65
WESTERN REGION							
Chhattisgarh	14221.93	0.00	0.00	27.83	214.83	14464.59	1.49
Gujarat	3707.93	309.84	319.88	291.45	2258.10	6887.20	32.79
Madhya Pradesh	11546.05	0.00	0.00	270.29	682.07	12498.41	5.46
Maharashtra	12072.83	210.44	612.07	453.17	1466.48	14814.99	9.90
Daman and Diu, Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	1.51	1.51	100.00
Goa	0.00	0.00	0.00	0.00	1.94	1.94	100.00
Western Region Total	41548.74	520.28	931.95	1042.74	4624.93	48668.64	9.50
SOUTHERN REGION							
Andhra Pradesh	5968.55	0.00	0.00	197.60	1286.49	7452.64	17.26
Telangana	5038.33	0.00	0.00	76.64	731.71	5846.68	12.51
Karnataka	3850.34	0.00	665.97	992.90	2660.88	8170.09	32.57
Kerala	0.00	0.00	0.00	439.73	144.66	584.39	24.75
Tamil Nadu	6540.22	257.75	1689.01	257.75	1807.20	10551.93	17.13
Lakshadweep	5.56	0.00	0.00	0.00	0.01	5.57	0.14
Puducherry	0.00	20.52	0.00	0.00	1.02	21.54	4.74
Southern Region Total	21403.00	278.27	2354.98	1964.62	6631.97	32632.84	20.32
EASTERN REGION							
Andaman Nicobar	28.69	0.00	0.00	0.00	2.68	31.37	8.54
Bihar	4736.66	0.00	0.00	0.00	35.94	4772.60	0.75
Jharkhand	2775.45	0.00	0.00	7.87	1.47	2784.79	0.05
Orissa	6151.16	0.00	0.00	317.59	88.62	6557.37	1.35
Sikkim	0.00	0.00	0.00	332.13	1.03	333.16	0.31
West Bengal	8206.03	0.00	0.00	138.90	163.07	8508.00	1.92
Eastern Region Total	21897.99	0.00	0.00	796.49	292.81	22987.29	1.27

RE Generation as proportion of Total Electricity generation(MU) -Physical location wise. (State Wise) for the Month of March 2023							
State/UT	Thermal	Gas	Nuclear	(Large Hydro)	Renewable Energy	Grand Total	RE as % of Total
NORTH-EASTERN REGION							
Arunachal Pradesh	0.00	0.00	0.00	203.63	0.27	203.90	0.13
Assam	325.94	291.78	0.00	14.14	26.84	658.70	4.07
Manipur	0.00	0.00	0.00	8.58	1.28	9.86	13.02
Meghalaya	0.00	0.00	0.00	39.34	4.21	43.55	9.68
Mizoram	0.00	0.00	0.00	8.32	8.26	16.58	49.82
Nagaland	0.00	0.00	0.00	3.60	3.24	6.84	47.37
Tripura	0.00	632.25	0.00	0.00	0.54	632.79	0.09
North Eastern Region Total	325.94	924.03	0.00	277.61	44.65	1572.23	2.84
All India Total	106497.18	1944.02	4047.79	7773.55	17164.72	137427.26	12.49

RE generation(MUs) data (source wise) for the month of March 2023 and March 2022 (Excluding Large Hydro)														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Heat etc.)		Total RE	
	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22
NORTHERN REGION														
Chandigarh	0.00	0.00	1.43	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.99
Delhi	0.00	0.00	17.21	20.04	0.00	0.00	0.00	0.00	0.00	0.00	36.28	18.60	53.49	38.64
Haryana	0.00	0.00	49.30	63.04	24.96	29.70	32.69	20.96	8.93	22.16	4.75	4.55	120.63	140.41
Himachal Pradesh	0.00	0.00	4.62	4.40	0.00	0.00	0.00	0.00	116.87	108.16	0.00	0.00	121.49	112.56
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.88	40.27	0.00	0.00	27.88	40.27
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	327.91	169.36	50.20	44.36	43.54	42.11	43.89	39.06	0.00	0.00	465.54	294.89
Rajasthan	369.80	435.42	3371.18	2469.90	32.59	34.25	0.00	0.00	0.86	1.78	0.00	0.00	3774.44	2941.35
Uttar Pradesh	0.00	0.00	373.45	348.38	4.94	9.50	528.31	549.00	14.64	21.34	6.30	0.00	927.65	928.22
Uttarakhand	0.00	0.00	27.65	27.65	0.00	0.00	20.71	20.71	29.45	29.45	0.00	0.00	77.81	77.81
Northern Region	369.80	435.42	4172.76	3103.76	112.69	117.81	625.25	632.78	242.52	262.22	47.33	23.15	5570.35	4575.13
WESTERN REGION														
Chhattisgarh	0.00	0.00	74.63	48.89	126.13	137.39	2.41	2.08	11.66	5.12	0.00	0.00	214.83	193.48
Gujarat	1167.62	1375.64	1066.91	760.42	0.00	0.00	0.00	0.87	23.57	23.29	0.00	0.00	2258.10	2160.22
Madhya Pradesh	300.14	289.10	331.88	441.02	8.34	7.08	16.03	18.01	21.19	13.78	4.50	4.07	682.07	773.06
Maharashtra	416.38	344.59	453.60	299.08	19.28	27.33	512.03	840.64	65.14	83.64	0.05	0.05	1466.48	1595.33
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	1.51	9.01	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	1.51	10.19
Goa	0.00	0.00	1.51	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.48	1.94	2.78
Western Region	1884.13	2009.33	1930.04	1560.72	153.75	172.97	530.47	861.60	121.57	125.83	4.97	4.59	4624.93	4735.05

RE generation(MUs) data (source wise) for the month of March 2023 and March 2022 (Excluding Large Hydro)														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Heat etc.)		Total RE	
	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22
SOUTHERN REGION														
Andhra Pradesh	428.94	387.94	784.13	764.52	2.85	8.06	9.02	12.78	36.04	35.74	25.51	22.35	1286.49	1231.39
Telangana	20.06	17.40	674.93	671.68	0.04	9.09	20.89	19.41	2.77	7.12	13.02	17.31	731.71	742.00
Karnataka	779.24	514.19	1459.07	1305.30	4.18	12.26	340.70	453.35	77.68	97.69	0.00	0.00	2660.88	2382.79
Kerala	7.39	13.10	96.71	54.58	0.00	0.00	7.28	4.29	33.28	59.38	0.00	0.00	144.66	131.35
Tamil Nadu	651.51	629.46	1002.66	763.90	10.99	10.85	131.05	115.19	11.00	10.45	0.00	0.00	1807.20	1529.85
Lakshadweep	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Puducherry	0.00	0.00	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.02
Southern Region	1887.13	1562.09	4018.53	3561.01	18.06	40.26	508.95	605.02	160.76	210.38	38.53	39.66	6631.97	6018.41
EASTERN REGION														
Andaman Nicobar	0.00	0.00	2.51	2.21	0.00	0.00	0.00	0.00	0.17	0.82	0.00	0.00	2.68	3.03
Bihar	0.00	0.00	15.79	18.17	0.00	0.00	18.99	8.12	1.16	1.62	0.00	0.00	35.94	27.91
Jharkhand	0.00	0.00	1.47	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	2.04
Orissa	0.00	0.00	65.23	65.98	3.42	8.66	0.00	0.00	19.97	15.86	0.00	0.00	88.62	90.50
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.00	0.00	1.03	164.41
West Bengal	0.00	0.00	12.45	11.28	0.00	0.00	0.00	0.00	12.66	8.83	137.96	144.31	163.07	1.03
Eastern Region	0.00	0.00	97.45	99.68	3.42	8.66	18.99	8.12	34.99	28.15	137.96	144.31	292.81	288.92

RE generation(MUs) data (source wise) for the month of March 2023 and March 2022 (Excluding Large Hydro)														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Heat etc.)		Total RE	
	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22	Mar'23	Mar'22
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	0.19	0.19	0.00	0.00	0.00	0.00	0.08	0.05	0.00	0.00	0.27	0.24
Assam	0.00	0.00	23.89	11.54	0.00	0.00	0.00	0.00	2.95	2.44	0.00	0.00	26.84	13.98
Manipur	0.00	0.00	0.67	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	1.28	0.68
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.21	3.77	0.00	0.00	4.21	3.77
Mizoram	0.00	0.00	0.27	0.09	0.00	0.00	0.00	0.00	7.99	3.01	0.00	0.00	8.26	3.10
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.24	3.22	0.00	0.00	3.24	3.22
Tripura	0.00	0.00	0.54	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.57
North Eastern Region	0.00	0.00	25.55	13.07	0.00	0.00	0.00	0.00	18.48	12.49	0.62	0.00	44.65	25.56
All India Total	4141.07	4006.84	10244.34	8338.23	287.93	339.70	1683.65	2107.52	578.32	639.07	229.41	211.71	17164.72	15643.06

Table 7: Monthly Source wise RE generation March -2023 and March -2022 (Excluding Large Hydro)

Table 8: Cumulative Source wise RE generation year 2022-23 and 2021-22 (Excluding Large Hydro)

RE generation(MUs) data (Source wise) for the year 2022-23 & year 2021-22 (Excluding Large Hydro)														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Total RE	
	Apr 22- Mar'23-	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22
NORTHERN REGION														
Chandigarh	0.00	0.00	12.61	14.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.61	14.19
Delhi	0.00	0.00	236.11	225.84	0.00	0.00	0.00	0.00	0.00	0.00	294.09	232.89	530.20	458.74
Haryana	0.00	0.00	555.20	572.85	356.07	171.60	203.01	96.75	241.90	270.13	63.55	24.09	1419.73	1135.42
Himachal Pradesh	0.00	0.00	58.76	44.29	0.00	0.00	0.00	0.00	2854.19	1999.47	0.00	0.00	2912.95	2043.76
J & K	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00	393.20	414.10	0.00	0.00	393.20	415.81
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	2778.66	1473.41	497.68	576.83	210.76	208.30	682.48	983.37	0.00	0.24	4169.59	3242.15
Rajasthan	6111.41	6493.19	34474.43	17219.88	397.05	378.40	0.00	0.00	7.17	7.85	0.00	0.00	40990.05	24099.31
Uttar Pradesh	0.00	0.00	3674.02	2900.41	66.35	85.20	3183.67	3160.39	234.69	162.54	58.45	20.40	7217.18	6328.93
Uttarakhand	0.00	0.00	331.80	301.60	0.00	0.00	248.52	244.02	353.40	326.70	0.00	0.00	933.72	872.32
Northern Region	6111.41	6493.19	42121.59	22754.17	1317.15	1212.03	3845.96	3709.46	4767.03	4164.16	416.08	277.62	58579.23	38610.64
WESTERN REGION														
Chhattisgarh	0.00	0.00	635.42	436.56	1194.60	1307.27	17.10	8.70	155.92	185.67	0.00	0.00	2003.05	1938.21
Gujarat	19206.22	17854.77	10335.32	6774.50	0.00	0.00	5.76	18.16	213.10	192.10	2.24	0.00	29762.63	24839.53
Madhya Pradesh	4486.72	4346.66	3839.30	4006.70	38.76	25.35	113.05	82.20	357.97	221.43	36.93	34.40	8872.71	8716.73
Maharashtra	7243.06	7085.98	4387.85	3187.18	236.48	316.79	4572.03	4468.31	766.73	787.16	0.44	0.22	17206.59	15845.65
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	27.40	84.51	3.22	12.32	0.00	0.00	0.00	0.00	0.00	0.00	30.63	96.83
Goa	0.00	0.00	14.87	15.93	0.00	0.00	0.00	0.00	0.00	0.00	5.09	0.89	19.96	16.82
Western Region	30935.99	29287.41	19240.16	14505.38	1473.06	1661.73	4707.94	4577.38	155.92	185.67	44.70	35.51	57895.56	51453.77

RE generation(MUs) data (Source wise) for the year 2022-23 & year 2021-22 (Excluding Large Hydro)

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Total RE	
	Apr 22- Mar'23-	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22
SOUTHERN REGION														
Andhra Pradesh	7426.46	7134.58	8140.72	7832.51	54.86	104.85	99.93	72.70	410.90	384.08	279.04	133.88	16411.91	15662.61
Telangana	279.23	275.69	6745.46	6536.94	21.48	111.13	132.94	103.95	91.71	91.00	159.08	227.21	7429.89	7345.90
Karnataka	9967.89	9491.62	14153.79	13169.43	106.90	174.08	3037.31	3338.24	2309.55	2460.91	0.00	0.00	29575.44	28634.28
Kerala	179.32	136.41	879.75	496.93	0.00	0.00	62.85	48.92	824.34	932.37	0.00	0.00	1946.26	1614.62
Tamil Nadu	16913.85	15821.18	9419.39	7172.88	126.93	116.66	869.56	657.40	296.71	293.17	0.00	0.00	27626.45	24061.28
Lakshadweep	0.00	0.00	0.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.30
Puducherry	0.00	0.00	12.24	12.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.24	12.24
<i>Southern Region</i>	<i>34766.76</i>	<i>32859.47</i>	<i>39351.45</i>	<i>35221.23</i>	<i>310.17</i>	<i>506.71</i>	<i>4202.58</i>	<i>4221.20</i>	<i>3933.21</i>	<i>4161.53</i>	<i>438.12</i>	<i>361.09</i>	<i>83002.29</i>	<i>77331.23</i>
EASTERN REGION														
Andaman Nicobar	0.00	0.00	23.94	21.51	0.00	0.00	0.00	0.00	13.94	13.26	0.00	0.00	37.88	34.77
Bihar	0.00	0.00	169.53	163.08	0.00	2.14	106.68	65.84	12.63	8.77	0.00	0.00	288.85	239.83
Jharkhand	0.00	0.00	19.70	18.21	0.00	0.00	0.00	0.00	0.00	10.49	0.00	0.00	19.70	28.71
Orissa	0.00	0.00	706.24	603.71	60.95	100.08	0.00	0.00	424.92	377.31	0.00	0.00	1192.10	1081.10
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.35	12.35	0.00	0.00	12.35	175.74
West Bengal	0.00	0.00	125.04	98.24	0.00	0.00	0.00	0.00	204.44	152.89	1629.64	1593.96	1959.12	1681.70
<i>Eastern Region</i>	<i>0.00</i>	<i>0.00</i>	<i>1044.45</i>	<i>904.75</i>	<i>60.95</i>	<i>102.22</i>	<i>106.68</i>	<i>65.84</i>	<i>668.29</i>	<i>575.08</i>	<i>1629.64</i>	<i>1593.96</i>	<i>3510.00</i>	<i>3241.85</i>

RE generation(MUs) data (Source wise) for the year 2022-23 & year 2021-22 (Excluding Large Hydro)

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Total RE	
	Apr 22- Mar'23-	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22	Apr 22- Mar'23	Apr 21- Mar'22
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	22.27	1.72	0.00	0.00	0.00	0.00	2.55	0.41	0.03	0.00	24.85	2.13
Assam	0.00	0.00	216.35	81.64	0.00	0.00	0.00	0.00	62.66	40.46	0.00	0.00	279.01	122.10
Manipur	0.00	0.00	8.17	6.72	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	8.79	6.72
Meghalaya	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	71.64	44.21	0.00	0.00	71.64	44.68
Mizoram	0.00	0.00	3.21	1.68	0.00	0.00	0.00	0.00	59.06	26.41	0.00	0.00	62.27	28.09
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.95	63.47	0.00	0.00	111.95	63.47
Tripura	0.00	0.00	6.58	6.18	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	6.58	7.62
North Eastern Region	0.00	0.00	256.58	98.41	0.00	0.00	0.00	0.00	307.86	176.40	0.65	0.00	565.09	274.81
All India Total	71814.16	68640.07	102014.24	73483.95	3161.32	3482.70	12863.16	12573.88	11170.11	10463.53	2529.18	2268.17	203552.17	170912.30



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