



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



June-2023/ जून-2023

नवीकरणीय परियोजना प्रबोधन प्रभाग
Renewable Project Monitoring Division

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Highlights of RE GENERATION

During June 2023

1. RE capacity addition during June 2023 has been 2873.51 MW (Solar - 2275.61 MW and Wind – 574.1 MW, Bio Power – 0.00 MW, Others (waste to energy)- 9.05 MW, Small Hydro - 14.75 MW).
2. RE generation during June 2023 has increased by 10.45 % as compared to June 2022.
3. Large Hydro Power generation during June 2023 as compared to June 2022 has increased by 02.78%.
4. Solar Power generation during June 2023 as compared to June 2022 has increased by 16.32 % on All India basis in all states except Andhra Pradesh, and Dadra and Nagar Haveli and Daman and Diu.
5. Wind Power generation during June 2023 as compared to June 2022 has increased by 19.05 % .
6. Biomass Power generation during June 2023 as compared to June 2022 has decreased by 4.66 % on All India basis except Haryana, Punjab and Odisha.
7. Bagasse power generation during June 2023 as compared to June 2022 has decreased by 45.29 % on All India basis except Punjab, Uttar Pradesh, Chhattisgarh, Kerala, Tamil Nadu, and Bihar.
8. Others (Waste to Heat) Power generation has increased by 96.32% during June 2023 as compared to June 2022 except Madhya Pradesh and Telangana.
9. Small Hydro Power generation during June 2023 as compared to June 2022 has increased by 5.21 % on All India basis except Jammu and Kashmir, Gujarat, Maharashtra, Karnataka, Kerala, Telangana and Tamil Nadu.

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

Increased by 197.71 % as compared to June 22.

Increased by 166.87 % as compared to May 23.

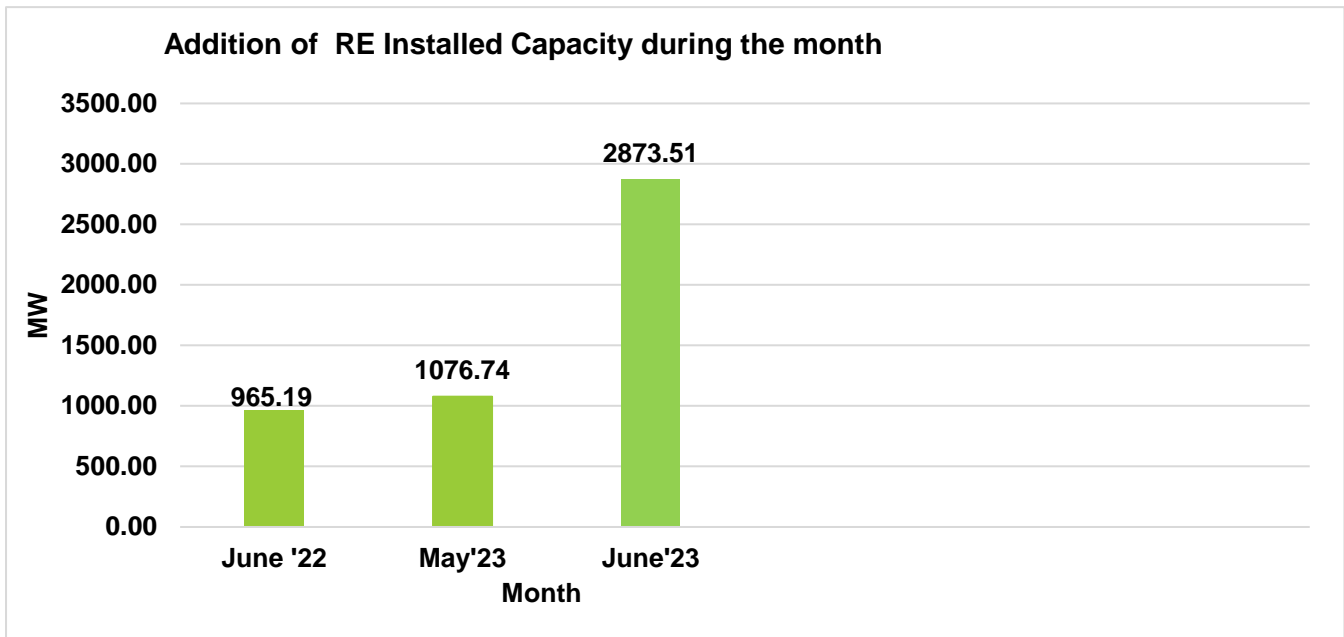


Figure 1: RE capacity added during the Month

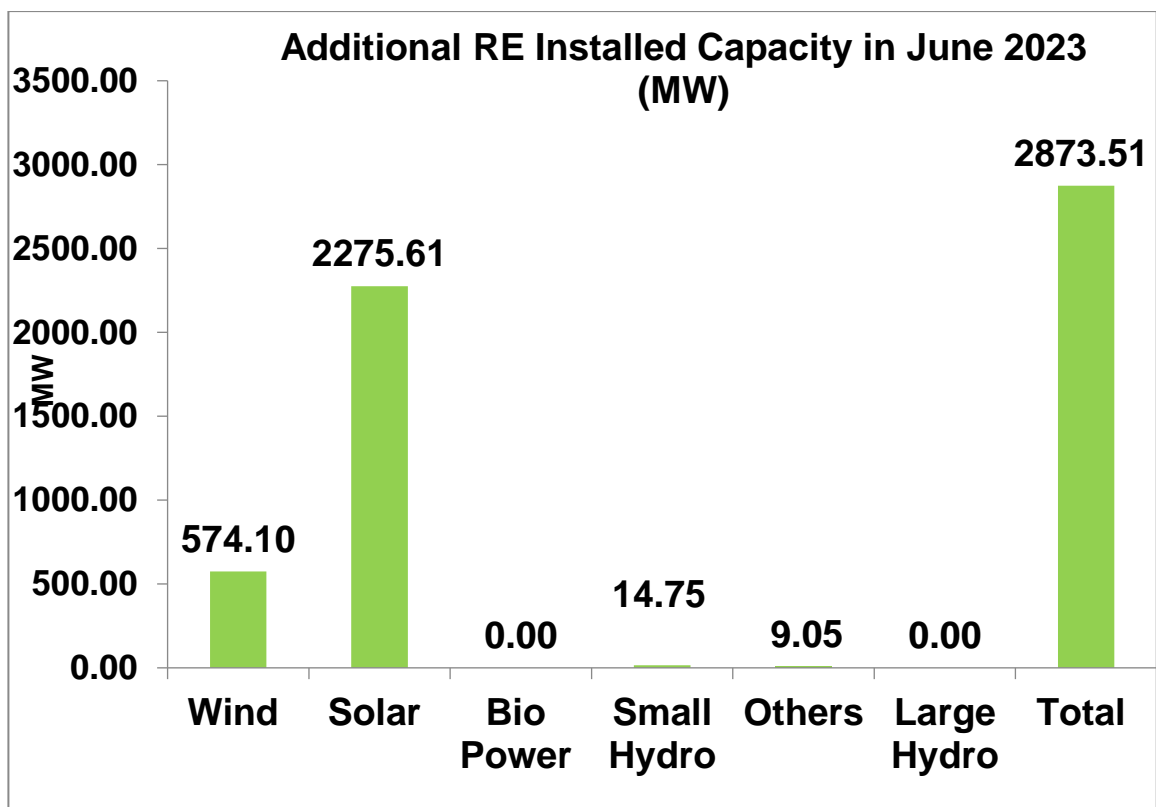


Figure 2: Source wise addition in RE Installed Capacity in June 23

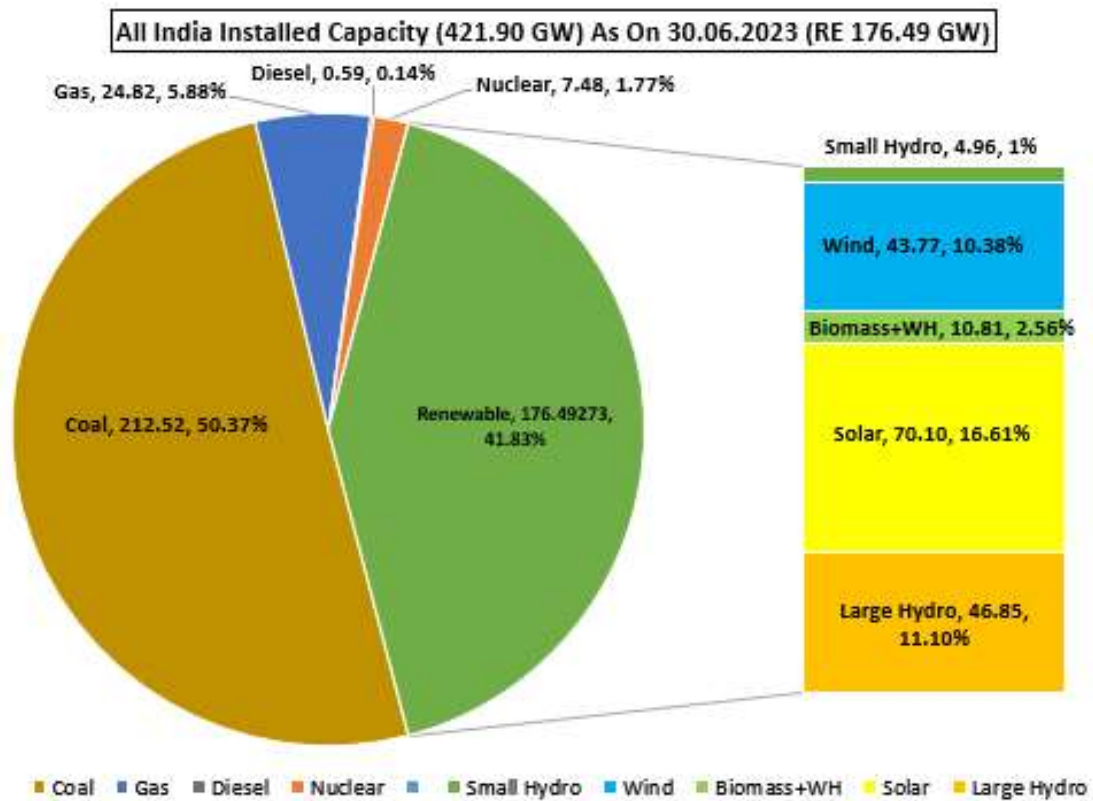


Figure 3: Installed Capacity in India as on 31.05.2023

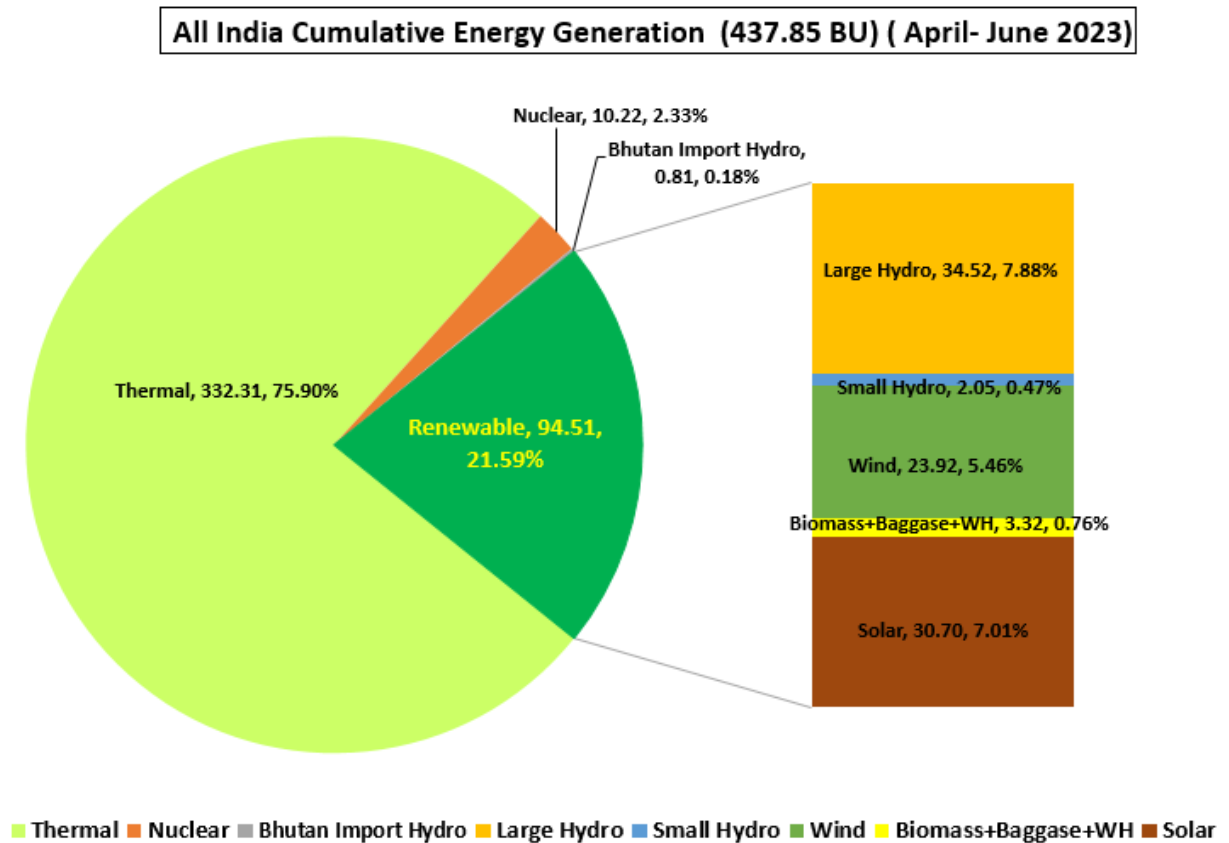


Figure 4: Cumulative Total Energy Generation in India and Share of RE for the year 2023-24

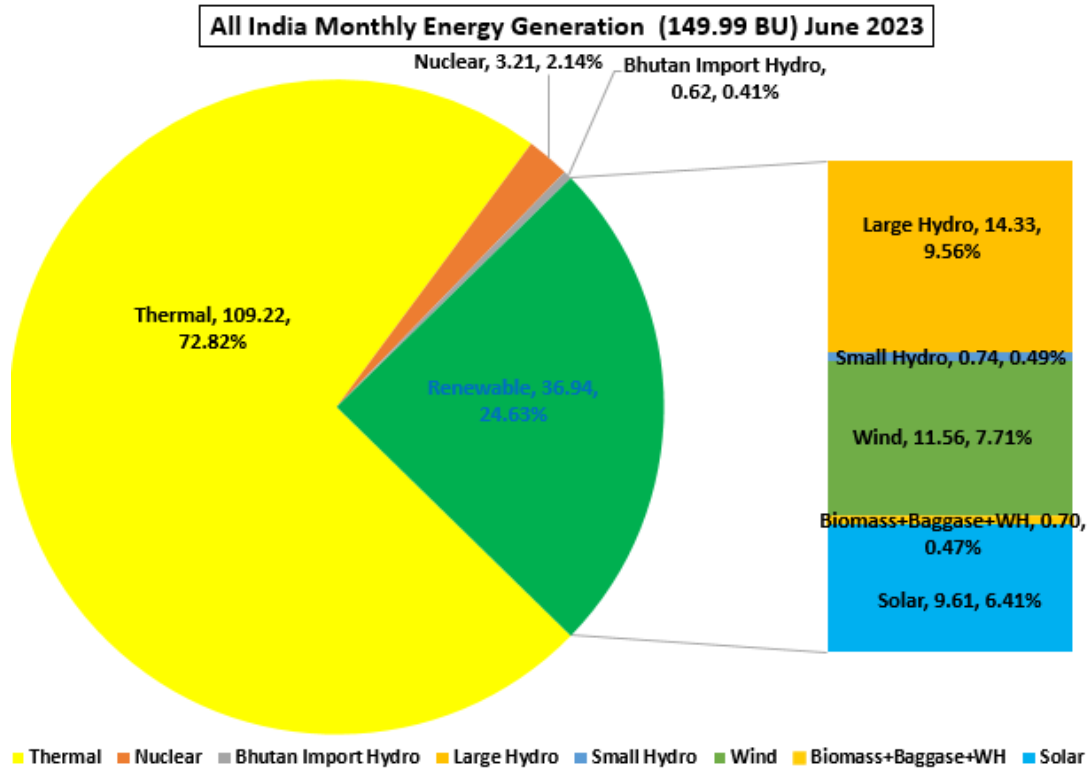


Figure 5: Total Energy Generation in India and Share of RE in the month of June-2023

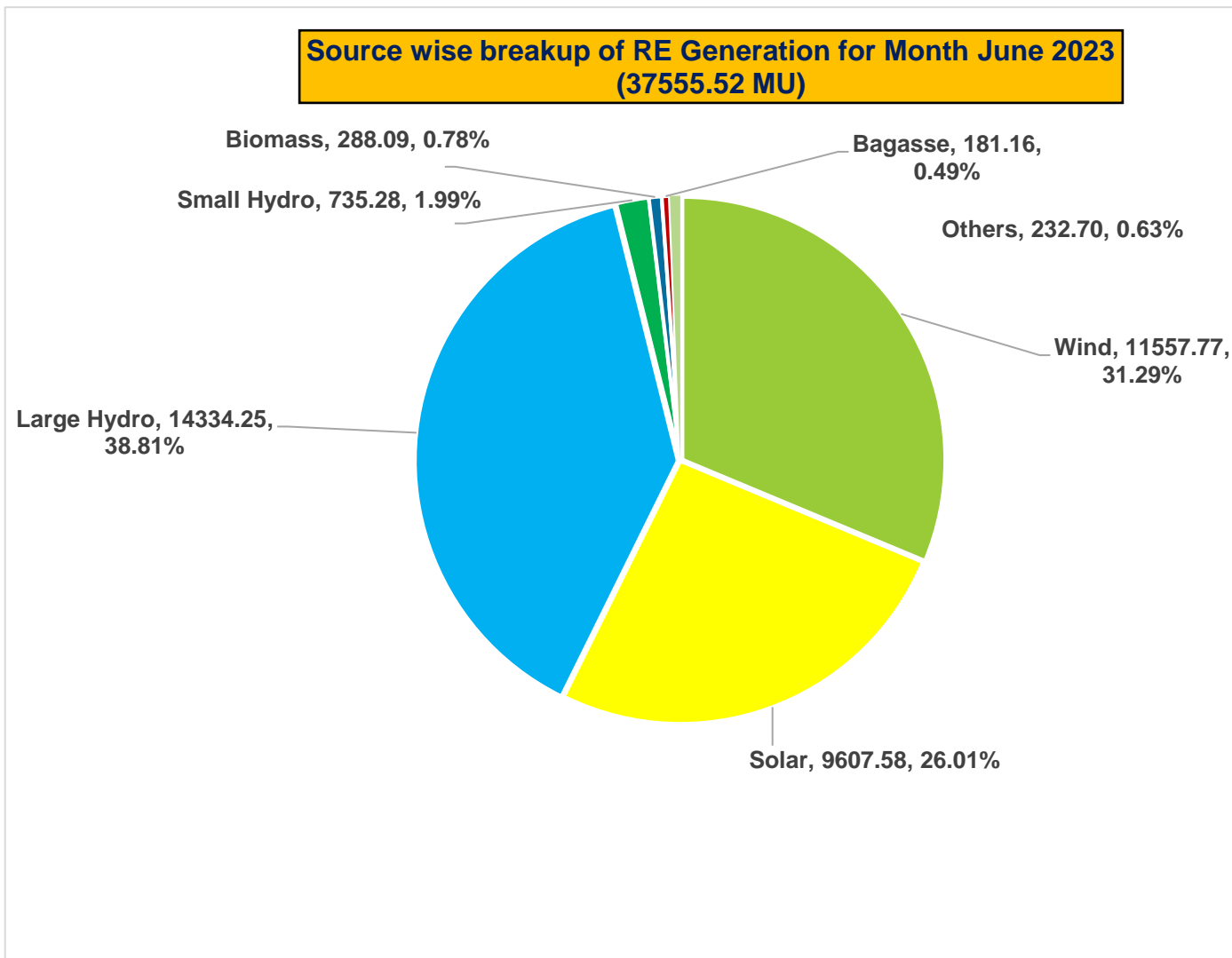


Figure 6: Source wise breakup of RE Generation in the month of June-2023

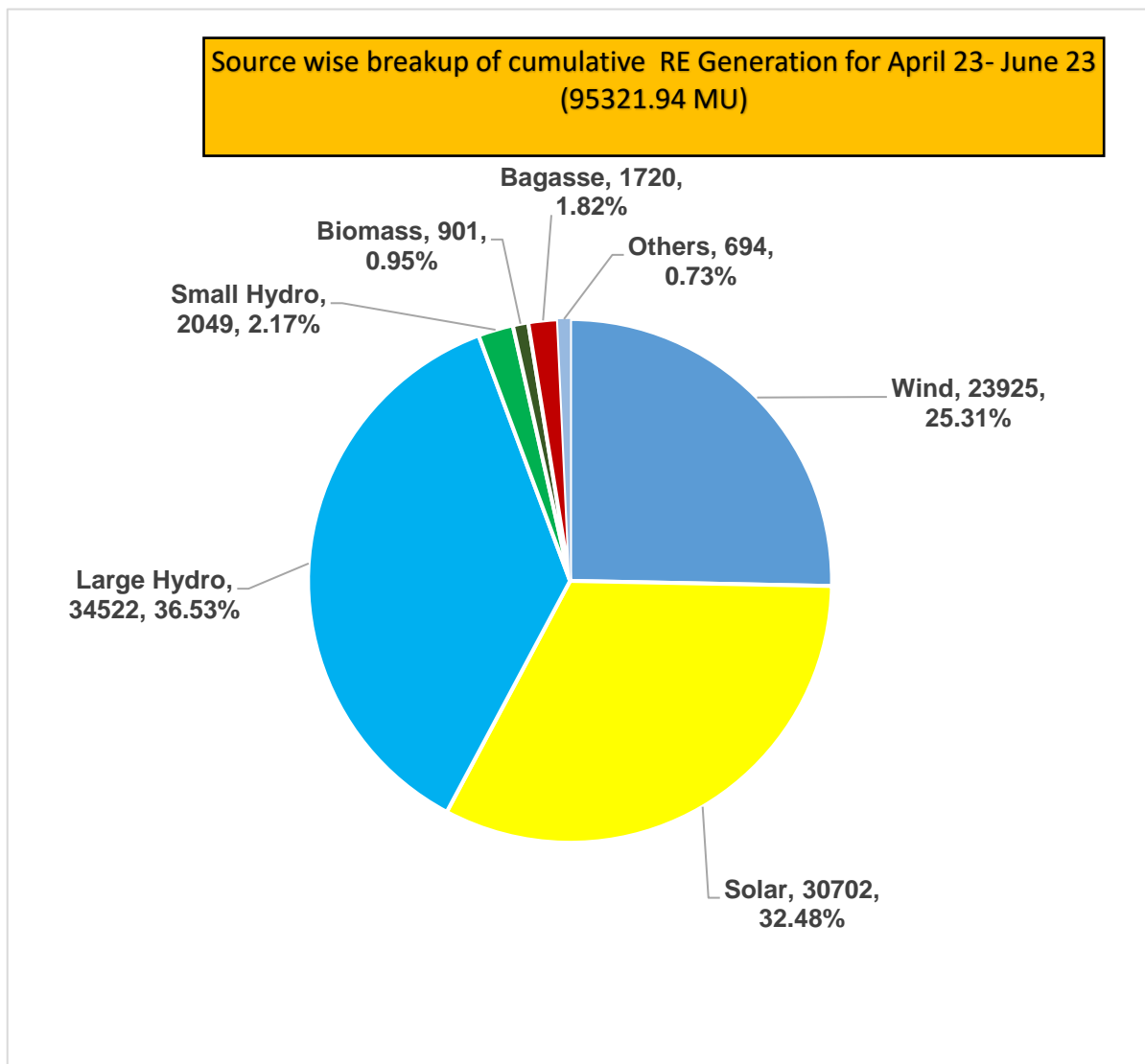


Figure 7: Source wise breakup of Cumulative RE Generation for the year 2023-24.

Summary of Renewable Energy Generation

Increased by 10.45 % as compared to June'22

Increased by 14.81 % as compared to May'23.

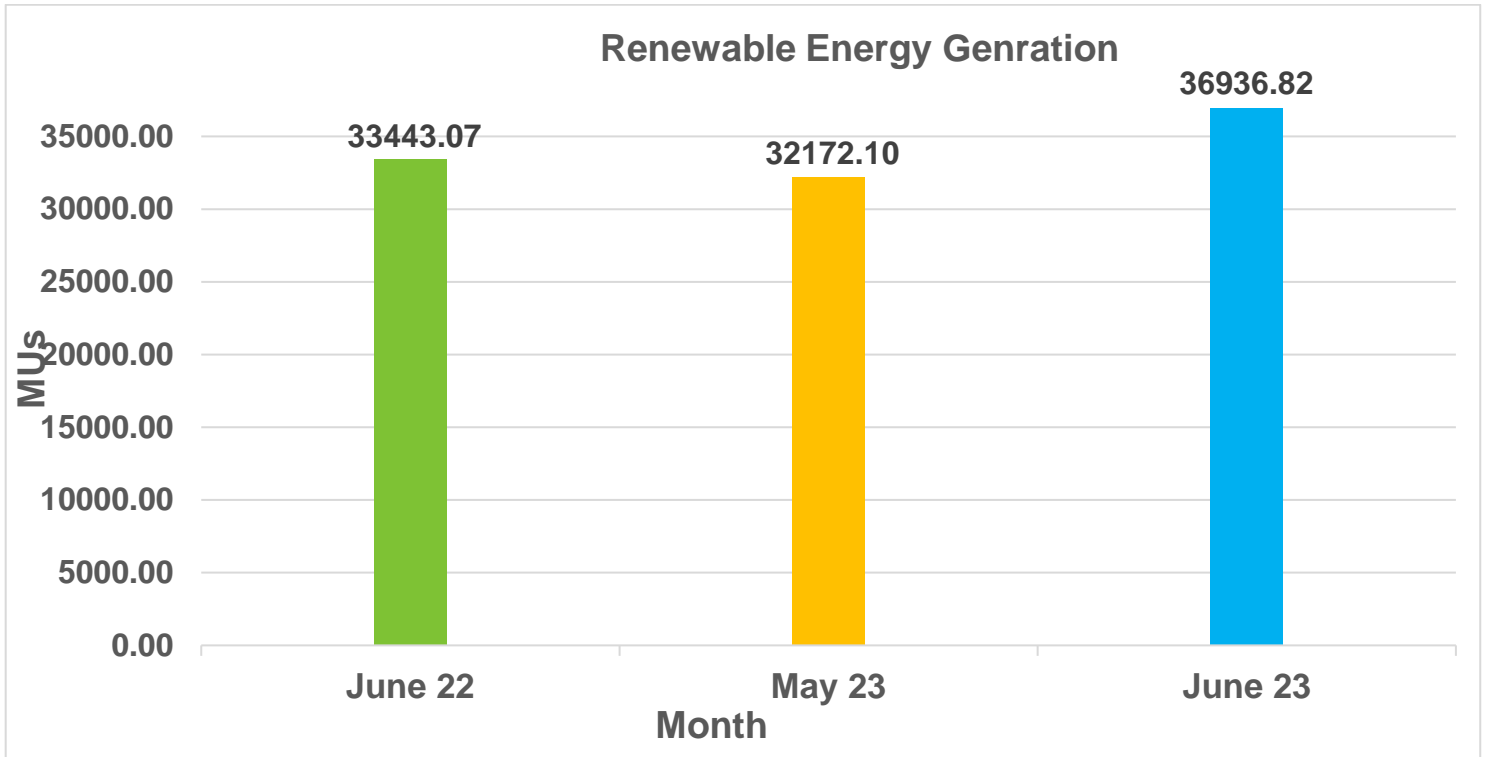


Figure 8: Renewable Energy Generation

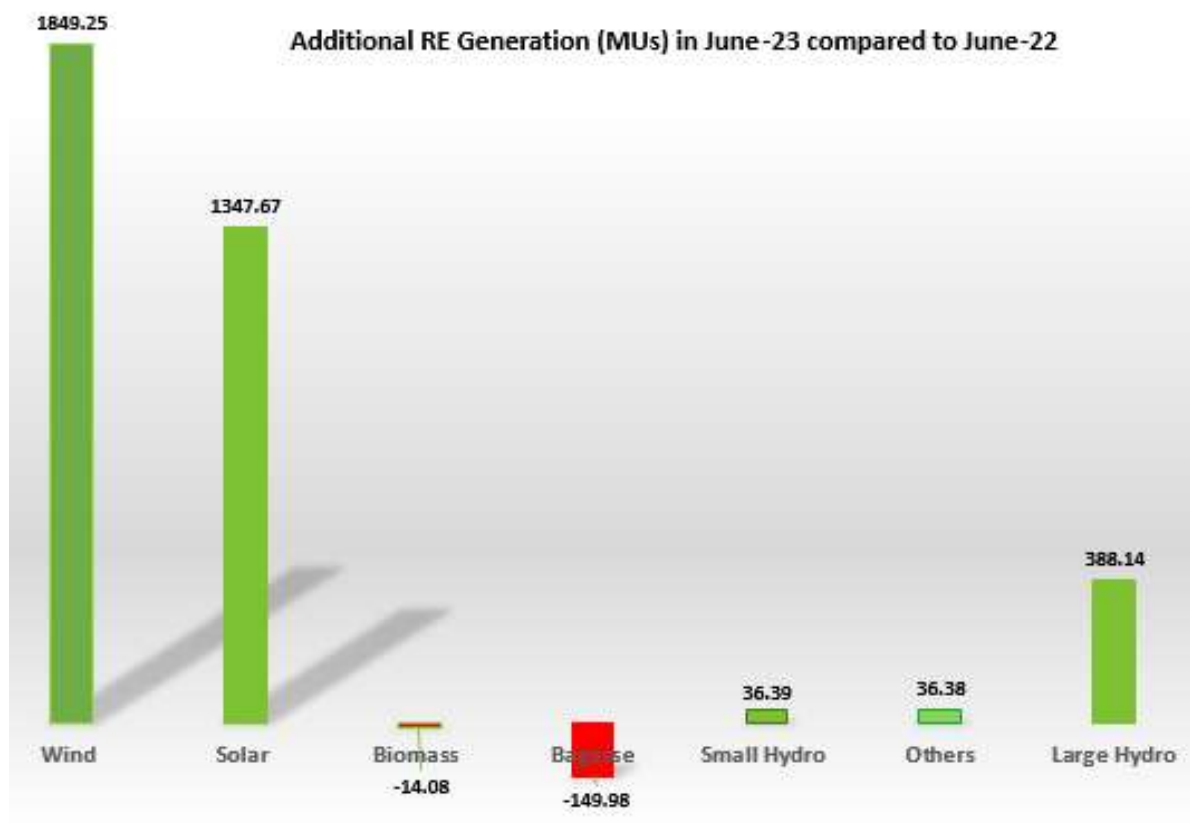


Figure 9: Additional RE Generation in June-23 as compared to June-22

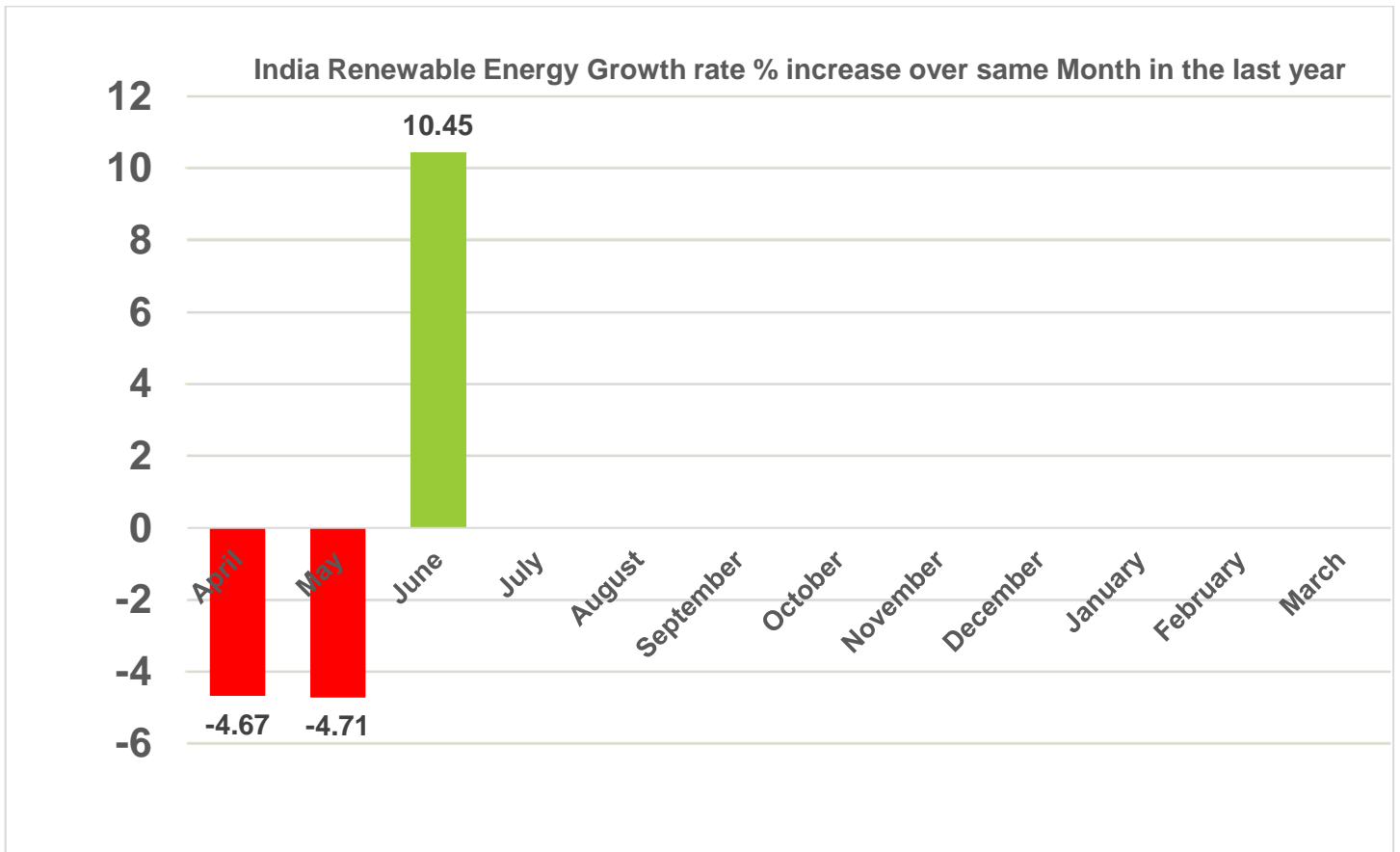


Figure 10: Month Wise % Growth of RE Generation in year 2023-24 w.r.t to previous year Same Month.

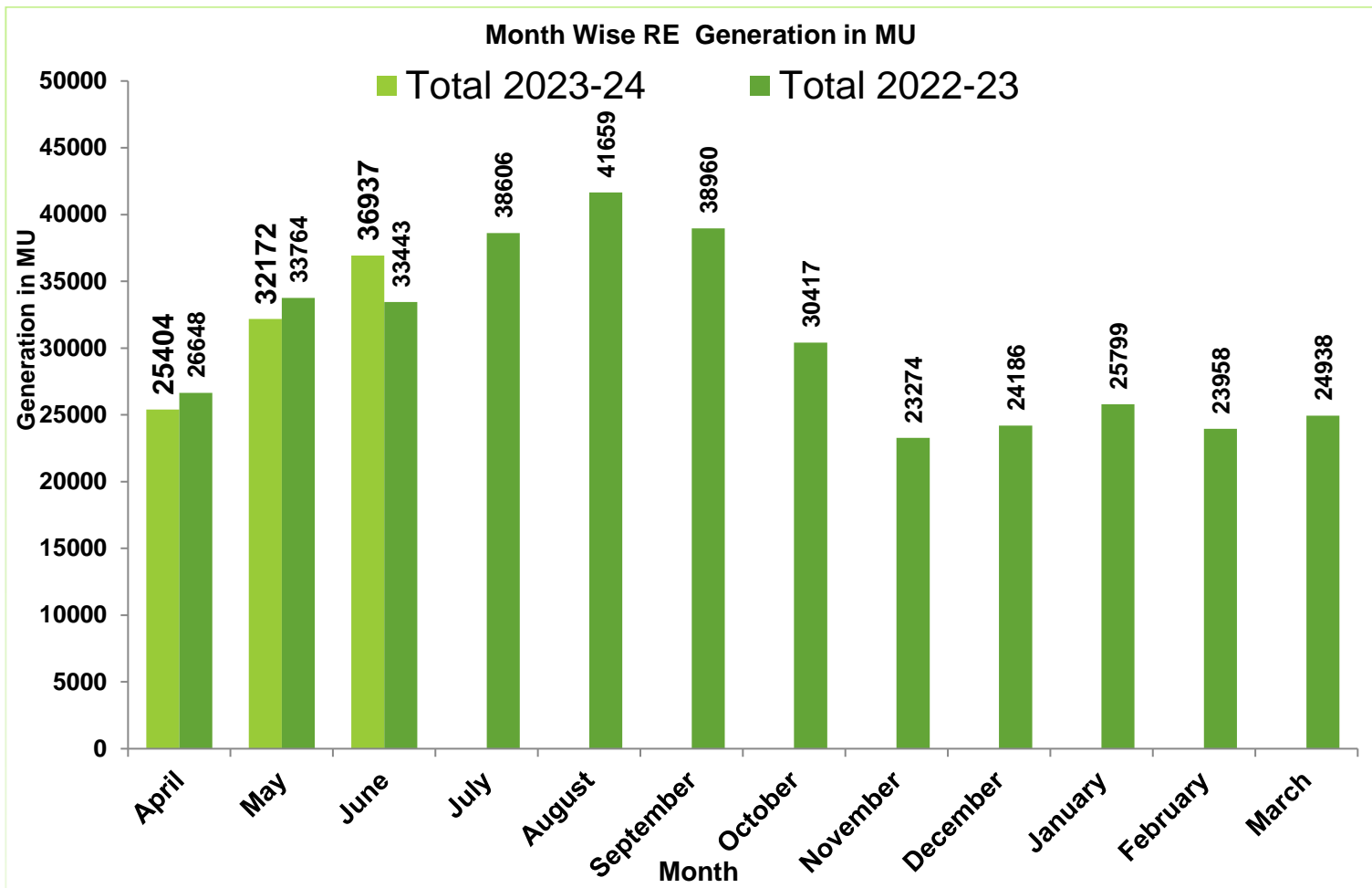


Figure 11: comparison of Month Wise RE Generation in year 2022-23 & in year 2023-24

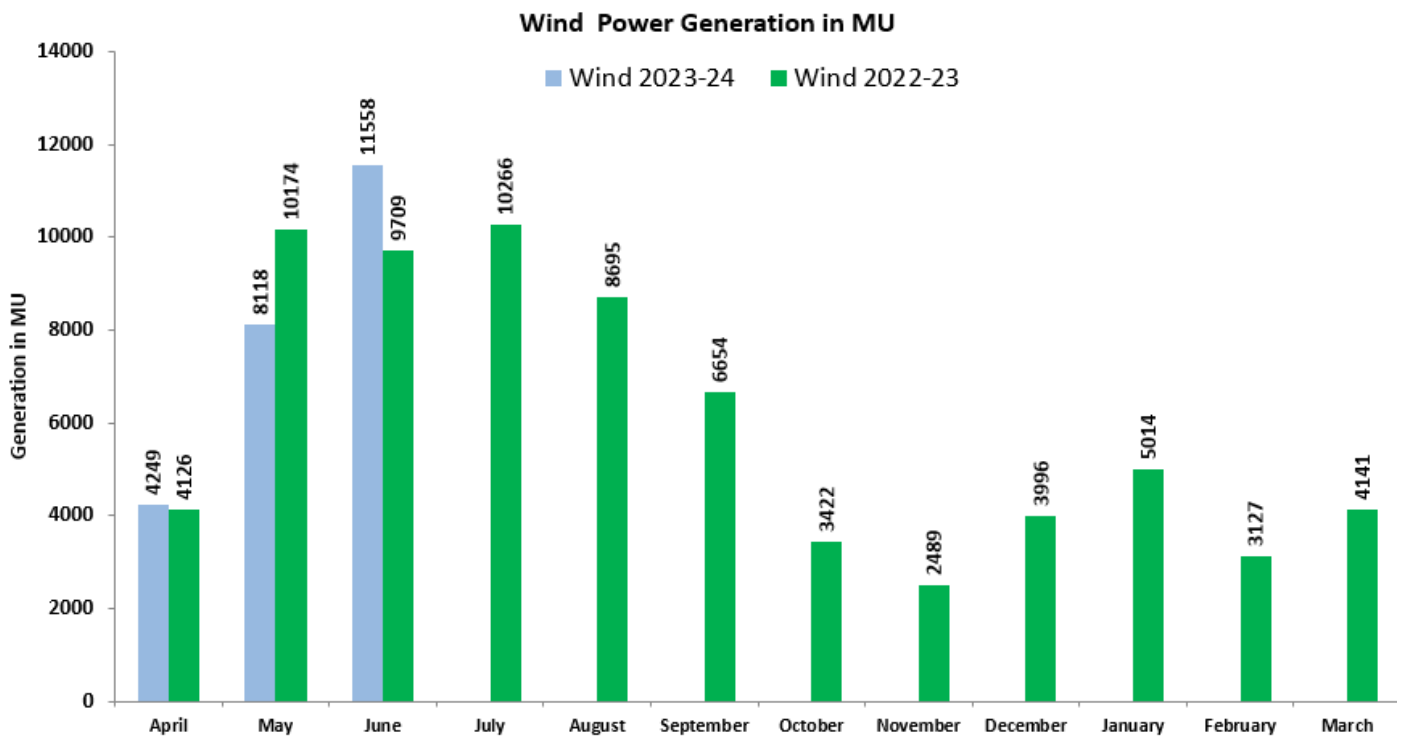


Figure 12: Month Wise Wind Power Generation for the year 2022-23 and year 2023-24.

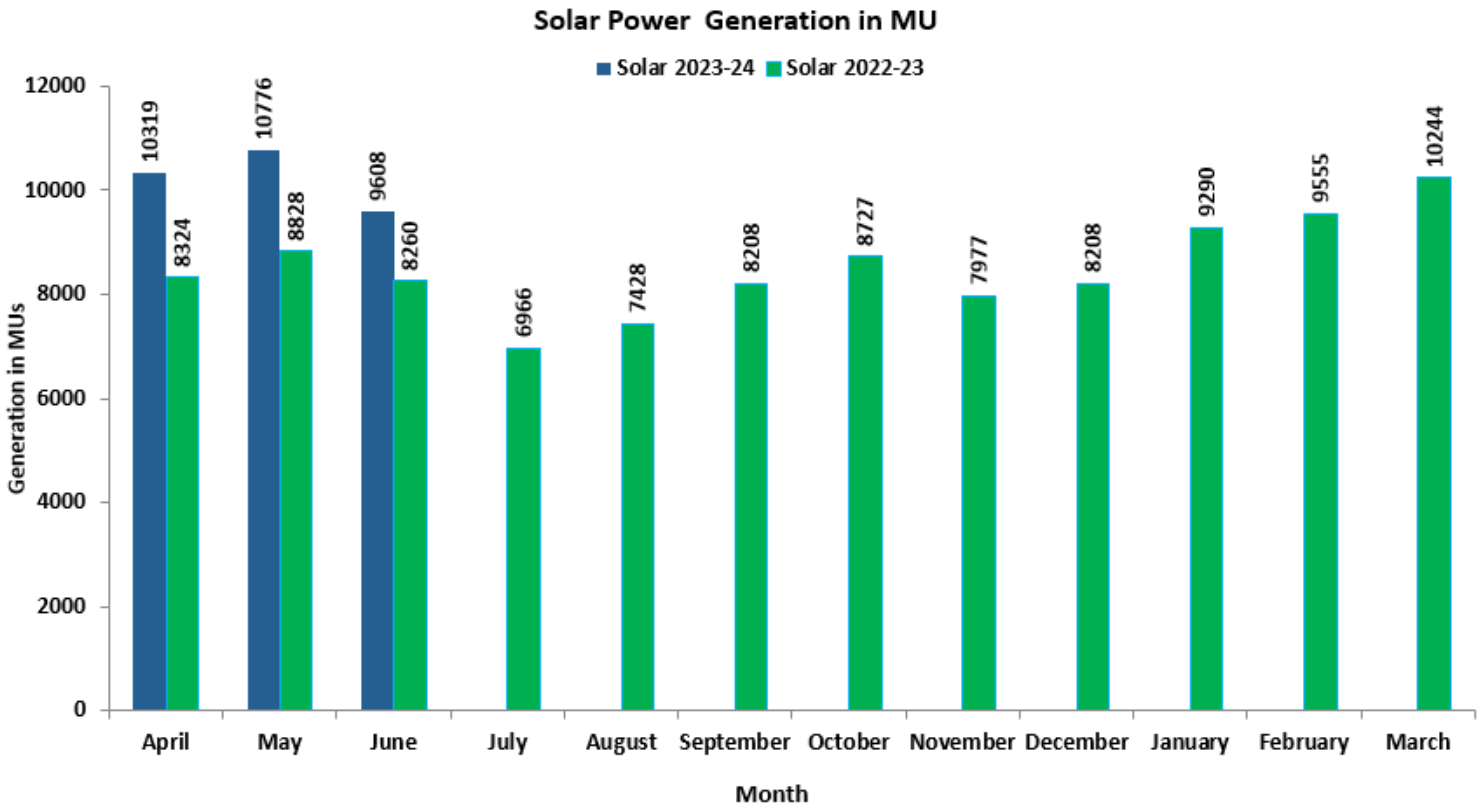


Figure 13: Month Wise Solar Power Generation for the year 2022-23 and year 2023-24.

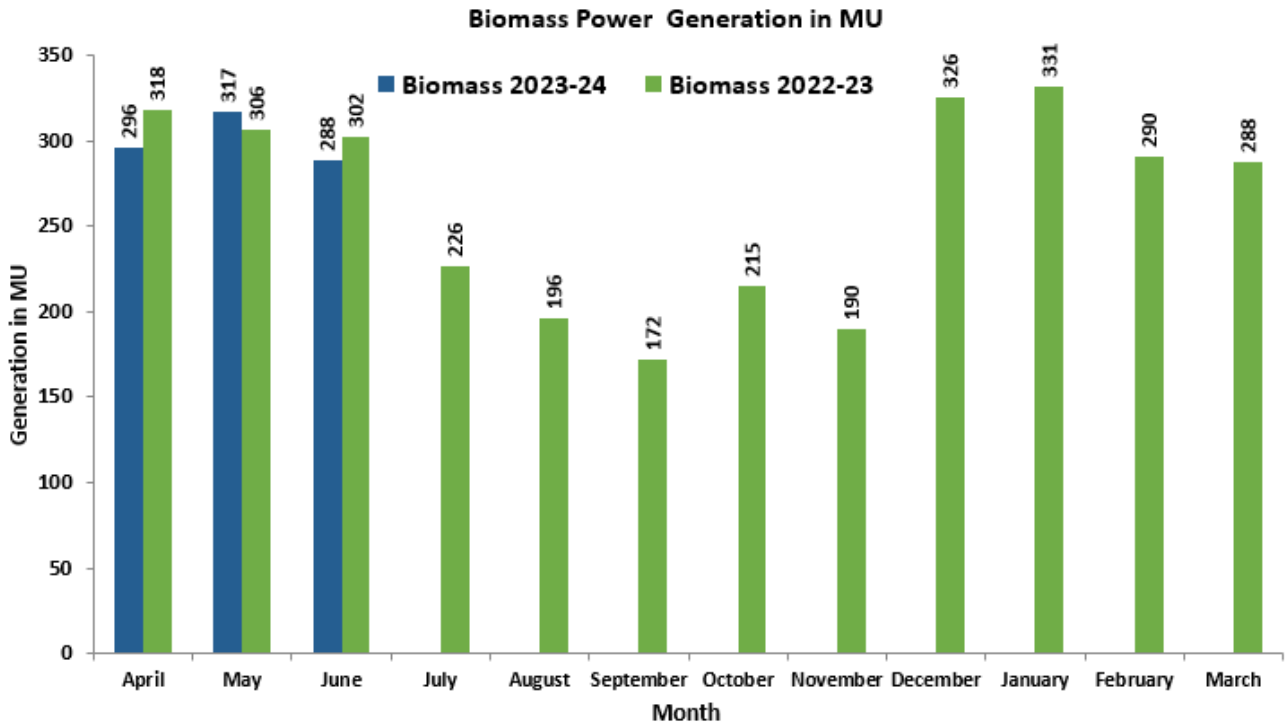


Figure 14: Month Wise Biomass Power Generation for the year 2022-23 and year 2023-24.

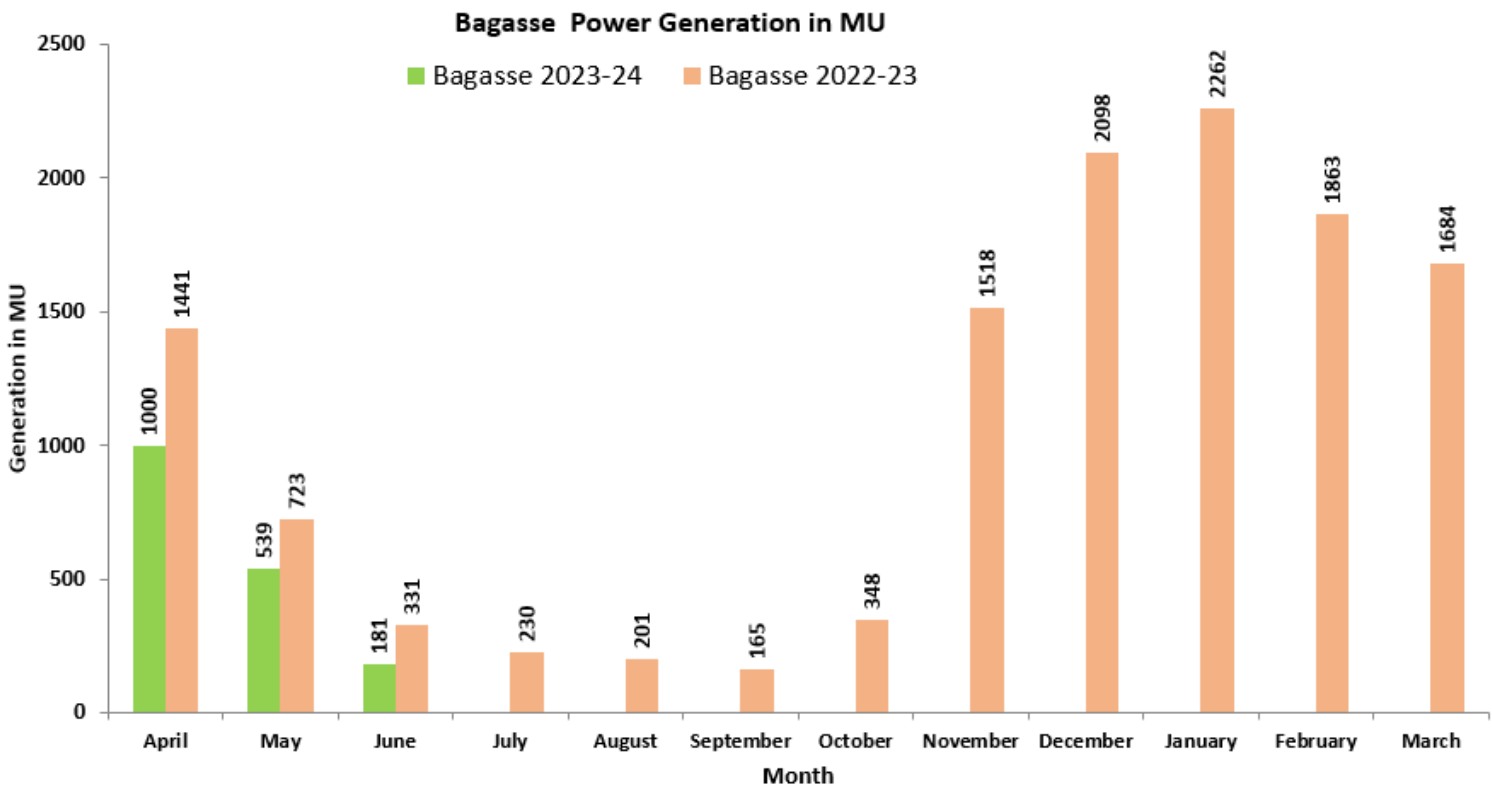


Figure 15: Month Wise Bagasse Power Generation for the year 2022-23 and year 2023-24.

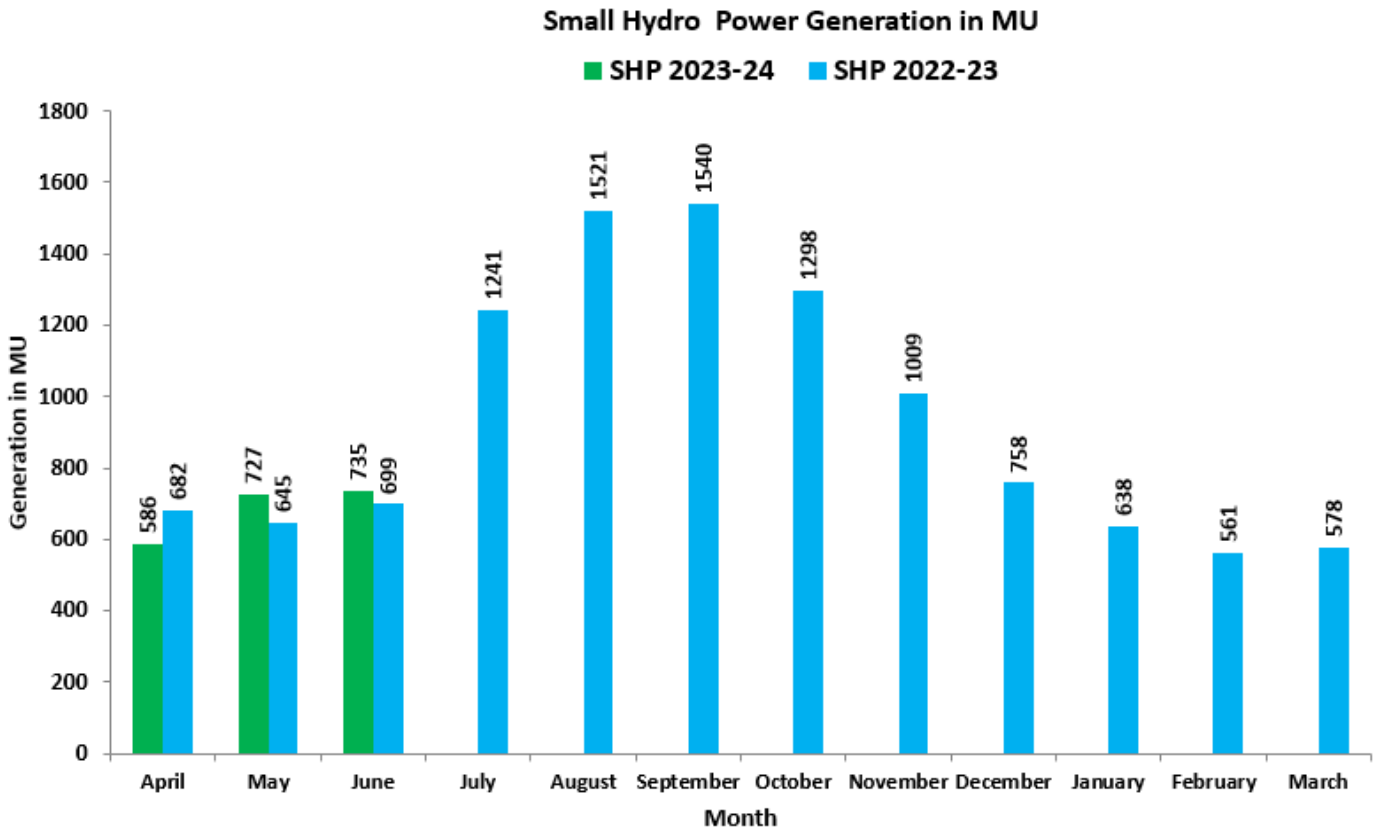


Figure 16: Month Wise Small Hydro Power Generation for the year 2022-23 and year 2023-24.

Large Hydro Power Generation MU

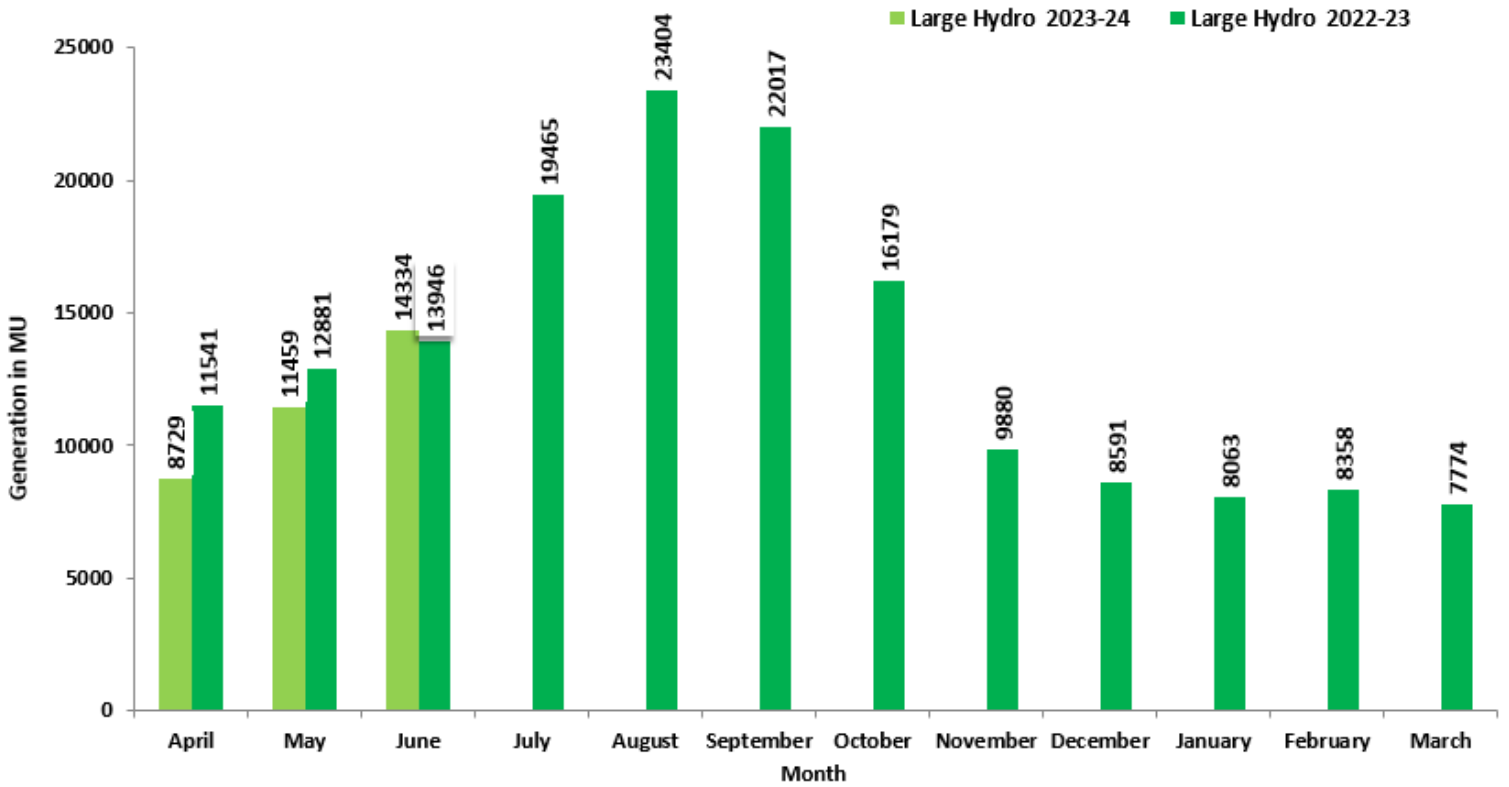


Figure 17: Month Wise Large Hydro Power Generation for the year 2022-23 and year 2023-24.

Power Generation from other RE sources in MU

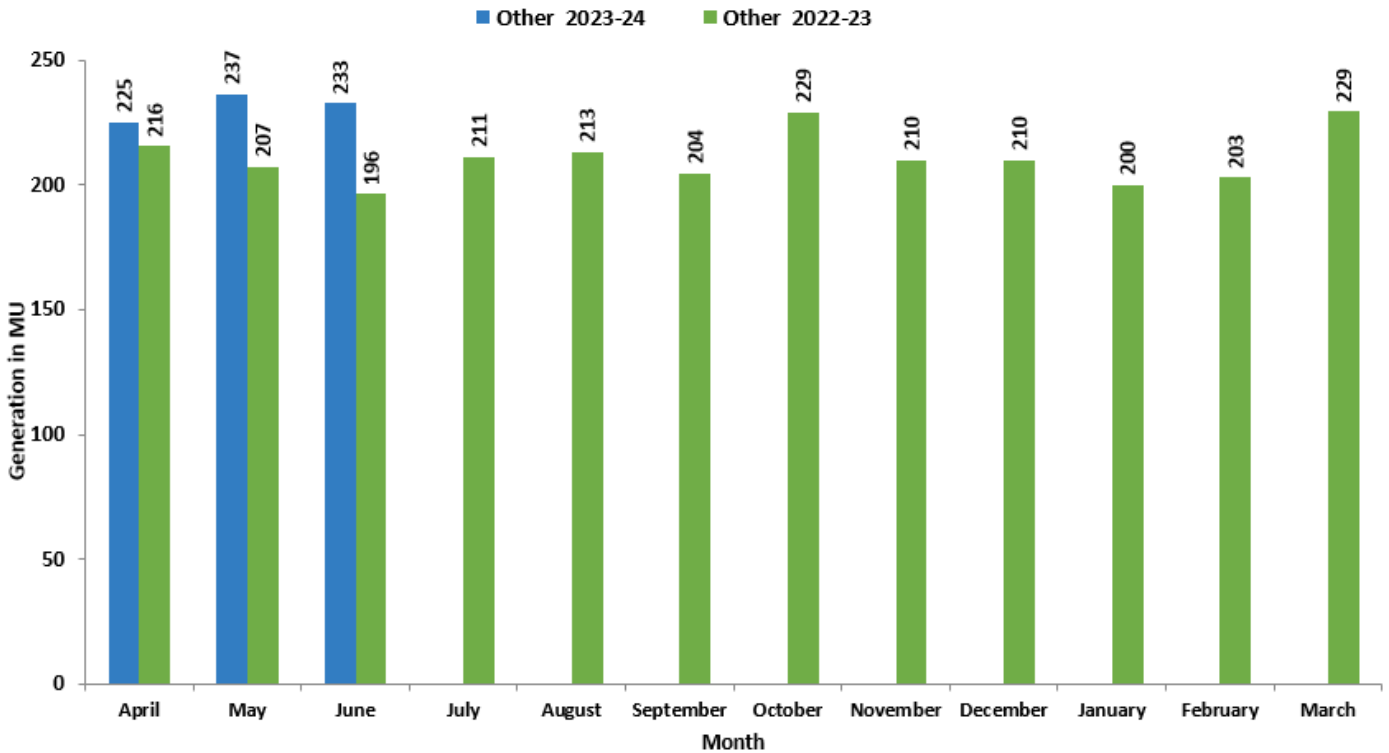


Figure 18: Month Wise Other RE (Waste Heat etc.) Power for the year 2022-23 and year 2023-24.

Year wise Generation of RE in MU

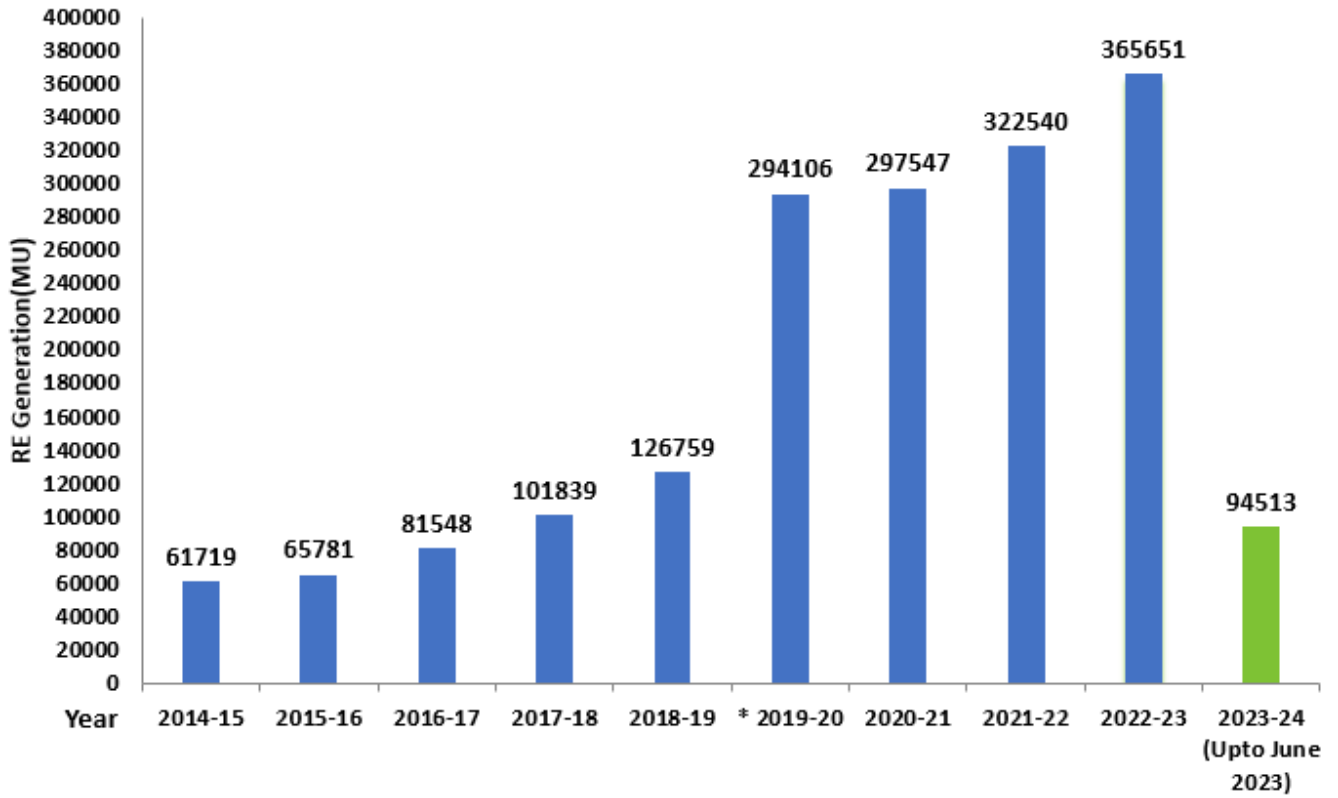


Figure 19: Year Wise RE Generation

(*) Note:- As per Ministry of Power's Order dated 8th March, 2019 large hydro power project (above 25MW) are also being considered as Renewable Energy Source.

All India Wind & Solar Power Daily Generation Report (June,2023)

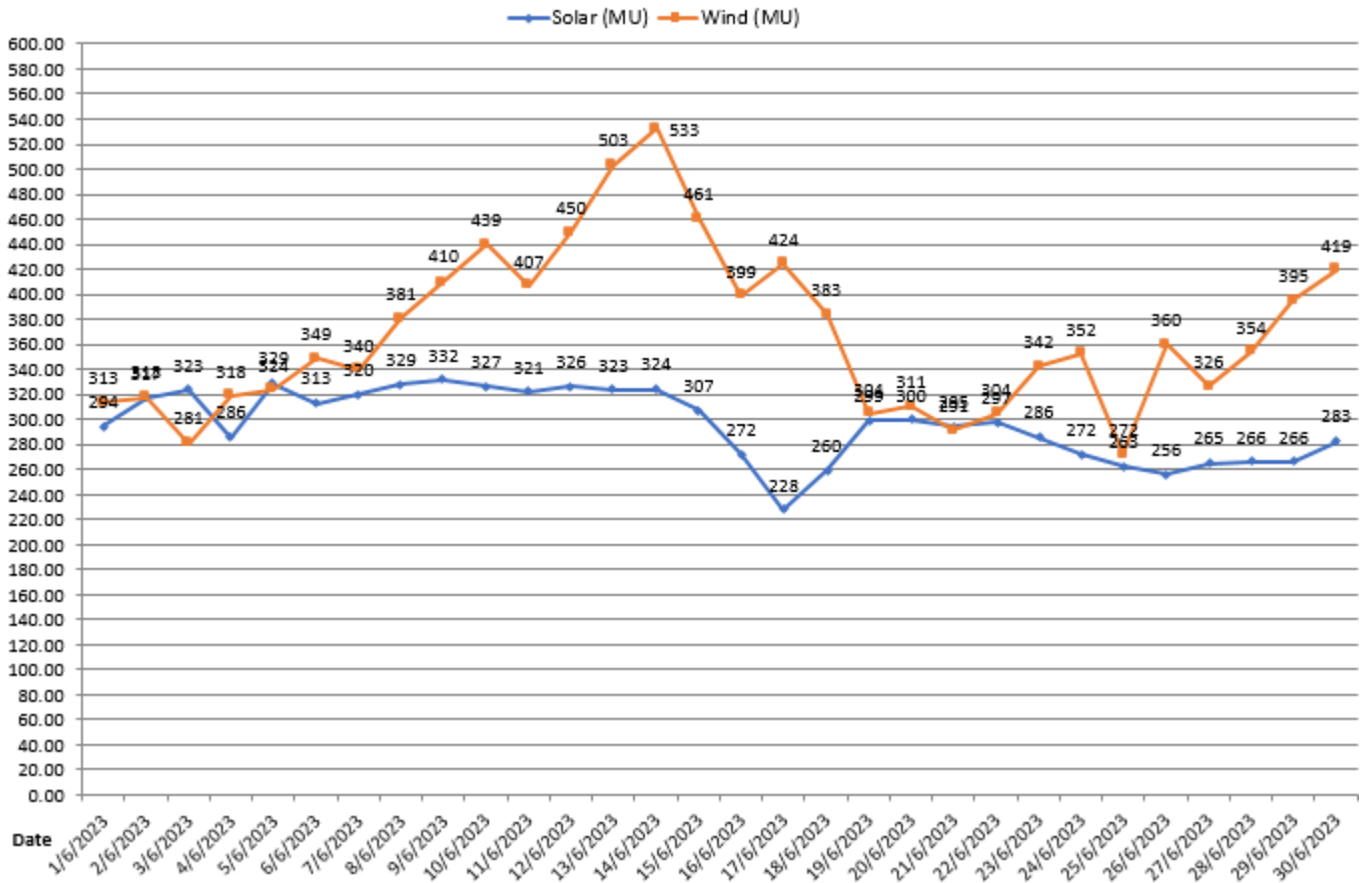


Figure 20: Daily solar and wind power generation trend in the month of June-2023

Summary of All India Total Renewable Energy (Excluding Large Hydro) Generation for the RE Capacity informed to CEA

Table 1 All India Summary of Renewable Energy Generation

Category	MNRE Installed Capacity (MW) (as on 30.06.2023)	Installed Capacity informed to CEA (MW) (as on 30.06.2023)	RE Generation (MU) June'2023	RE Generation (MU) June'2022	% of same Month Last Year	RE Generation (MU) April'2023-June'2023	RE Generation (MU) April'2022-June'2022	% of same period Last Year
पवन/Wind	43773.08	43524.71	11557.77	9708.52	119.05	23924.59	24009.02	99.65
सौर/Solar	70096.83	59151.07(*)	9607.58	8259.91	116.32	30702.41	25411.40	120.82
बायोमास/Biomass	10248.01	8245.29	288.09	302.17	95.34	900.74	925.84	97.29
बगास/Bagasse			181.16	331.14	54.71	1720.23	2495.45	68.93
लघु जल विद्युत्/Small Hydro	4959.05	4325.40	735.28	698.89	105.21	2048.82	2025.98	101.13
बृहत् जल विद्युत्/ Large Hydro(\$)	(#)	46850.17	14334.25	13946.11	102.78	34521.90	38367.99	89.98
अन्य/Others	315.84	384.66	232.70	196.32	118.53	694.34	619.10	112.15
कुल/Total	176242.98	162481.30	36936.82	33443.07	110.45	94513.03	93854.78	100.70

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

(#) Large Hydro Capacity is reported to CEA and same has been added to the Total.

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

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Unchahar Solar (NTPC)	Uttar Pradesh	Central	Solar	1.24
Dadri Solar (NTPC)	Uttar Pradesh	Central	Solar	0.56
Singrauli Solar (NTPC)	Uttar Pradesh	Central	Solar	1.72
Auraiya Solar (NTPC)	Uttar Pradesh	Central	Solar	6.52
Kolayat Solar (NTPC)	Rajasthan	Central	Solar	84.40
Nokhra Solar (NTPC)	Rajasthan	Central	Solar	58.26
Devikot Solar (NTPC)	Rajasthan	Central	Solar	47.10
ABC Renewable Energy Solar	Rajasthan	Private	Solar	68.23
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	Solar	51.42
Acme Heergharh Powertech Pvt Ltd	Rajasthan	Private	Solar	59.25
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	Solar	162.86
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Private	Solar	102.87
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	Solar	82.22
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	Solar	84.83
Adani Renewable Energy RJ Limited (RERJL)	Rajasthan	Private	Solar	41.17
Adani Jaisalmer One SEPL Solar	Rajasthan	Private	Solar	105.48
Adani SB Energy Four Pvt. Ltd.(SE4PL(Kilaj Solar))	Rajasthan	Private	Solar	10.71
M/S Adani Solar Energy Four PVT. LTD.L(Adani SEJ5PL)	Rajasthan	Private	Solar	40.86
Adani SB Energy Four Pvt. Ltd. (SERJ1PL)	Rajasthan	Private	Solar	48.50
Avaada Sunrays Energy Private Limited	Rajasthan	Private	Solar	71.64
Avaada RJHN Private Limited	Rajasthan	Private	Solar	48.77
Avaada Sunce Energy Private Limited	Rajasthan	Private	Solar	71.37
Avaada Sustainable RJ Project Private Ltd.	Rajasthan	Private	Solar	61.77
Ayana Renewable Power One Private Limited	Rajasthan	Private	Solar	66.27
Azure Power Forty One Private Limited	Rajasthan	Private	Solar	62.72
Azure Power Forty Three Private Ltd	Rajasthan	Private	Solar	127.25
Azure Power India Pvt Ltd	Rajasthan	Private	Solar	35.96
Azure Power Maple Pvt Ltd	Rajasthan	Private	Solar	49.66
Azure Power Thirty Four Private Ltd	Rajasthan	Private	Solar	24.56
Clean Solar Power (Jodhpur) Pvt Ltd	Rajasthan	Private	Solar	52.07
Clean Solar Power (Bhadla) Pvt Ltd.	Rajasthan	Private	Solar	65.33
Eden Renewable Cite Private Limited	Rajasthan	Private	Solar	66.23
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	Solar	11.21

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Mahindra Renewable Private Limited	Rajasthan	Private	Solar	53.36
Mega Surya Urja Pvt. Ltd	Rajasthan	Private	Solar	55.33
Nindan Solar Fatehgar	Rajasthan	Private	Solar	64.89
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Rajasthan	Private	Solar	63.18
Renew Solar Power Pvt Ltd	Rajasthan	Private	Solar	10.49
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	Solar	51.53
Renew Solar Urja Pvt Ltd	Rajasthan	Private	Solar	62.65
Renew Sun Bright Pvt Ltd	Rajasthan	Private	Solar	63.17
Renew Sun Waves Private Limited	Rajasthan	Private	Solar	63.30
Renew Surya Ravi Pvt Ltd	Rajasthan	Private	Solar	62.31
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	Solar	48.59
Tata Power Green Energy Limited	Rajasthan	Private	Solar	44.48
Tata Power Renewable Energy Ltd	Rajasthan	Private	Solar	37.54
Tata Power Saurya 1	Rajasthan	Private	Solar	15.27
Thar Surya1 Private Limited	Rajasthan	Private	Solar	50.38
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	Wind	138.43
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Private	Wind	28.86
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	Wind	20.56
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	Wind	21.21
Adani Jaisalmer One SEPL Wind	Rajasthan	Private	Wind	26.25
Northern Region				2854.76
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	Solar	43.64
Mahindra Solar (Badwar)	Madhya Pradesh	Private	Solar	44.78
Electro Solaire Private Limited (ESPL RSP Solar)	Gujarat	Private	Solar	39.01
Tata Power Renewable Energy Limited (TPREL RSP Solar)	Gujarat	Private	Solar	19.67
Gujarat Industries Power Company Limited (GIPCL RSP Solar)	Gujarat	Private	Solar	19.88
Powerica Wind	Gujarat	Private	Solar	18.57
NTPC Kawas	Gujarat	Central	Solar	7.71
Gujarat State Electricity Corporation Limited (GSECL)	Gujarat	Private	Solar	12.63
Athena Solar	Gujarat	Private	Solar	45.42
Gandhar_Solar	Gujarat	Private	Solar	2.8
Adani Wind Energy Kutchn Four Limited (AWEK4L)	Gujarat	Private	Wind	33.72
Adani Wind Energy Kutchn One Limited Ratadiya (AWEKL1L)	Gujarat	Private	Wind	182.43
Adani Wind Energy MP One Private Limited (AWEMP1PL)	Gujarat	Private	Wind	117.3
Alfnar Wind (Nanavalka)	Gujarat	Private	Wind	83.85

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Continuum Power Trading (TN) Private Limited (CPTTNPL)	Gujarat	Private	Wind	0
Green Infra Wind Energy Limited SECI-II (GIWEL-II Wind (Vadva))	Gujarat	Private	Wind	61.83
Green Infra Wind Energy Limited SECI-III (GIWEL-III Wind (Naranpar))	Gujarat	Private	Wind	92.74
Inox Green Energy Services Limited (IWISL Wind (Dayapar))	Gujarat	Private	Wind	79.56
Ostro Energy Private Limited (OEPL)	Gujarat	Private	Wind	0
Ostro Kutch Wind Private Limited (OKWPL)	Gujarat	Private	Wind	89.59
Renew Wind Energy (AP2) Private Limited (Ghadsisa)	Gujarat	Private	Wind	89.19
Avikiran Solar India Private Limited (ASIPL), Baranda	Gujarat	Private	Wind	53.03
Renew Wind (Bhuvad)	Gujarat	Private	Wind	0
SITAC	Gujarat	Private	Wind	106.24
SRIJAN	Gujarat	Private	Wind	47.54
Western Region				1291.13
TUTICORIN				
Beetam(Tuticorin)	Tamil Nadu	Private	Wind	88.06
GRTJIPL	Tamil Nadu	Private	Solar	29.10
Mytra	Tamil Nadu	Private	Wind	84.45
Orange	Tamil Nadu	Private	Wind	71.34
Green Infra	Tamil Nadu	Private	Wind	90.72
Hiriyur Ostro	Tamil Nadu	Private	Wind	102.91
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	Wind	113.05
JSW Renew Energy Two Limited (Tuticorin)	Tamil Nadu	Private	Wind	33.05
NTPC Ettayapuram	Tamil Nadu	Central	Solar	41.21
Rstps Floating Solar (Ramangundam)	Telangana	Central	Solar	17.70
Simhadri Floating Solar	Andhra Pradesh	Central	Solar	4.19
NP-KUNTA				
Adani Seven	Andhra Pradesh	Private	Solar	50.73
Athena Biwadi	Andhra Pradesh	Private	Solar	9.69
Athena Hisar	Andhra Pradesh	Private	Solar	9.35
Athena Karnal	Andhra Pradesh	Private	Solar	9.44
Ayana	Andhra Pradesh	Private	Solar	49.92
Azure	Andhra Pradesh	Private	Solar	7.88
IGS1 (Previously FRV)	Andhra Pradesh	Private	Solar	9.23
IGS2 (Previously FRV2)	Andhra Pradesh	Private	Solar	9.89
NTPC	Andhra Pradesh	Private	Solar	32.33

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Sprng Agnitra	Andhra Pradesh	Private	Solar	49.11
Tata	Andhra Pradesh	Private	Solar	16.75
PAVAGADA				
All Adyah	Karnataka	Private	Solar	56.75
Amplus	Karnataka	Private	Solar	9.22
Avaada	Karnataka	Private	Solar	27.42
Avaada Solarise	Karnataka	Private	Solar	26.70
Azure Power Earth	Karnataka	Private	Solar	19.53
Fortum Finsurya	Karnataka	Private	Solar	16.12
Fortum	Karnataka	Private	Solar	46.08
Karnataka Renewable Energy Development Limited (Kredl)	Karnataka	Private	Solar	8.52
Parampujya	Karnataka	Private	Solar	27.86
Renew TN2	Karnataka	Private	Solar	9.29
SBG Energy	Karnataka	Private	Solar	0.00
Tata Renewables	Karnataka	Private	Solar	72.93
Yarrow	Karnataka	Private	Solar	9.23
Southern Region				1259.75
All India Total				5405.64

Source: - 1.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) June'2023	RE Generation (MU) June'2022	RE Generation (MU) April 2023- June 2023	RE Generation (MU) April 2022- June 2022
NTPC							
Faridabad Solar	Haryana	5.00	Solar	0.55	0.60	1.82	1.86
Bhadla Solar	Rajasthan	260.00	Solar	35.62	38.03	112.28	116.4
Jetsar Solar	Rajasthan	160.00	Solar	32.99	31.88	102.17	99.6
Fatehgarh Solar	Rajasthan	296.00	Solar	57.91	53.89	195.54	151.94
Devikot Solar	Rajasthan	240.00	Solar	47.65	0.00	149.84	0.00
Nokhra Solar	Rajasthan	300.00	Solar	58.48	0.00	181.41	0.00
Dadri Solar	Uttar Pradesh	5.00	Solar	0.56	0.61	1.78	1.8
Unchahar Solar	Uttar Pradesh	10.00	Solar	1.26	1.21	4.02	3.8
Singrauli Solar	Uttar Pradesh	15.00	Solar	1.58	1.76	5.54	5.5
Auraiya Solar	Uttar Pradesh	40.00	Solar	6.52	3.07	20.45	9.6
Small Hydro Singrauli	Uttar Pradesh	8.00	Small Hydro	3.33	2.23	10.72	7.6
Rojmal	Gujarat	50.00	Wind	12.63	10.50	31.55	38.5
Rajgarh_Solar	Madhya Pradesh	50.00	Solar	5.74	6.24	19.16	21.2
Mandsaur	Madhya Pradesh	250.00	Solar	29.17	33.03	100.31	110.1
Solapur	Maharashtra	10.00	Solar	1.63	0.00	5.02	0.0
Anantapuram	Andhra Pradesh	250.00	Solar	23.88	32.37	96.28	99.6
Ramagundam	Telangana	110.00	Solar	18.85	13.33	58.94	34.9
Andaman Nicobar	Andaman Nicobar	5.00	Solar	0.76	0.47	1.50	1.4
Talchar_Solar	Orissa	10.00	Solar	1.18	1.10	3.45	3.7
Solar_Bilhaur	Uttar Pradesh	225.00	Solar	39.35	44.89	129.31	143.4
Simhadri Floating Project	Andhra Pradesh	25.00	Solar	4.38	6.85	13.83	13.6
Kayamkulam	Kerala	92.00	Solar	14.95	6.74	53.36	17.8
Kawas	Gujarat	56.00	Solar	8.12	3.75	28.91	5.3
Gandhar	Gujarat	10.00	Solar	2.98	0.00	8.21	0.0
Shambu ki Burj-I	Rajasthan	250.00	Solar	49.90	0.00	163.67	0.0
Shambu ki Burj-II	Rajasthan	150.00	Solar	34.32	0.00	103.49	0.0
Ettayapuram	Tamil Nadu	230.00	Solar	39.97	0.00	120.74	0.0
Total NTPC		3112.00		534.26	292.55	1723.30	887.70

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) June'2023	RE Generation (MU) June'2022	RE Generation (MU) April 2023- June 2023	RE Generation (MU) April 2022- June 2022
THDC							
Patan Wind Power Project	Gujarat	50.00	Wind	9.88	10.12	26.34	30.5
Devbhumi Dwarka Wind Power Project	Gujarat	63.00	Wind	12.37	14.35	34.16	44.71
Solar Kasaragod	Kerala	50.00	Solar	6.62	6.34	25.55	20.718
Rishikesh office Premises	Uttar Pradesh	0.50	Solar	0.05	0.05	0.16	0.157
Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24.00	Small Hydro	0.00	0.00	9.07	9.62
Total THDC		187.50		28.92	30.86	95.28	105.71
NHPC							
Wind Power Project	Rajasthan	50.00	Wind	9.07	14.46	23.06	34.52
Solar Power Project	Tamilnadu	50.00	Solar	8.16	7.72	25.19	24.09
Total NHPC		100.00		17.23	22.18	48.25	58.61
ONGC							
Wind, Bhuj	Gujarat	51.00	Wind	10.85	11.80	15.87	31.06
Wind, Jaisalmer	Rajasthan	102.00	Wind	17.59	25.10	44.79	61.59
Solar, Goa	Goa	1.00	Solar	0.03	0.09	0.18	0.34
Solar, Hazira	Gujarat	10.00	Solar	0.00	1.23	1.54	4.28
Solar, Hazira	Gujarat	5.00	Solar	0.00	0.00	0.72	0.00
Solar, Ankleshwar	Gujarat	5.00	Solar	0.71	0.75	1.53	2.52
Solar,Rajahmundry	Andhra Pradesh	1.00	Solar	0.00	0.08	0.73	0.27
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.03	0.11	0.16	0.34
Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.56	0.58	2.15	1.94
Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.00	0.42	0.48	1.45
Solar, Assam (RTS)	Assam	1.65	Solar	0.00	0.11	0.15	0.41
Solar, Uttarkhand (RTS)	Uttarkhand	1.24	Solar	0.00	0.13	0.15	0.43
Solar, Agartala asset	Tripura	0.25	Solar	0.00	0.02	0.02	0.06
Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.09	0.11	0.09
Solar, Cauvery Assest Karaikal	Maharashtra	0.27	Solar	0.00	0.01	0.01	0.02
Solar,DDU Bhawan, (Under Maintenance)	Goa	0.30	Solar	0.00	0.04	0.04	0.06
ONGC Colony Noida	Uttar Pradesh	0.06	Solar	0.00	0.00	0.01	0.00
ONCG Jodhpur	Rajasthan	0.16	Solar	0.00	0.00	0.03	0.00
ONCG Jaisalmer	Rajasthan	0.16	Solar	0.00	0.00	0.00	0.00

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) June'2023	RE Generation (MU) June'2022	RE Generation (MU) April 2023- June 2023	RE Generation (MU) April 2022- June 2022
Total ONGC		189.30		29.77	40.55	68.66	104.86
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	9.71	8.91	16.87	21.57
Sadla Wind Power	Gujarat	50.00	Wind	15.04	15.10	36.22	40.34
Charanka Solar Power	Gujarat	5.60	Solar	0.64	0.78	2.34	2.39
Wadhwa Solar Power Project	Gujarat	1.00	Solar	0.12	0.15	0.37	0.29
Parasan Solar Power	Gujarat	75.00	Solar	13.31	0.00	45.23	0.00
Total SJVN		179.20		38.81	24.93	101.02	64.59
Oil India Ltd							
Oil India Ltd	Rajasthan	14.00	Solar	2.10	2.21	6.54	6.72
Oil India Ltd	Rajasthan	67.60	Wind	7.36	14.68	18.98	34.03
Oil India Ltd	Gujarat	43.30	Wind	10.72	9.99	29.02	31.28
Oil India Ltd	Madhya Pradesh	63.20	Wind	14.02	13.35	32.64	38.38
Total Oil India Ltd		188.10		34.20	40.23	87.18	110.41
NEEPCO							
NEEPCO	Tripura	5.00	Solar	0.40	0.37	0.94	1.49
NEEPCO	Assam	25.00	Small Hydro	16.89	0.00	16.89	0.00
NEEPCO Total		30.00		17.29	0.37	17.83	1.49
DVC							
DVC	West Bengal	0.08	Solar	0.01	0.01	0.02	0.03
DVC	Jharkhand	4.00	Small Hydro	0.00	0.00	0.00	0.00
Total DVC		4.08		0.01	0.01	0.02	0.03
All India Total		3990.26		700.50	451.70	2141.56	1333.42

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 June 2023					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Northern Region					
ABC RENEWABLE ENERGY	Solar	67.58	68.23	0.65	0.96
Acme Heergharh Powertech Pvt Ltd	Solar	55.52	59.25	3.73	6.72
Acme Chittorgarh Energy Pvt Ltd.	Solar	50.34	51.42	1.08	2.15
Adani Hybrid Energy Jaisalmer One Limited	Solar	114.58	112.86	-1.72	-1.50
Adani Hybrid Energy Jaisalmer Four Limited	Solar	291.39	301.29	9.90	3.40
Adani Hybrid Energy Jaisalmer Three Limited	Solar	102.18	102.78	0.60	0.59
Adani Hybrid Energy Jaisalmer Two Limited	Solar	101.13	106.04	4.91	4.86
Adani Renewable Energy RJ Limited (RERJL)	Solar	41.20	41.17	-0.03	-0.07
Adani Jaisalmer One SEPL Solar	Solar	133.85	131.73	-2.12	-1.58
M/S Adani Solar Energy Jodhpur Two Ltd	Solar	10.99	11.21	0.22	2.00
Adani SB Energy Four Pvt. Ltd.(SE4PL(Kilaj Solar))	Solar	10.68	10.71	0.03	0.28
Adani SEJ5PL	Solar	40.58	40.86	0.28	0.69
Adani SERJ1PL	Solar	48.84	48.49	-0.35	-0.72
AURAIYA SOLAR	Solar	6.94	6.52	-0.42	-6.05
Avaada RJHN Private Limited	Solar	50.37	48.77	-1.60	-3.18
Avaada Sunce Energy Private Limited	Solar	73.58	71.37	-2.21	-3.00
Avaada Sunrays Energy Private Limited	Solar	71.18	71.64	0.46	0.65
Avaada Sustainable RJ Project Private Ltd.	Solar	63.29	61.77	-1.52	-2.40
Ayana Renewable Power One Private Limited	Solar	65.50	66.27	0.77	1.18
Azure Power Forty One Private Limited	Solar	61.27	62.73	1.46	2.38
Azure Power Forty Three Private Ltd	Solar	125.44	127.25	1.81	1.44
Azure Power Maple Pvt Ltd	Solar	52.58	49.66	-2.92	-5.55
Azure Power Thirty Four Private Ltd	Solar	25.77	24.56	-1.21	-4.70
Azure Power India Pvt Ltd	Solar	37.17	35.96	-1.21	-3.26
Clean Solar Power (Jodhpur) Pvt Ltd	Solar	52.25	52.07	-0.18	-0.34
Clean Solar Power (Bhadla) Pvt Ldt	Solar	63.69	65.33	1.64	2.57

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of June 2023

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
DADRI SOLAR	Solar	0.64	0.56	-0.08	-12.50
DEVIKOT SOLAR	Solar	48.36	47.10	-1.26	-2.61
Eden Renewable Cite Private Limited	Solar	66.68	66.23	-0.45	-0.67
KOLYAT SOLAR BIKANER	Solar	89.48	84.40	-5.08	-5.68
Mahindra Renewable Private Limited	Solar	53.42	53.35	-0.07	-0.13
Mega Surya Urja Pvt. Ltd	Solar	53.27	55.33	2.06	3.87
Nindan Solar Fatehgar	Solar	61.13	64.89	3.76	6.15
Nokhra Solar	Solar	59.17	58.26	-0.91	-1.54
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Solar	64.98	63.18	-1.80	-2.77
Renew Solar Power Pvt Ltd	Solar	10.22	10.49	0.27	2.64
Renew Solar Urja Pvt Ltd	Solar	62.80	62.65	-0.15	-0.24
Renew Sun Bright Pvt Ltd	Solar	61.76	63.17	1.41	2.28
Renew Sun Waves Private Limited	Solar	64.71	63.30	-1.41	-2.18
Renew Surya Ravi Pvt Ltd	Solar	63.78	62.31	-1.47	-2.30
Renew Solar Power Pvt Ltd. Bikaner	Solar	51.01	51.53	0.52	1.02
SBSR Power Cleantech Eleven Private Limited	Solar	47.81	48.59	0.78	1.63
SINGRAULI SOLAR	Solar	2.05	1.72	-0.33	-16.10
Tata Power Green Energy Limited	Solar	48.85	44.48	-4.37	-8.95
Tata Power Renewable Energy Ltd	Solar	39.31	37.54	-1.77	-4.50
Thar Surya1 Private Limited	Solar	54.67	50.38	-4.29	-7.85
Tata Power Saurya	Solar	16.80	15.27	-1.53	-9.11
Unchahar Solar	Solar	1.44	1.24	-0.20	-13.89
Northern Region Total		2840.23	2835.91		
Western Region					
Arinsun Solar (Barsaitadesh)	Solar	41.93	43.64	1.71	4.08
Mahindra Solar (Badwar)	Solar	46.04	44.78	-1.26	-2.74
Electro Solaire Private Limited (ESPL RSP Solar)	Solar	39.95	39.01	-0.94	-2.35
Tata Power Renewable Energy Limited (TPREL RSP Solar)	Solar	20.41	19.67	-0.74	-3.63
Gujarat Industries Power Company Limited (GIPCL RSP Solar)	Solar	20.31	19.88	-0.43	-2.12

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of June 2023

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Powerica Wind	Solar	19.30	18.57	-0.73	-3.78
NTPC Kawas	Solar	8.47	7.71	-0.76	-8.97
Gujarat State Electricity Corporation Limited (GSECL)	Solar	7.54	12.63	5.09	67.51
Athena Solar	Solar	45.92	45.42	-0.50	-1.09
Gandhar_Solar	Solar	3.29	2.80	-0.49	-14.89
Adani Wind Energy Kutchh Four Limited (AWEK4L)	Wind	36.23	33.72	-2.51	-6.93
Adani Wind Energy Kutchh One Limited Ratadiya (AWEKL1L)	Wind	193.95	182.43	-11.52	-5.94
Adani Wind Energy MP One Private Limited (AWEMP1PL)	Wind	117.92	117.30	-0.62	-0.53
Alfnar Wind (Nanavalka)	Wind	87.40	83.85	-3.55	-4.06
Green Infra Wind Energy Limited SECI-II (Giwel-II Wind (Vadva))	Wind	65.38	61.83	-3.55	-5.43
Green Infra Wind Energy Limited SECI-III (Giwel-III Wind (Naranpar))	Wind	96.65	92.74	-3.91	-4.05
Inox Green Energy Services Limited (IWISL Wind (Dayapar))	Wind	91.21	79.56	-11.65	-12.77
Ostro Kutch Wind Private Limited (OKWPL)	Wind	91.87	89.59	-2.28	-2.48
Renew Wind Energy (AP2) Private Limited (Ghadsisa)	Wind	91.44	89.19	-2.25	-2.46
Avikiran Solar India Private Limited (ASIPL), Baranda	Wind	55.88	53.03	-2.85	-5.10
SITAC	Wind	109.24	106.24	-3.00	-2.75
SRIJAN	Wind	48.24	47.54	-0.70	-1.45
Total Western Region		1338.57	1291.13		
Southern Region					
Beetam(Tuticorin)	Wind	91.60	88.06	-3.53	-3.86
GIREL	Wind	91.78	90.72	-1.06	-1.15
Mytra	Wind	88.32	84.45	-3.87	-4.38
Orange	Wind	71.80	71.34	-0.45	-0.63
Sprng Renewable Energy Pvt Ltd(Pugalur)	Wind	115.08	113.05	-2.04	-1.77
GRTJIPL	Wind	29.79	29.10	-0.69	-2.31
JSW Renew Energy Two Limited (Tuticorin)	Wind	33.60	33.05	-0.56	-1.66

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of June 2023

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Ostro Hiriyur	Wind	105.15	102.91	-2.24	-2.13
NTPC-Ettayapuram,(Solar PV), Tuticorin	Solar	41.38	41.21	-0.17	-0.41
Total Southern Region		668.50	653.89		

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 June 2023

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of June 2023								
State/UT	Fossil =((1)+(2))		Non Fossil =((3)+(4)+(5))			Total Non-Fossil (6)=((3)+(4)+(5))	Grand Total (7)=((1)+(2)+(3)+(4)+(5))	Non Fossil as % of Total Generation
	Thermal (1)	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
NORTHERN REGION								
Chandigarh	0.00	0.00	0.00	0.00	1.98	1.98	1.98	100.00
Delhi	0.00	303.55	0.00	0.00	59.22	59.22	362.77	16.32
Haryana	2506.46	52.35	0.00	0.00	116.34	116.34	2675.15	4.35
HP	0.00	0.00	0.00	4924.32	297.32	5221.64	5221.64	100.00
J & K	0.00	0.00	0.00	2240.77	66.88	2307.65	2307.65	100.00
Ladakh	0.00	0.00	0.00	49.32	0.00	49.32	49.32	100.00
Punjab	2792.12	0.00	0.00	442.84	453.03	895.87	3687.99	24.29
Rajasthan	4951.78	159.28	602.50	2.73	4447.44	5052.67	10163.73	49.71
Uttar Pradesh	13318.91	243.45	292.20	98.10	399.36	789.66	14352.02	5.50
Uttarakhand	0.00	88.81	0.00	1450.47	77.81	1528.28	1617.09	94.51
Northern Region Total	23569.27	847.44	894.70	9208.55	5919.38	16022.63	40439.34	39.62
WESTERN REGION								
Chhattisgarh	13289.86	0.00	0.00	3.61	182.05	185.66	13475.52	1.38
Gujarat	5118.64	884.18	178.86	116.02	3494.18	3789.06	9791.88	38.70
Madhya Pradesh	11923.83	0.00	0.00	398.84	1064.80	1463.64	13387.47	10.93
Maharashtra	11176.37	380.24	696.60	412.78	1825.44	2934.82	14491.43	20.25
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	2.19	2.19	2.19	100.00
Goa	0.00	0.00	0.00	0.00	6.99	6.99	6.99	100.00
Western Region Total	41508.70	1264.42	875.46	931.25	6575.66	8382.37	51155.49	16.39
SOUTHERN REGION								
Andhra Pradesh	6237.42	0.00	0.00	113.17	1979.96	2093.13	8330.55	25.13
Telangana	4079.34	0.00	0.00	57.10	662.70	719.80	4799.14	15.00

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

State/UT	Fossil =((1)+(2))		Non Fossil =((3)+(4)+(5))			Total Non-Fossil (6)=((3)+((4)+(5))	Grand Total (7)=((1)+(2)+(3)+(4)+(5))	Non Fossil as % of Total Generation
	Thermal (1)	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
Karnataka	3907.91	0.00	557.83	590.62	2890.30	4038.75	7946.66	50.82
Kerala	0.00	0.00	0.00	438.20	157.12	595.32	595.32	100.00
Tamil Nadu	6208.99	162.86	881.75	279.72	4064.98	5226.45	11598.30	45.06
Lakshadweep	5.20	0.00	0.00	0.00	0.01	0.01	5.21	0.15
Puducherry	0.00	21.28	0.00	0.00	1.02	1.02	22.30	4.57
Southern Region Total	20438.86	184.14	1439.58	1478.81	9756.09	12674.48	33297.48	38.06
EASTERN REGION								
Andaman Nicobar	27.09	0.00	0.00	0.00	2.51	2.51	29.60	8.49
Bihar	4717.59	0.00	0.00	0.00	28.26	28.26	4745.85	0.60
Jharkhand	2841.83	0.00	0.00	2.62	1.47	4.09	2845.92	0.14
Orissa	5241.25	0.00	0.00	423.84	83.30	507.14	5748.39	8.82
Sikkim	0.00	0.00	0.00	1414.28	1.03	1415.31	1415.31	100.00
West Bengal	7413.93	0.00	0.00	288.82	170.37	459.19	7873.12	5.83
Eastern Region Total	20241.69	0.00	0.00	2129.56	286.95	2416.51	22658.20	10.67
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	462.42	0.24	462.66	462.66	100.00
Assam	432.22	278.21	0.00	30.31	43.20	73.51	783.94	9.38
Manipur	0.00	0.00	0.00	3.27	0.66	3.93	3.93	100.00
Meghalaya	0.00	0.00	0.00	80.87	2.75	83.62	83.62	100.00
Mizoram	0.00	0.00	0.00	4.13	8.26	12.39	12.39	100.00
Nagaland	0.00	0.00	0.00	5.08	8.99	14.07	14.07	100.00
Tripura	0.00	455.09	0.00	0.00	0.40	0.40	455.49	0.09
North Eastern Region Total	432.22	733.30	0.00	586.08	64.49	650.57	1816.09	35.82
All India Total	106190.74	3029.30	3209.74	14334.25	22602.57	40146.56	149366.60	26.88

Table 6:-Fossil and Non-Fossil Generation for the period of April-June 2023

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Period of April-June 2023								
State/UT	Fossil		Non Fossil			Total Renewable (6)=\$((3)+(4)+(5))	Grand Total (7)=\$((1)+(2)+(3)+(4)+(5))	Non Fossil as % of Total Generation
	Thermal (1)	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
NORTHERN REGION								
Chandigarh	0.00	0.00	0.00	0.00	4.93	4.93	4.93	100.00
Delhi	0.00	674.22	0.00	0.00	169.47	169.47	843.69	20.09
Haryana	6869.19	70.19	0.00	0.00	353.38	353.38	7292.76	4.85
HP	0.00	0.00	0.00	9754.75	781.19	10535.94	10535.94	100.00
J & K	0.00	0.00	0.00	5772.08	167.86	5939.94	5939.94	100.00
Ladakh	0.00	0.00	0.00	85.09	0.00	85.09	85.09	100.00
Punjab	8203.53	0.00	0.00	979.93	1381.28	2361.21	10564.74	22.35
Rajasthan	14413.11	398.04	1819.06	8.97	12961.91	14789.94	29601.09	49.96
Uttar Pradesh	38535.14	375.05	878.24	152.04	1781.87	2812.15	41722.34	6.74
Uttarakhand	0.00	288.57	0.00	3114.94	233.43	3348.37	3636.94	92.07
Northern Region Total	68020.97	1806.07	2697.30	19867.80	17835.33	40400.43	110227.47	36.65
WESTERN REGION								
Chhattisgarh	41442.45	0.00	0.00	37.64	571.70	609.34	42051.79	1.45
Gujarat	16383.23	2422.88	815.70	382.78	11233.85	12432.33	31238.44	39.80
Madhya Pradesh	36152.36	0.00	0.00	781.53	2795.53	3577.06	39729.42	9.00
Maharashtra	34262.12	989.66	1773.81	1893.79	4408.97	8076.57	43328.35	18.64
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	7.28	7.28	7.28	100.00
Goa	0.00	0.00	0.00	0.00	15.91	15.91	15.91	100.00
Western Region Total	128240.16	3412.54	2589.51	3095.74	19033.25	24718.50	156371.20	15.81
SOUTHERN REGION								
Andhra Pradesh	18596.56	0.00	0.00	356.05	4526.48	4882.53	23479.09	20.80
Telangana	13573.93	0.00	0.00	163.70	2036.53	2200.23	15774.16	13.95
Karnataka	11520.17	0.00	1809.61	2595.39	7406.16	11811.16	23331.33	50.62
Kerala	0.00	0.00	0.00	1681.64	469.26	2150.90	2150.90	100.00

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Period of April-June 2023

State/UT	Fossil		Non Fossil			Total Renewable (6)=((3)+(4)+(5))	Grand Total (7)=((1)+(2)+(3)+(4)+(5))	Non Fossil as % of Total Generation
	Thermal (1) <small>(1)</small>	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
Tamil Nadu	19194.67	498.94	3121.68	757.10	7643.05	11521.83	31215.44	36.91
Lakshadweep	16.86	0.00	0.00	0.00	0.02	0.02	16.88	0.14
Puducherry	0.00	62.03	0.00	0.00	3.06	3.06	65.09	4.70
Southern Region Total	62902.19	560.97	4931.29	5553.88	22084.57	32569.74	96032.90	33.92
EASTERN REGION								
Andaman Nicobar	88.10	0.00	0.00	0.00	8.30	8.30	96.40	8.61
Bihar	14549.94	0.00	0.00	0.00	84.79	84.79	14634.73	0.58
Jharkhand	8662.96	0.00	0.00	17.21	4.41	21.62	8684.58	0.25
Orissa	16925.64	0.00	0.00	1194.25	279.16	1473.41	18399.05	8.01
Sikkim	0.00	0.00	0.00	2875.80	3.09	2878.89	2878.89	100.00
West Bengal	23305.07	0.00	0.00	704.80	497.01	1201.81	24506.88	4.90
Eastern Region Total	63531.71	0.00	0.00	4792.06	876.76	5668.82	69200.53	8.19
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	945.83	0.76	946.59	946.59	100.00
Assam	1316.50	867.14	0.00	60.26	103.52	163.78	2347.42	6.98
Manipur	0.00	0.00	0.00	15.98	3.23	19.21	19.21	100.00
Meghalaya	0.00	0.00	0.00	165.53	11.41	176.94	176.94	100.00
Mizoram	0.00	0.00	0.00	16.60	24.78	41.38	41.38	100.00
Nagaland	0.00	0.00	0.00	8.22	16.05	24.27	24.27	100.00
Tripura	0.00	1650.55	0.00	0.00	1.48	1.48	1652.03	0.09
North Eastern Region Total	1316.50	2517.69	0.00	1212.42	161.22	1373.64	5207.83	26.38
All India Total	324011.53	8297.27	10218.10	34521.90	59991.14	104731.14	437039.94	23.96

Table 7:- Renewable Energy as % of Total Electricity Generated

Renewable Energy (State Wise) Generation(MU) for the Month of June 2023								
State/UT	Fossil		Non Fossil			Total Renewable (RE) (6)=((4)+(5))	Grand Total (7)=((1)+(2)+(3)+(4)+(5))	RE as % of Total
	Thermal (1)	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
NORTHERN REGION								
Chandigarh	0.00	0.00	0.00	0.00	1.98	1.98	1.98	100.00
Delhi	0.00	303.55	0.00	0.00	59.22	59.22	362.77	16.32
Haryana	2506.46	52.35	0.00	0.00	116.34	116.34	2675.15	4.35
HP	0.00	0.00	0.00	4924.32	297.32	5221.64	5221.64	100.00
J & K	0.00	0.00	0.00	2240.77	66.88	2307.65	2307.65	100.00
Ladakh	0.00	0.00	0.00	49.32	0.00	49.32	49.32	100.00
Punjab	2792.12	0.00	0.00	442.84	453.03	895.87	3687.99	24.29
Rajasthan	4951.78	159.28	602.50	2.73	4447.44	4450.17	10163.73	43.78
Uttar Pradesh	13318.91	243.45	292.20	98.10	399.36	497.46	14352.02	3.47
Uttarakhand	0.00	88.81	0.00	1450.47	77.81	1528.28	1617.09	94.51
Northern Region Total	23569.27	847.44	894.70	9208.55	5919.38	15127.93	40439.34	37.41
WESTERN REGION								
Chhattisgarh	13289.86	0.00	0.00	3.61	182.05	185.66	13475.52	1.38
Gujarat	5118.64	884.18	178.86	116.02	3494.18	3610.20	9791.88	36.87
Madhya Pradesh	11923.83	0.00	0.00	398.84	1064.80	1463.64	13387.47	10.93
Maharashtra	11176.37	380.24	696.60	412.78	1825.44	2238.22	14491.43	15.45
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	2.19	2.19	2.19	100.00
Goa	0.00	0.00	0.00	0.00	6.99	6.99	6.99	100.00
Western Region Total	41508.70	1264.42	875.46	931.25	6575.66	7506.91	51155.49	14.67
SOUTHERN REGION								
Andhra Pradesh	6237.42	0.00	0.00	113.17	1979.96	2093.13	8330.55	25.13
Telangana	4079.34	0.00	0.00	57.10	662.70	719.80	4799.14	15.00
Karnataka	3907.91	0.00	557.83	590.62	2890.30	3480.92	7946.66	43.80
Kerala	0.00	0.00	0.00	438.20	157.12	595.32	595.32	100.00
Tamil Nadu	6208.99	162.86	881.75	279.72	4064.98	4344.70	11598.30	37.46

Renewable Energy (State Wise) Generation(MU) for the Month of June 2023

State/UT	Fossil		Non Fossil			Total Renewable (RE) (6)=((4)+(5))	Grand Total (7)=((1)+(2)+(3)+(4)+(5))	RE as % of Total
	Thermal (1)	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
Lakshadweep	5.20	0.00	0.00	0.00	0.01	0.01	5.21	0.15
Puducherry	0.00	21.28	0.00	0.00	1.02	1.02	22.30	4.57
Southern Region Total	20438.86	184.14	1439.58	1478.81	9756.09	11234.90	33297.48	33.74
EASTERN REGION								
Andaman Nicobar	27.09	0.00	0.00	0.00	2.51	2.51	29.60	8.49
Bihar	4717.59	0.00	0.00	0.00	28.26	28.26	4745.85	0.60
Jharkhand	2841.83	0.00	0.00	2.62	1.47	4.09	2845.92	0.14
Orissa	5241.25	0.00	0.00	423.84	83.30	507.14	5748.39	8.82
Sikkim	0.00	0.00	0.00	1414.28	1.03	1415.31	1415.31	100.00
West Bengal	7413.93	0.00	0.00	288.82	170.37	459.19	7873.12	5.83
Eastern Region Total	20241.69	0.00	0.00	2129.56	286.95	2416.51	22658.20	10.67
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	462.42	0.24	462.66	462.66	100.00
Assam	432.22	278.21	0.00	30.31	43.20	73.51	783.94	9.38
Manipur	0.00	0.00	0.00	3.27	0.66	3.93	3.93	100.00
Meghalaya	0.00	0.00	0.00	80.87	2.75	83.62	83.62	100.00
Mizoram	0.00	0.00	0.00	4.13	8.26	12.39	12.39	100.00
Nagaland	0.00	0.00	0.00	5.08	8.99	14.07	14.07	100.00
Tripura	0.00	455.09	0.00	0.00	0.40	0.40	455.49	0.09
North Eastern Region Total	432.22	733.30	0.00	586.08	64.49	650.57	1816.09	35.82
All India Total	106190.74	3029.30	3209.74	14334.25	22602.57	36936.82	149366.60	24.73

Table 8:- Cumulative Renewable Energy as % of Total Electricity Generated

Renewable Energy (State Wise Generation(MU) for the Period of April-June 2023								
State/UT	Fossil		Non Fossil			Total Renewable (RE) (6)=((4)+(5))	Grand Total (7)=((1)+(2)+(3)+(4)+(5))	RE as % of Total
	Thermal (1)	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
NORTHERN REGION								
Chandigarh	0.00	0.00	0.00	0.00	4.93	4.93	4.93	100.00
Delhi	0.00	674.22	0.00	0.00	169.47	169.47	843.69	20.09
Haryana	6869.19	70.19	0.00	0.00	353.38	353.38	7292.76	4.85
HP	0.00	0.00	0.00	9754.75	781.19	10535.94	10535.94	100.00
J & K	0.00	0.00	0.00	5772.08	167.86	5939.94	5939.94	100.00
Ladakh	0.00	0.00	0.00	85.09	0.00	85.09	85.09	100.00
Punjab	8203.53	0.00	0.00	979.93	1381.28	2361.21	10564.74	22.35
Rajasthan	14413.11	398.04	1819.06	8.97	12961.91	12970.88	29601.09	43.82
Uttar Pradesh	38535.14	375.05	878.24	152.04	1781.87	1933.91	41722.34	4.64
Uttarakhand	0.00	288.57	0.00	3114.94	233.43	3348.37	3636.94	92.07
Northern Region Total	68020.97	1806.07	2697.30	19867.80	17835.33	37703.13	110227.47	34.20
WESTERN REGION								
Chhattisgarh	41442.45	0.00	0.00	37.64	571.70	609.34	42051.79	1.45
Gujarat	16383.23	2422.88	815.70	382.78	11233.85	11616.63	31238.44	37.19
Madhya Pradesh	36152.36	0.00	0.00	781.53	2795.53	3577.06	39729.42	9.00
Maharashtra	34262.12	989.66	1773.81	1893.79	4408.97	6302.76	43328.35	14.55
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	7.28	7.28	7.28	100.00
Goa	0.00	0.00	0.00	0.00	15.91	15.91	15.91	100.00
Western Region Total	128240.16	3412.54	2589.51	3095.74	19033.25	22128.99	156371.20	14.15
SOUTHERN REGION								
Andhra Pradesh	18596.56	0.00	0.00	356.05	4526.48	4882.53	23479.09	20.80
Telangana	13573.93	0.00	0.00	163.70	2036.53	2200.23	15774.16	13.95
Karnataka	11520.17	0.00	1809.61	2595.39	7406.16	10001.55	23331.33	42.87

Renewable Energy (State Wise Generation(MU) for the Period of April-June 2023

State/UT	Fossil		Non Fossil			Total Renewable (RE) (6)=((4)+(5))	Grand Total (7)=((1)+(2)+(3)+(4)+(5))	RE as % of Total
	Thermal (1)	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
Kerala	0.00	0.00	0.00	1681.64	469.26	2150.90	2150.90	100.00
Tamil Nadu	19194.67	498.94	3121.68	757.10	7643.05	8400.15	31215.44	26.91
Lakshadweep	16.86	0.00	0.00	0.00	0.02	0.02	16.88	0.14
Puducherry	0.00	62.03	0.00	0.00	3.06	3.06	65.09	4.70
Southern Region Total	62902.19	560.97	4931.29	5553.88	22084.57	27638.45	96032.90	28.78
EASTERN REGION								
Andaman Nicobar	88.10	0.00	0.00	0.00	8.30	8.30	96.40	8.61
Bihar	14549.94	0.00	0.00	0.00	84.79	84.79	14634.73	0.58
Jharkhand	8662.96	0.00	0.00	17.21	4.41	21.62	8684.58	0.25
Orissa	16925.64	0.00	0.00	1194.25	279.16	1473.41	18399.05	8.01
Sikkim	0.00	0.00	0.00	2875.80	3.09	2878.89	2878.89	100.00
West Bengal	23305.07	0.00	0.00	704.80	497.01	1201.81	24506.88	4.90
Eastern Region Total	63531.71	0.00	0.00	4792.06	876.76	5668.82	69200.53	8.19
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	945.83	0.76	946.59	946.59	100.00
Assam	1316.50	867.14	0.00	60.26	103.52	163.78	2347.42	6.98
Manipur	0.00	0.00	0.00	15.98	3.23	19.21	19.21	100.00
Meghalaya	0.00	0.00	0.00	165.53	11.41	176.94	176.94	100.00
Mizoram	0.00	0.00	0.00	16.60	24.78	41.38	41.38	100.00
Nagaland	0.00	0.00	0.00	8.22	16.05	24.27	24.27	100.00
Tripura	0.00	1650.55	0.00	0.00	1.48	1.48	1652.03	0.09
North Eastern Region Total	1316.50	2517.69	0.00	1212.42	161.22	1373.64	5207.83	26.38
All India Total	324011.53	8297.27	10218.10	34521.90	59991.14	94513.04	437039.94	21.63

Table 9: Monthly Source wise RE generation June-2023 and June-2022

RE generation(MUs) data (source wise) for the month of June 2023 and June 2022														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22
NORTHERN REGION														
Chandigarh	0.00	0.00	1.98	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	17.21	22.64	0.00	0.00	0.00	0.00	0.00	0.00	42.01	22.52	0.00	0.00
Haryana	0.00	0.00	60.08	63.04	28.39	29.70	0.00	20.96	22.91	22.16	4.96	4.55	0.00	0.00
Himachal Pradesh	0.00	0.00	5.71	4.81	0.00	0.00	0.00	0.00	291.61	203.72	0.00	0.00	4924.32	4314.91
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.88	41.21	0.00	0.00	2240.77	2128.93
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	49.32	50.33
Punjab	0.00	0.00	326.67	198.87	50.78	40.56	2.79	5.53	72.80	69.28	0.00	0.00	442.84	449.92
Rajasthan	1094.86	1092.44	3324.99	2822.97	27.51	28.58	0.00	0.00	0.09	0.04	0.00	0.00	2.73	9.61
Uttar Pradesh	0.00	0.00	357.40	307.57	3.46	10.12	24.05	19.05	4.81	5.53	9.65	0.00	98.10	75.10
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	1450.47	1445.19
Northern Region	1094.86	1092.44	4121.68	3447.78	110.13	108.96	47.55	66.25	488.55	371.39	56.62	27.07	9208.55	8473.99
WESTERN REGION														
Chhattisgarh	0.00	0.00	64.26	39.36	112.68	121.35	0.22	0.00	4.89	2.98	0.00	0.00	3.61	10.34
Gujarat	2571.69	2188.45	907.11	838.77	0.00	0.00	0.00	0.00	15.39	8.16	0.00	0.00	116.02	191.57
Madhya Pradesh	723.57	592.66	303.34	340.79	8.83	0.00	0.00	0.21	26.73	4.46	2.34	3.51	398.84	197.26
Maharashtra	1265.86	854.75	473.19	314.57	27.91	29.32	29.15	151.08	29.27	36.24	0.06	0.03	412.78	354.47
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	1.16	4.63	1.03	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	6.29	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.42	0.00	0.00

RE generation(MUs) data (source wise) for the month of June 2023 and June 2022

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22
Western Region	4561.12	3635.86	1755.35	1538.53	150.45	151.48	29.37	151.29	76.28	51.85	3.10	3.96	931.25	753.64
SOUTHERN REGION														
Andhra Pradesh	1255.22	998.00	684.04	710.95	2.38	8.94	1.52	6.33	12.69	11.59	24.11	17.88	113.17	70.06
Telangana	39.81	29.01	612.91	559.28	0.62	4.58	0.00	0.01	0.27	2.50	9.09	13.25	57.10	77.00
Karnataka	1537.17	1190.49	1259.32	1133.93	7.47	13.95	51.93	75.71	34.41	125.88	0.00	0.00	590.62	612.98
Kerala	20.22	19.11	85.53	43.32	0.00	0.00	7.82	6.99	43.55	67.42	0.00	0.00	438.20	500.73
Tamil Nadu	3049.38	2743.61	969.11	728.60	9.80	10.92	31.09	24.58	5.60	12.52	0.00	0.00	279.72	393.79
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	0.00	0.00
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	0.00	0.00
Southern Region	5901.80	4980.22	3611.94	3177.10	20.27	38.39	92.36	113.60	96.52	219.90	33.21	31.13	1478.81	1654.56
EASTERN REGION														
Andaman Nicobar	0.00	0.00	1.85	1.66	0.00	0.00	0.00	0.00	0.66	1.37	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	16.37	13.93	0.00	0.00	11.89	0.00	0.00	0.46	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	1.47	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	9.07
Orissa	0.00	0.00	60.13	51.50	7.23	3.35	0.00	0.00	15.94	8.86	0.00	0.00	423.84	227.54
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	1414.28	1564.09
West Bengal	0.00	0.00	13.31	9.63	0.00	0.00	0.00	0.00	17.36	15.03	139.70	134.16	288.82	351.84
Eastern Region	0.00	0.00	93.13	78.58	7.23	3.35	11.89	0.00	34.99	26.75	139.70	134.16	2129.56	2152.54

RE generation(MUs) data (source wise) for the month of June 2023 and June 2022

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22	June'23	June'22
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	0.19	4.19	0.00	0.00	0.00	0.00	0.06	0.42	0.00	0.00	462.42	613.51
Assam	0.00	0.00	23.97	12.44	0.00	0.00	0.00	0.00	19.16	7.78	0.07	0.00	30.31	60.69
Manipur	0.00	0.00	0.66	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	74.75
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.75	11.95	0.00	0.00	80.87	130.01
Mizoram	0.00	0.00	0.27	0.23	0.00	0.00	0.00	0.00	7.99	1.03	0.00	0.00	4.13	7.13
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.99	7.83	0.00	0.00	5.08	25.29
Tripura	0.00	0.00	0.40	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Eastern Region	0.00	0.00	25.47	17.92	0.00	0.00	0.00	0.00	38.95	29.01	0.07	0.00	586.08	911.38
All India Total	11557.77	9708.52	9607.58	8259.91	288.09	302.17	181.16	331.14	735.28	698.89	232.70	196.32	14334.25	13946.11

Table 10: Cumulative Source wise RE generation April-June-2023 and April-June-2022

RE generation(MUs) data (source wise) for the period of April-June 2023 and April-June 2022														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22
NORTHERN REGION														
Chandigarh	0.00	0.00	4.93	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	51.63	65.33	0.00	0.00	0.00	0.00	0.00	0.00	117.84	66.16	0.00	0.00
Haryana	0.00	0.00	174.36	189.12	76.93	89.10	51.24	62.88	35.63	66.48	15.22	13.65	0.00	0.00
Himachal Pradesh	0.00	0.00	16.53	16.47	0.00	0.00	0.00	0.00	764.66	584.44	0.00	0.00	9754.75	10325.19
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.86	123.97	0.00	0.00	5772.08	5942.96
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	85.09	108.64
Punjab	0.00	0.00	1017.12	552.51	155.32	137.51	43.40	44.68	165.43	167.71	0.00	0.00	979.93	956.32
Rajasthan	2652.63	2652.50	10219.72	8332.85	89.48	90.96	0.00	0.00	0.09	0.23	0.00	0.00	8.97	65.19
Uttar Pradesh	0.00	0.00	1148.80	971.57	12.83	26.35	558.26	562.49	25.57	34.85	36.41	7.90	152.04	194.47
Uttarakhand	0.00	0.00	82.95	82.95	0.00	0.00	62.13	62.13	88.35	88.35	0.00	0.00	3114.94	3833.33
Northern Region	2652.63	2652.50	12716.05	10214.06	334.56	343.92	715.04	732.18	1247.59	1066.03	169.47	87.71	19867.80	21426.10
WESTERN REGION														
Chhattisgarh	0.00	0.00	176.72	128.97	376.74	365.04	4.55	0.60	13.68	13.02	0.00	0.00	37.64	59.17
Gujarat	7699.92	6676.89	3483.08	2606.35	0.00	0.00	0.00	2.86	50.86	35.65	0.00	2.24	382.78	530.95
Madhya Pradesh	1672.51	1796.90	996.13	1182.64	25.73	5.36	9.93	22.15	83.59	27.37	7.65	11.08	781.53	764.35
Maharashtra	2309.94	2294.82	1541.81	979.83	81.89	81.50	326.58	1028.61	148.68	172.68	0.07	0.16	1893.79	1912.08
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	4.39	16.21	2.89	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	14.10	1.26	0.00	0.00	0.00	0.00	0.00	0.00	1.82	1.27	0.00	0.00
Western Region	11682.37	10768.60	6216.22	4915.25	487.26	455.12	341.07	1054.22	296.80	248.72	9.54	14.76	3095.74	3266.55

RE generation(MUs) data (source wise) for the period of April-June 2023 and April-June 2022

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22
SOUTHERN REGION														
Andhra Pradesh	2145.30	2298.76	2252.59	2170.86	7.58	24.79	7.90	44.89	39.65	39.35	73.46	59.98	356.05	358.44
Telangana	76.50	70.11	1909.37	1789.26	0.95	15.42	11.43	7.16	5.83	6.49	32.45	42.87	163.70	193.10
Karnataka	2772.97	2704.92	4066.01	3684.96	20.75	38.69	411.31	489.43	135.12	304.48	0.00	0.00	2595.39	3074.98
Kerala	35.55	35.68	289.66	146.94	0.00	0.00	22.04	13.32	122.01	187.99	0.01	0.00	1681.64	1879.00
Tamil Nadu	4559.27	5478.45	2861.61	2160.52	28.77	30.66	175.77	154.25	17.63	26.06	0.00	0.00	757.10	877.13
Lakshadweep	0.00	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	3.06	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Southern Region	9589.59	10587.91	11382.32	9955.64	58.04	109.56	628.45	709.05	320.25	564.36	105.92	102.85	5553.88	6382.65
EASTERN REGION														
Andaman Nicobar	0.00	0.00	7.52	7.04	0.00	0.00	0.00	0.00	0.78	2.83	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	49.11	46.21	0.00	0.00	35.68	0.00	0.00	0.46	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	4.41	5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.21	23.77
Orissa	0.00	0.00	203.20	180.51	20.88	17.24	0.00	0.00	55.08	40.86	0.00	0.00	1194.25	1037.54
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.09	3.09	0.00	0.00	2875.80	3462.28
West Bengal	0.00	0.00	39.75	31.59	0.00	0.00	0.00	0.00	49.14	43.07	408.12	413.78	704.80	872.96
Eastern Region	0.00	0.00	303.99	270.93	20.88	17.24	35.68	0.00	108.09	90.32	408.12	413.78	4792.06	5396.55

RE generation(MUs) data (source wise) for the period of April-June 2023 and April-June 2022

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22	April'23- June'23	April'22- June'22
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	0.57	12.56	0.00	0.00	0.00	0.00	0.19	1.26	0.00	0.00	945.83	1279.76
Assam	0.00	0.00	78.99	38.53	0.00	0.00	0.00	0.00	24.46	15.01	0.07	0.00	60.26	107.37
Manipur	0.00	0.00	2.00	2.05	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	15.98	146.75
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.41	20.47	0.00	0.00	165.53	307.85
Mizoram	0.00	0.00	0.80	0.89	0.00	0.00	0.00	0.00	23.98	1.03	0.00	0.00	16.60	13.40
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.05	18.79	0.00	0.00	8.22	41.01
Tripura	0.00	0.00	1.48	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Eastern Region	0.00	0.00	83.83	55.52	0.00	0.00	0.00	0.00	76.10	56.56	1.30	0.00	1212.42	1896.14
All India Total	23924.59	24009.02	30702.41	25411.40	900.74	925.84	1720.23	2495.45	2048.82	2025.98	694.34	619.10	34521.90	38367.99



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