



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

May-2023/ मई-2023

नवीकरणीय परियोजना प्रबोधन प्रभाग
Renewable Project Monitoring Division

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Highlights of RE GENERATION

During May 2023

1. RE capacity addition during May 2023 has been 1076.74 MW (Solar -743.34 MW and Wind -330.90 MW, Bio Power – 0.00 MW, Others (waste to energy)-2.50 MW, Small Hydro - 0.00MW).
2. RE generation during May 2023 has decreased by 4.71 % as compared to May 2022.
3. Large Hydro Power generation during May 2023 as compared to May 2022 has decreased by 11.04%.
4. Solar Power generation during May 2023 as compared to May 2022 has increased by 22.99% on All India basis in all states except Haryana, Delhi, Madhya Pradesh, Jharkhand, Arunachal Pradesh, Manipur, and Mizoram.
5. Wind Power generation during May 2023 as compared to May 2022 has decreased by 13.52 % on All India basis in all states except Gujarat.
6. Biomass Power generation during May 2023 as compared to May 2022 has decreased by 1.77 % on All India basis except Punjab, Rajasthan, Chhattisgarh, Madhya Pradesh, Maharashtra and Odisha.
7. Bagasse power generation during May 2023 as compared to May 2022 has decreased by 28.89 % on All India basis except Haryana, Punjab, Uttar Pradesh, Chhattisgarh, Karnataka, Kerala, Tamil Nadu, and Bihar.
8. Others (Waste to Heat) Power generation has increased by 9.19 % during May 2023 as compared to May 2022 except Madhya Pradesh, and Telangana.
9. Small Hydro Power generation during May 2023 as compared to May 2022 has decreased by 1.02 % on All India basis except Himachal Pradesh, Jammu and Kashmir, Punjab, Gujarat, Madhya Pradesh, Andhra Pradesh, Telangana, Odisha, West Bengal and Mizoram.

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

Decreased by 44.71 % as compared to May 22.

Increased by 102.21 % as compared to April 23.

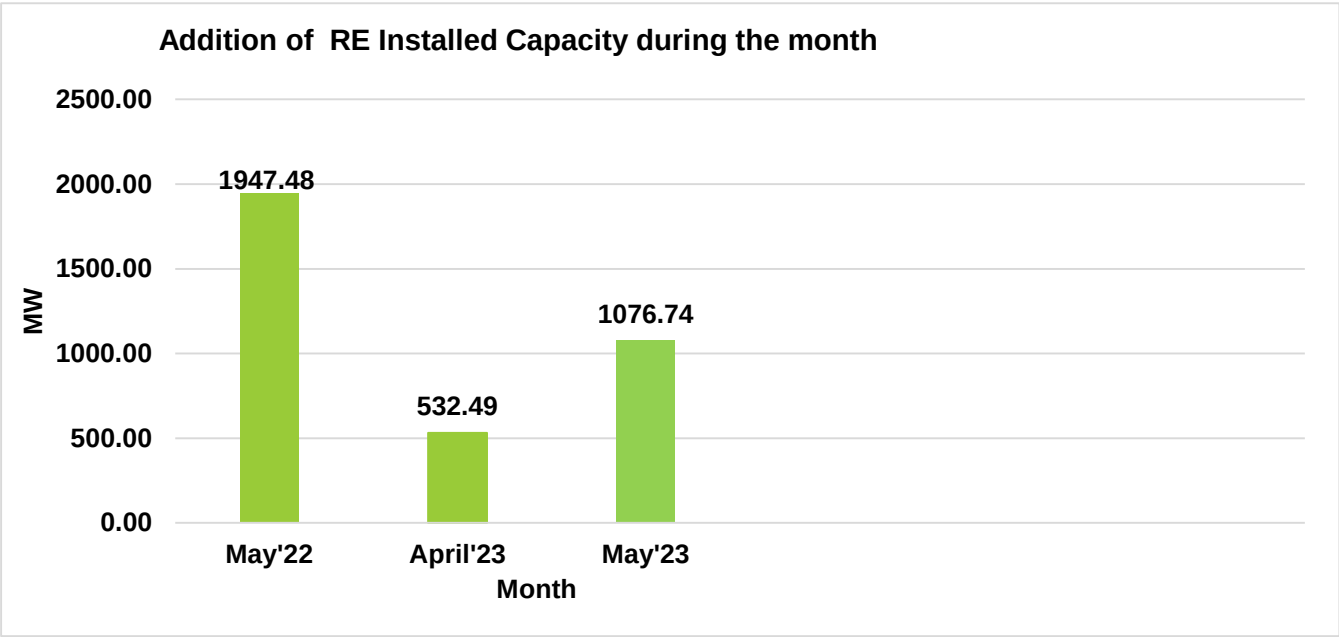


Figure 1: RE capacity added during the Month

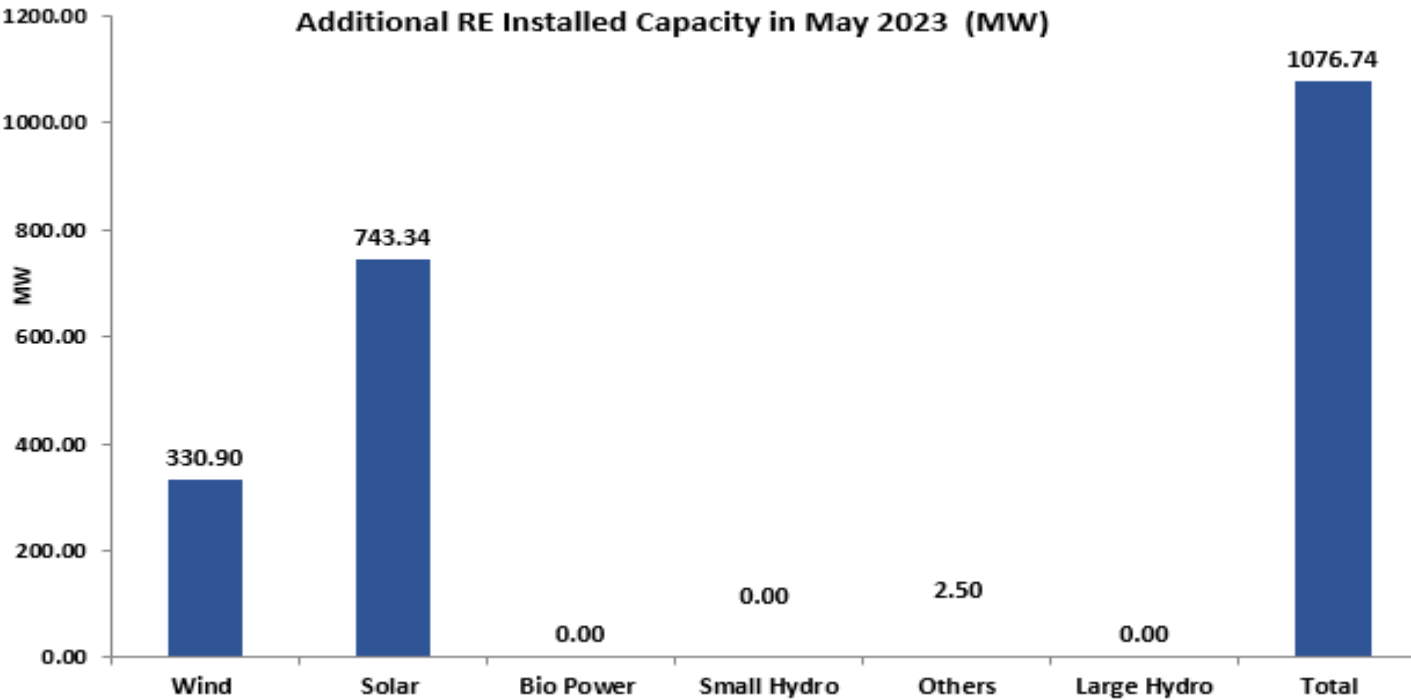


Figure 2: Source wise addition in RE Installed Capacity in May 23

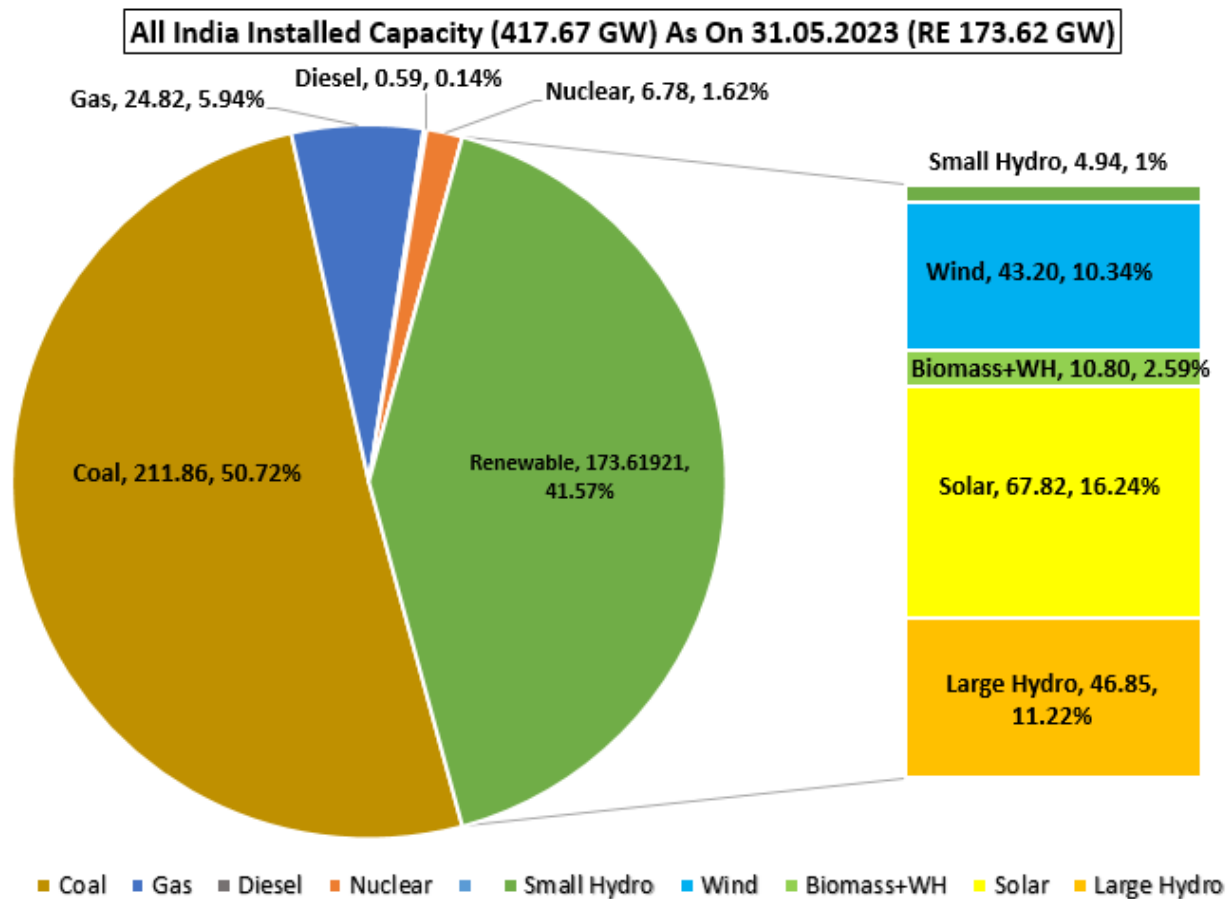


Figure 3: Installed Capacity in India as on 31.05.2023

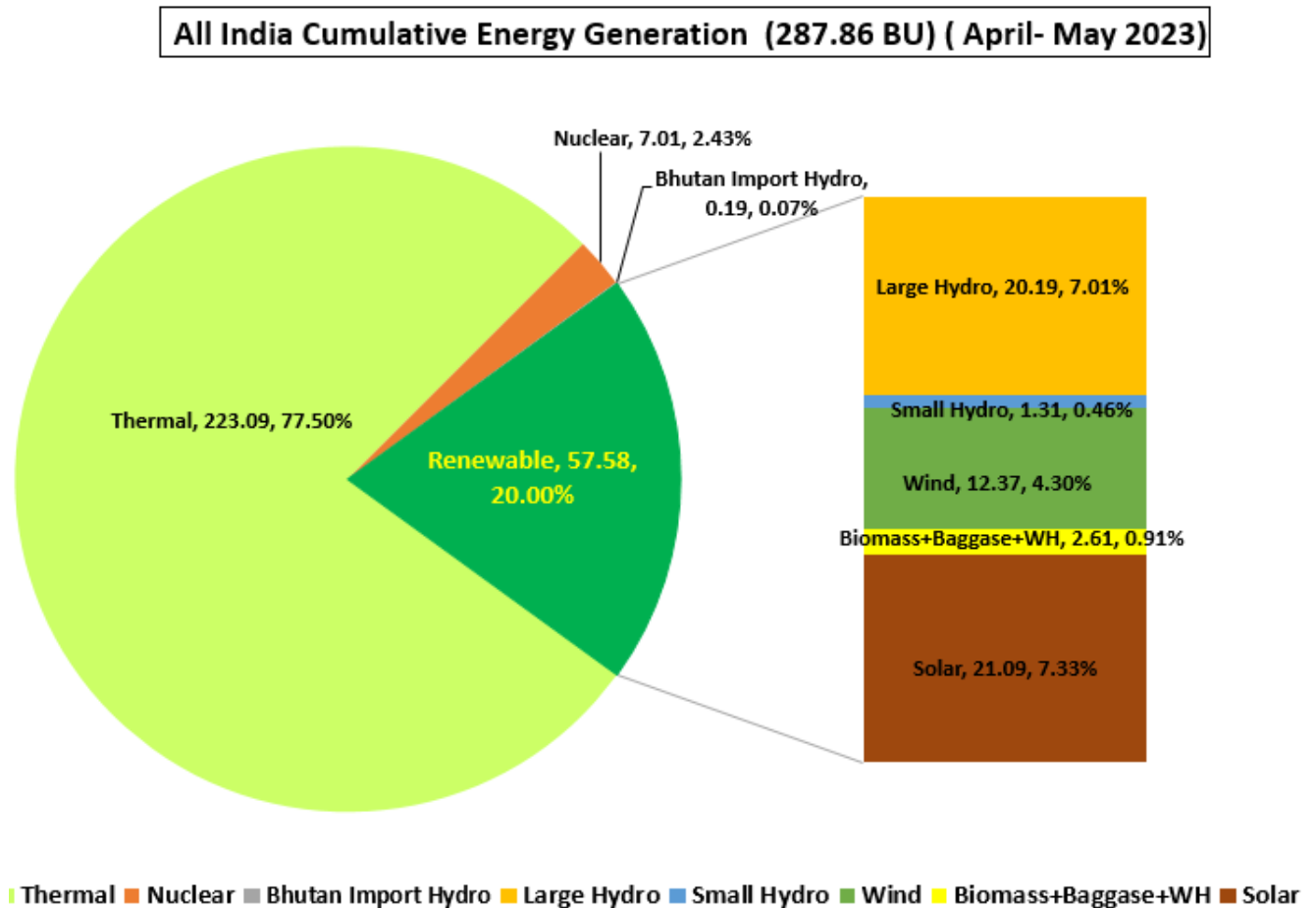


Figure 4: Cumulative Total Energy Generation in India and Share of RE for the year 2023-24

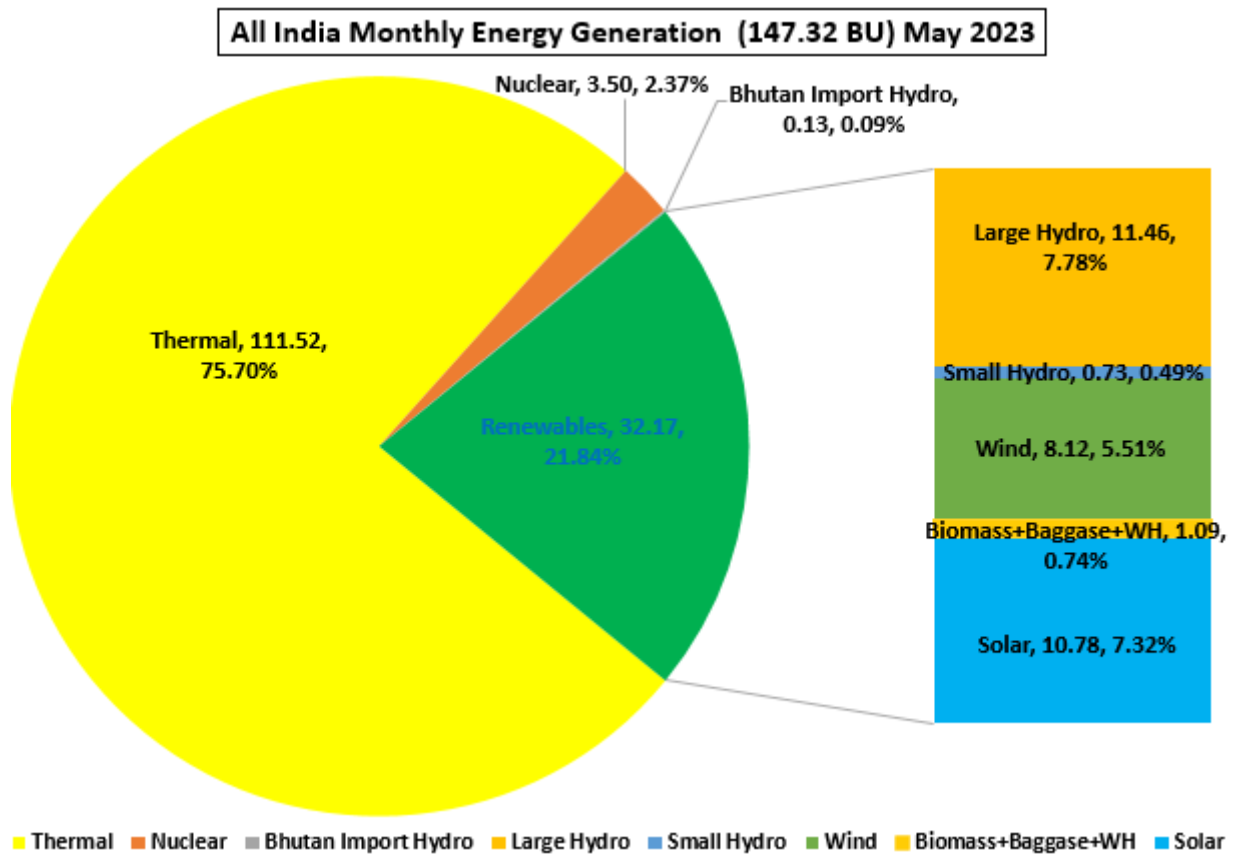


Figure 5: Total Energy Generation in India and Share of RE in the month of May-2023

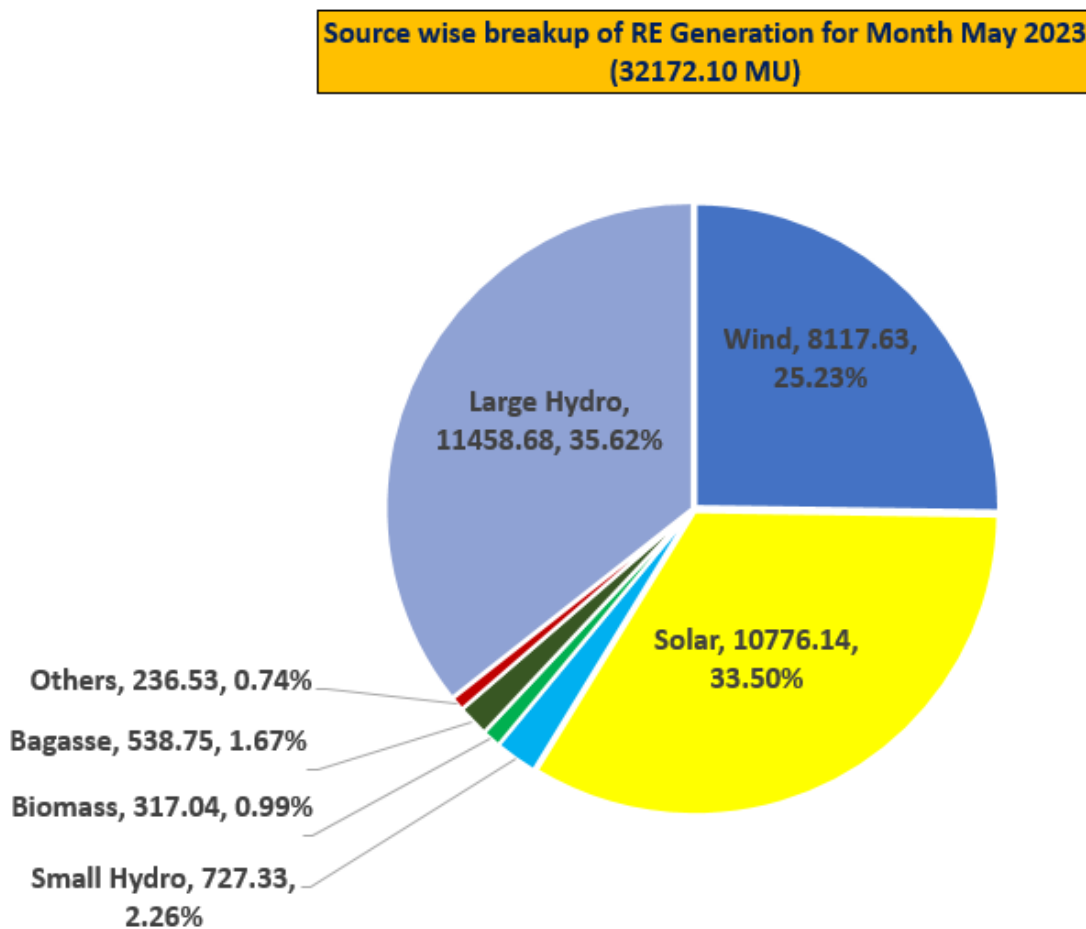


Figure 6: Source wise breakup of RE Generation in the month of May-2023

Source wise breakup of cumulative RE Generation for April 23- May 23
(57576.21 MU)

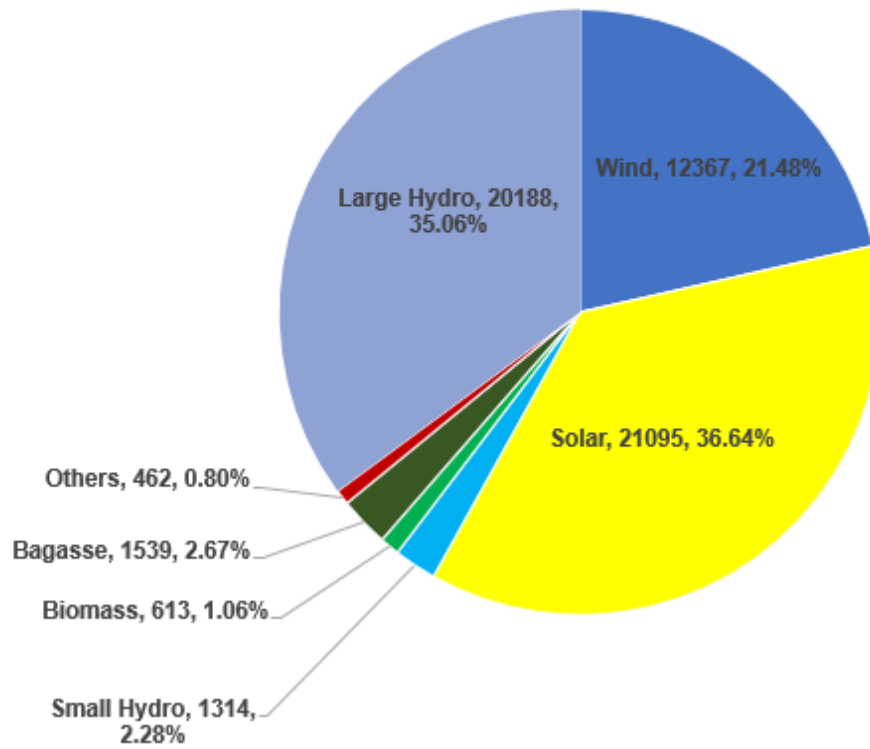


Figure 7: Source wise breakup of Cumulative RE Generation for the year 2023-24.

Summary of Renewable Energy Generation

Decreased by 4.71 % as compared to May'22

Increased by 26.65 % as compared to April'23.

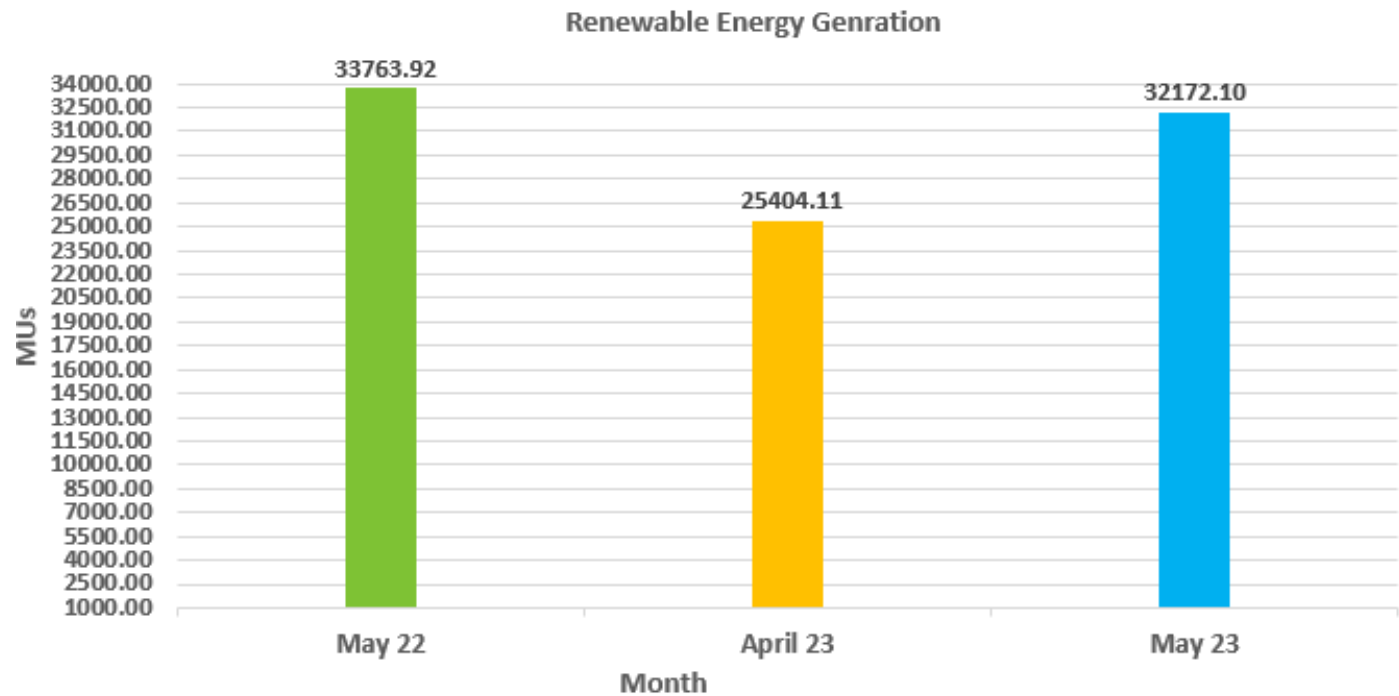


Figure 8: Renewable Energy Generation

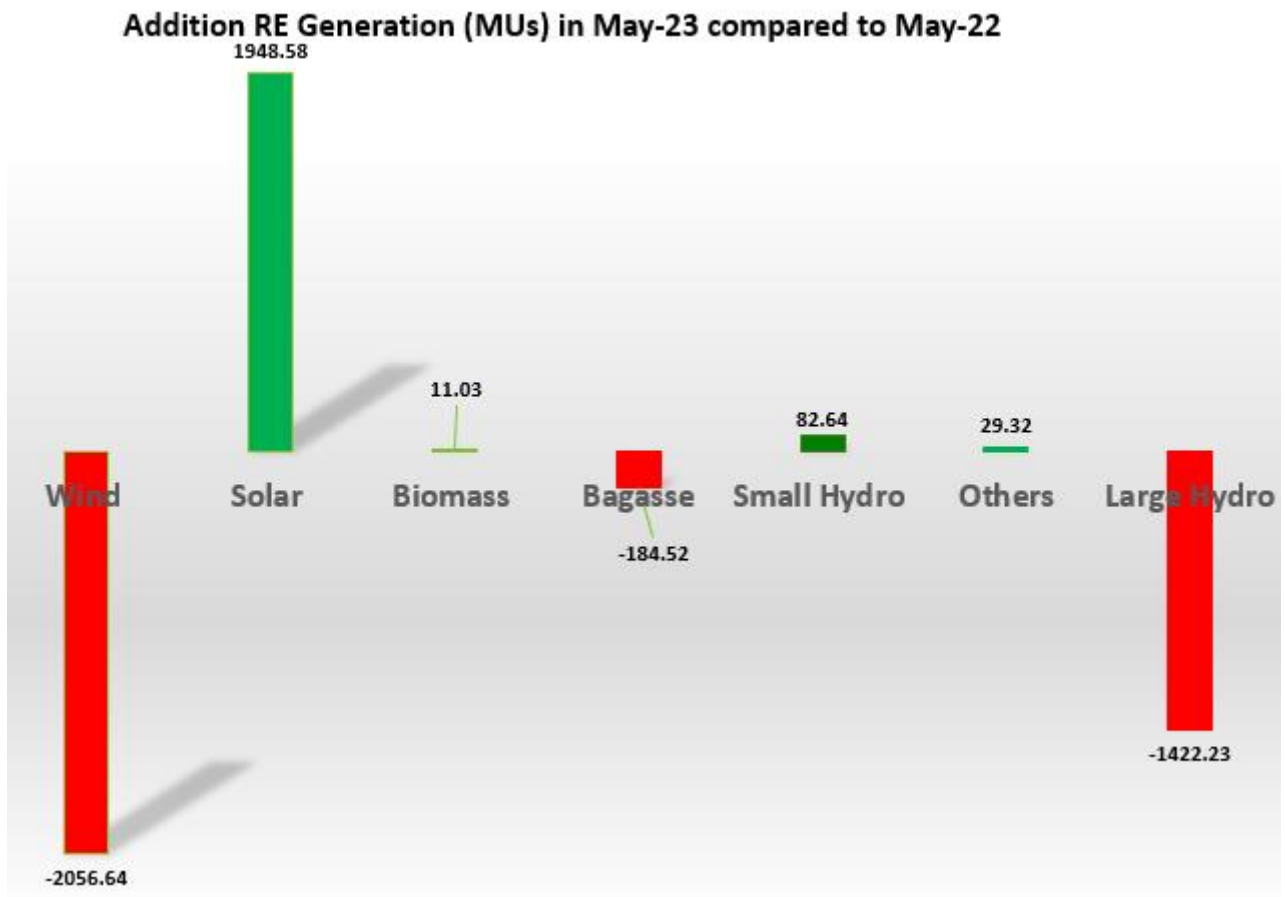


Figure 9: Additional RE Generation in May-23 as compared to May-22

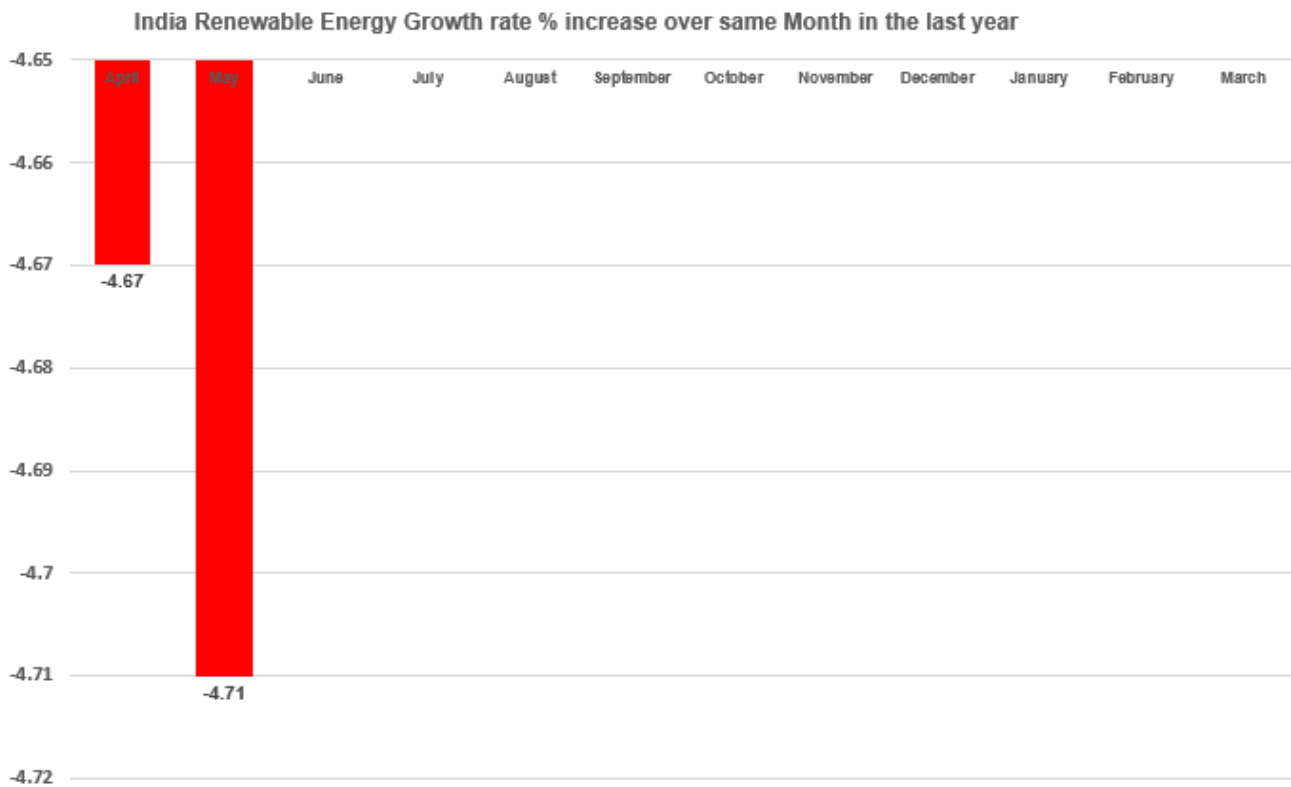


Figure 10: Month Wise % Growth of RE Generation in year 2023-24 w.r.t to previous year Same Month.

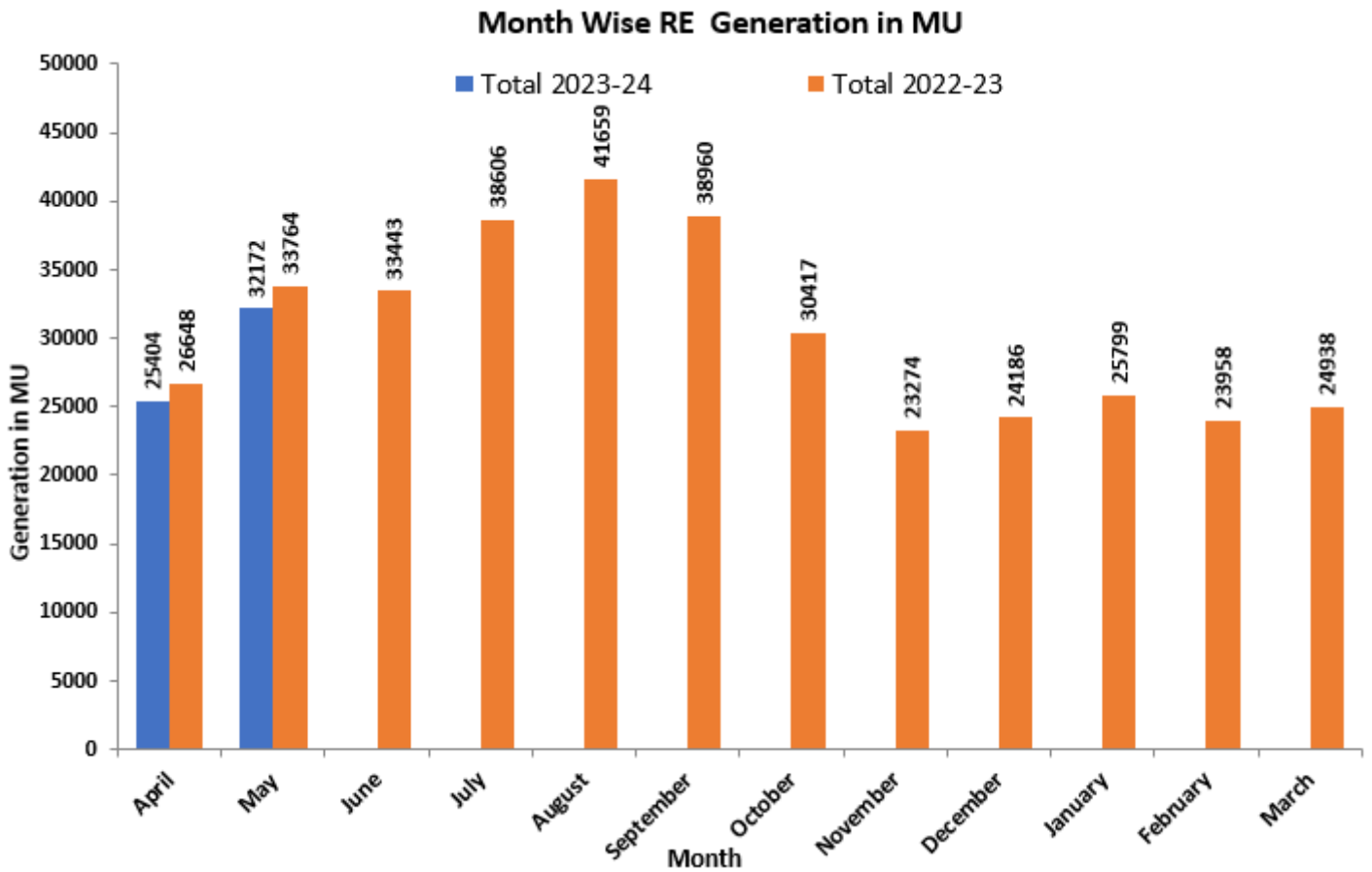


Figure 11: comparison of Month Wise RE Generation in year 2022-23 & in year 2023-24

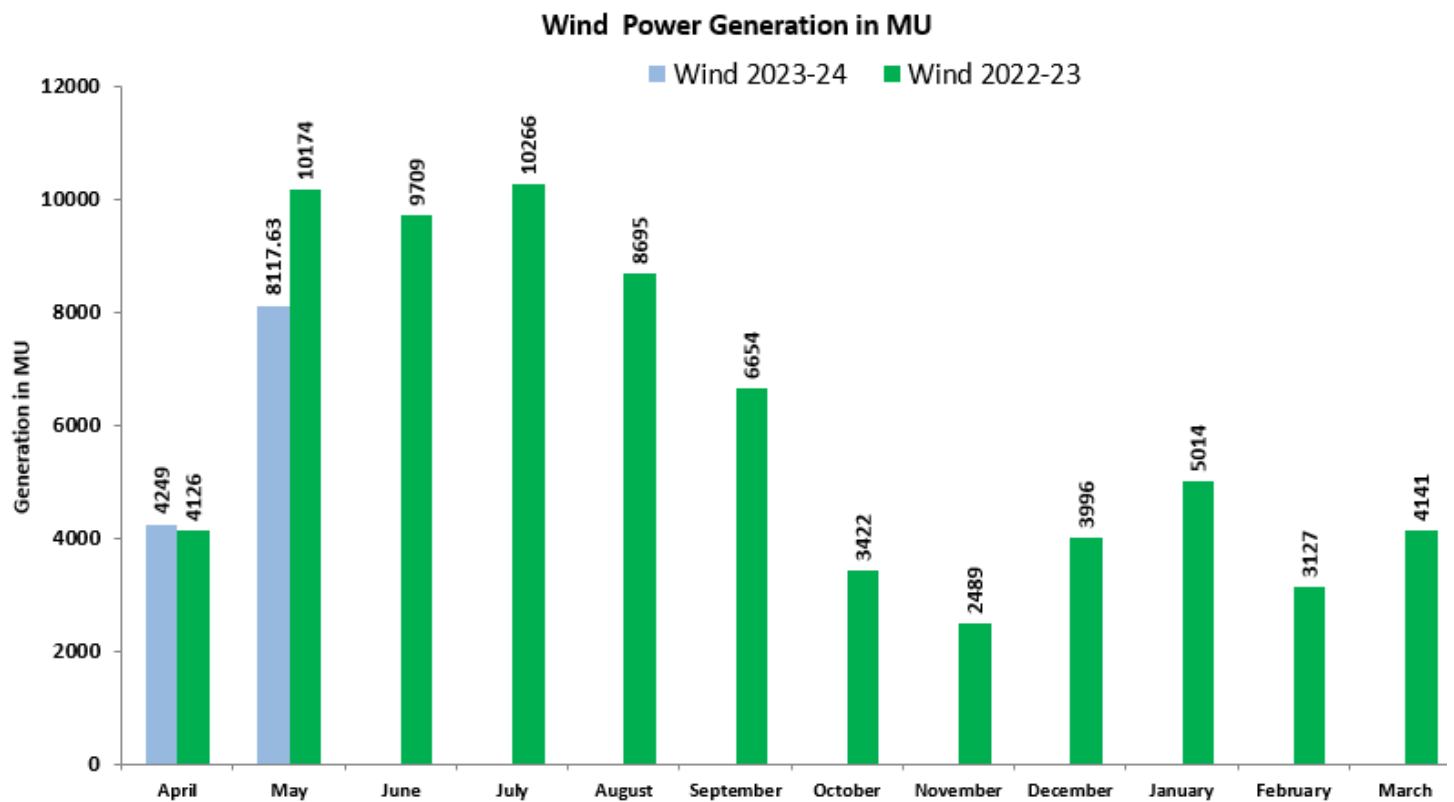


Figure 12: Month Wise Wind Power Generation for the year 2022-23 and year 2023-24.

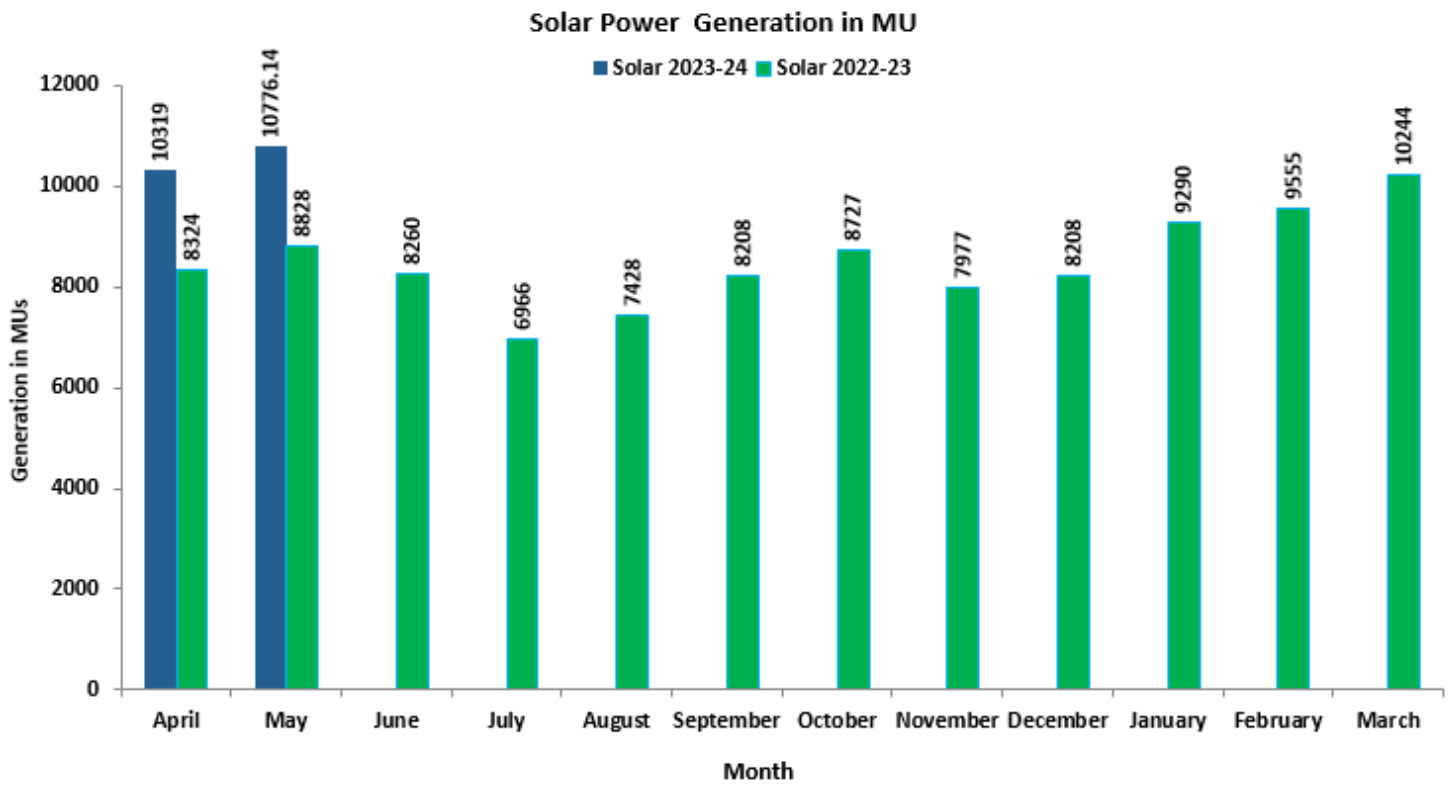


Figure 13: Month Wise Solar Power Generation for the year 2022-23 and year 2023-24.

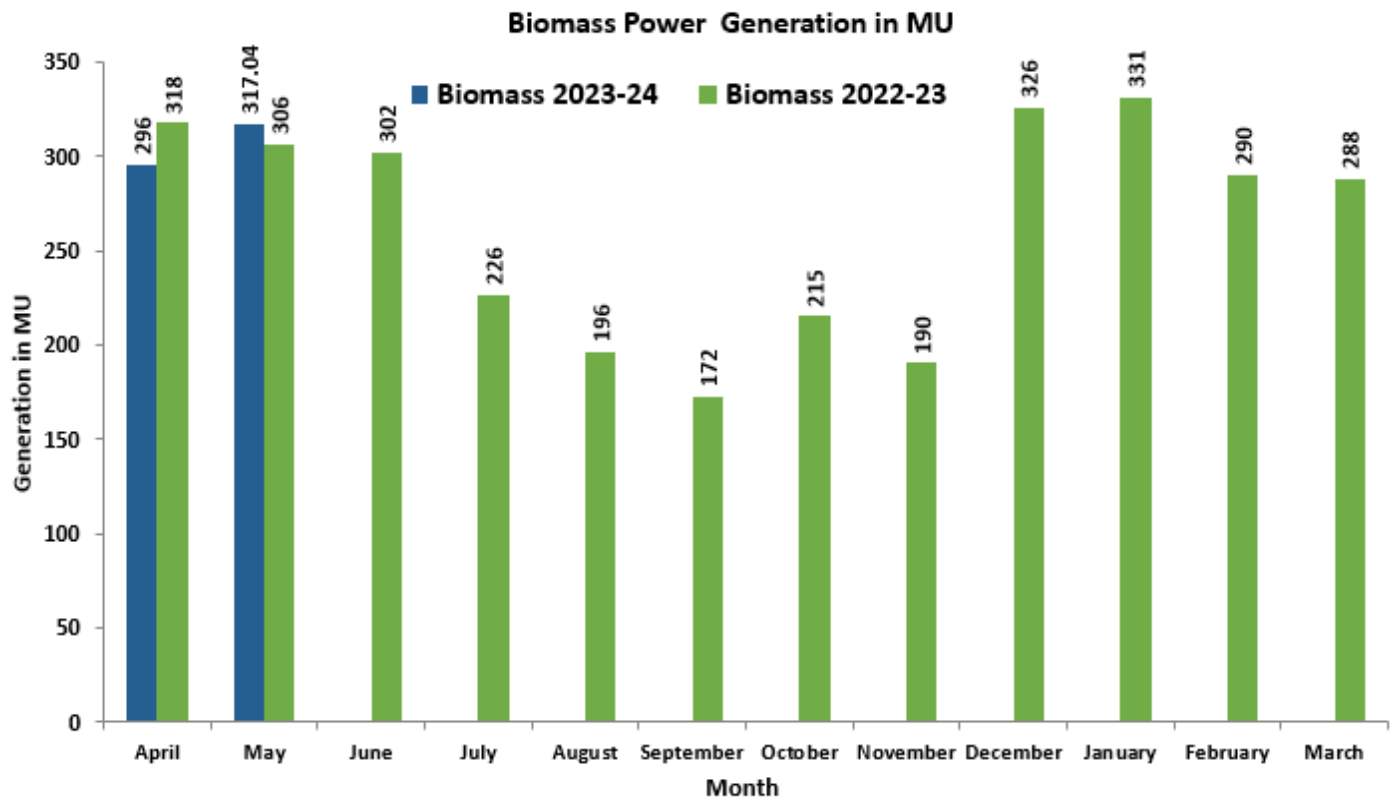


Figure 14: Month Wise Biomass Power Generation for the year 2022-23 and year 2023-24.

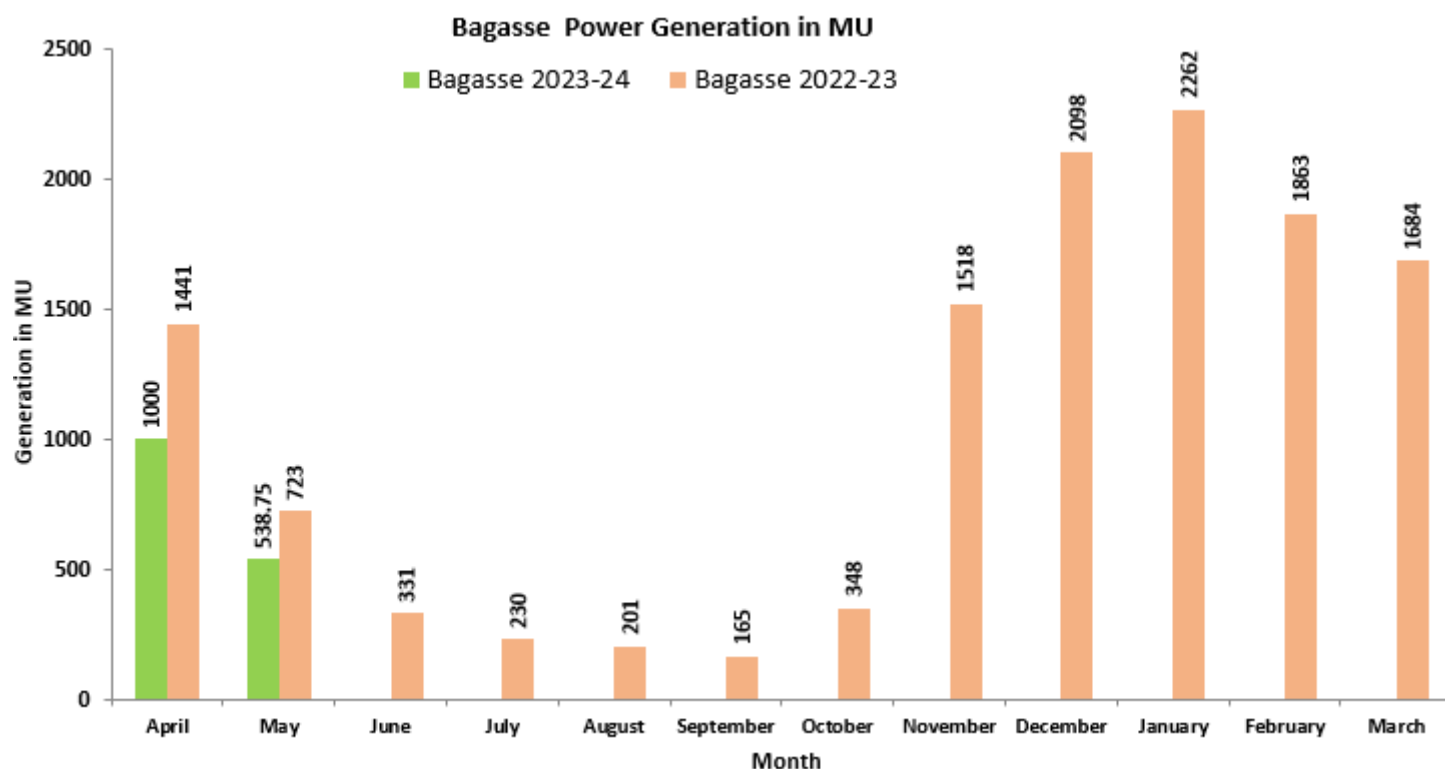


Figure 15: Month Wise Bagasse Power Generation for the year 2022-23 and year 2023-24.

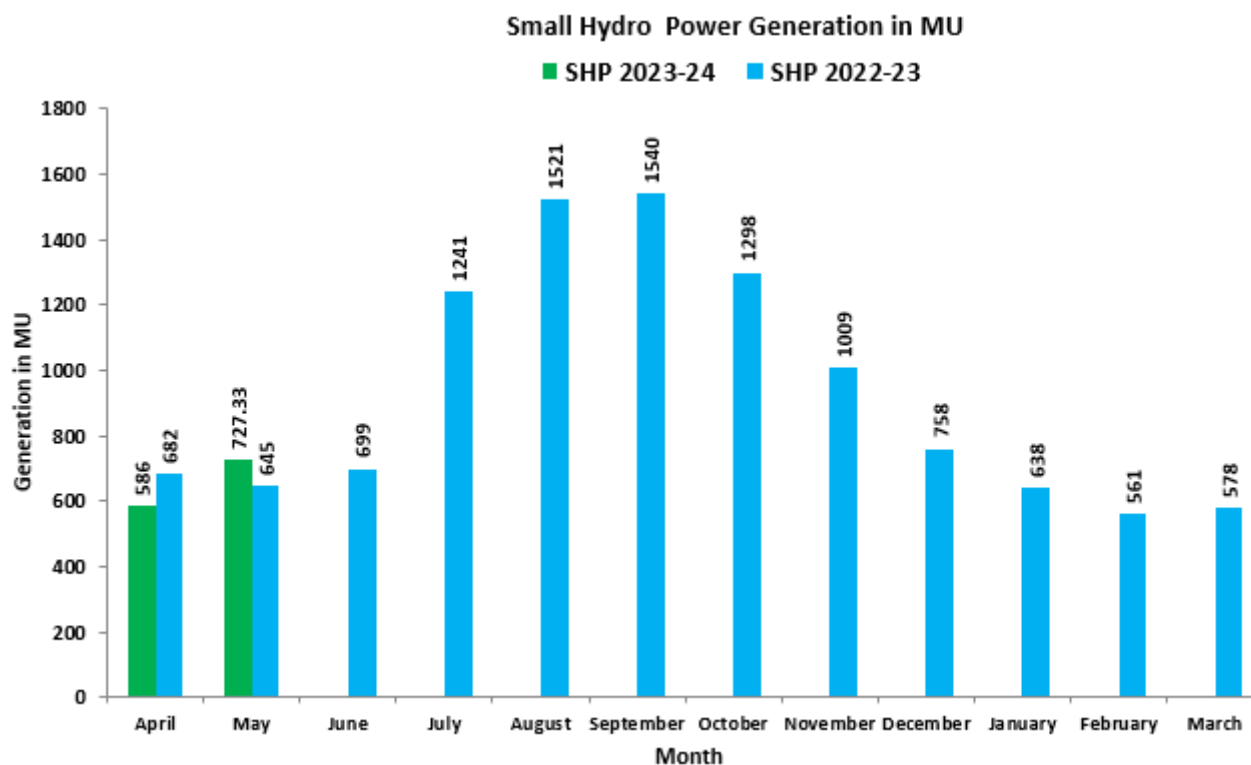


Figure 16: Month Wise Small Hydro Power Generation for the year 2022-23 and year 2023-24.

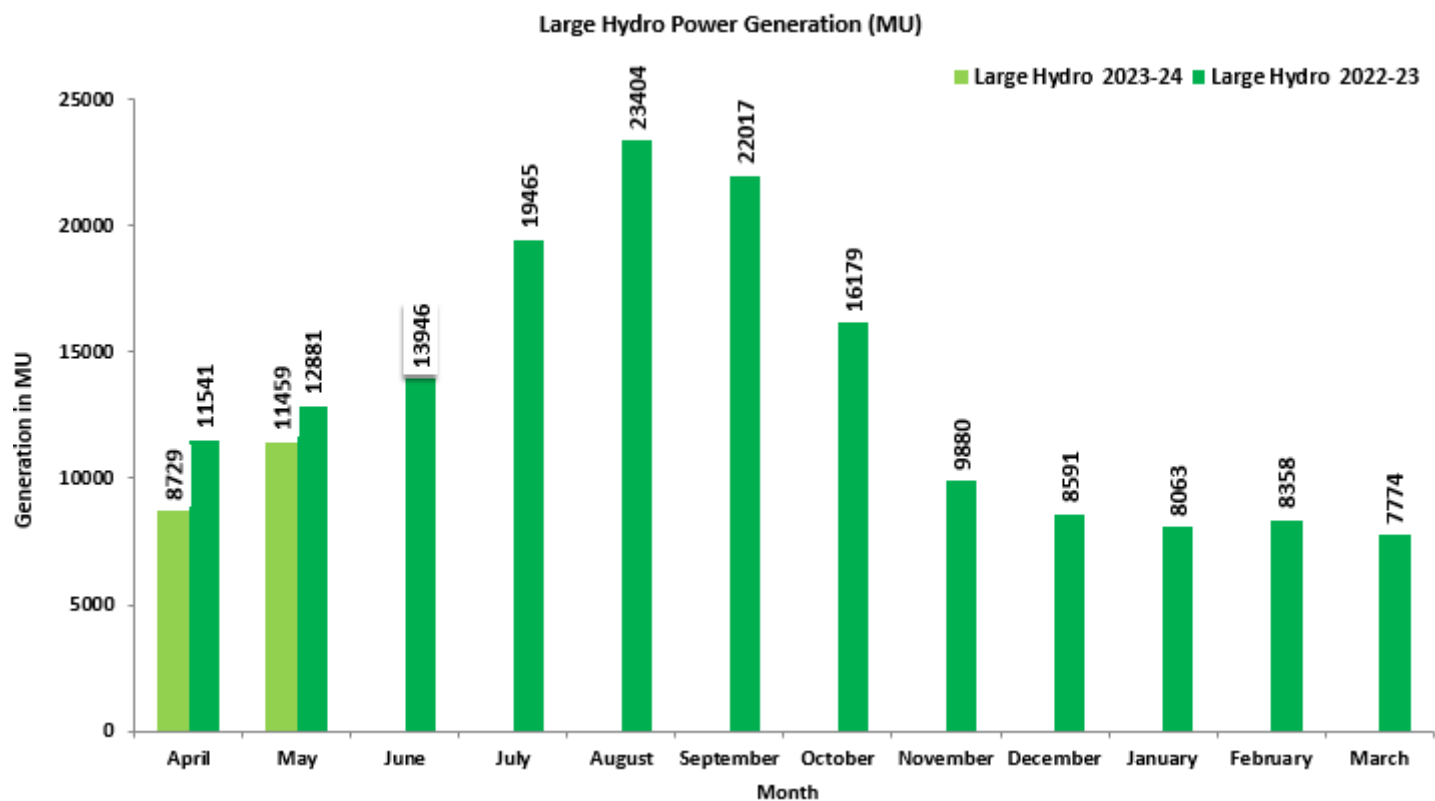


Figure 17: Month Wise Large Hydro Power Generation for the year 2022-23 and year 2023-24.

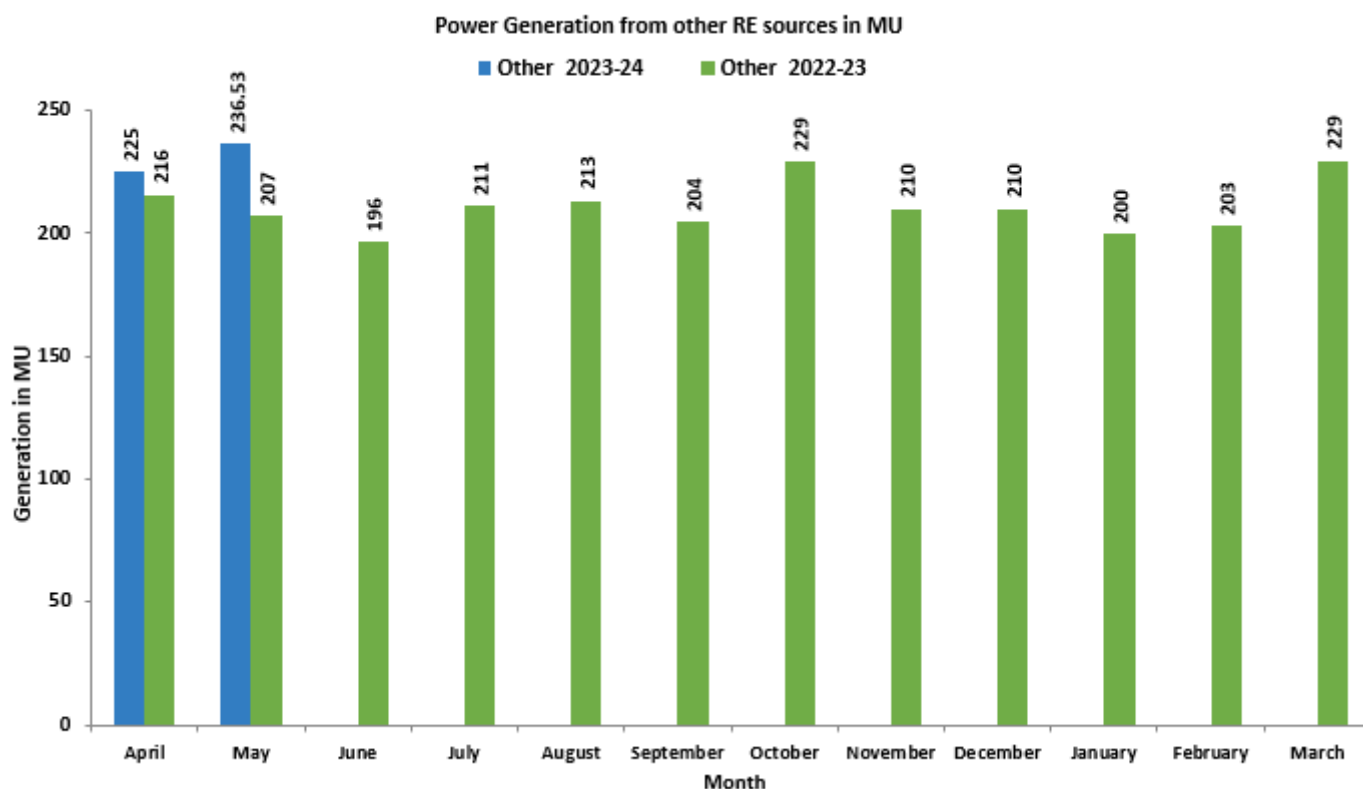


Figure 18: Month Wise Other RE (Waste Heat etc.) Power for the year 2022-23 and year 2023-24.

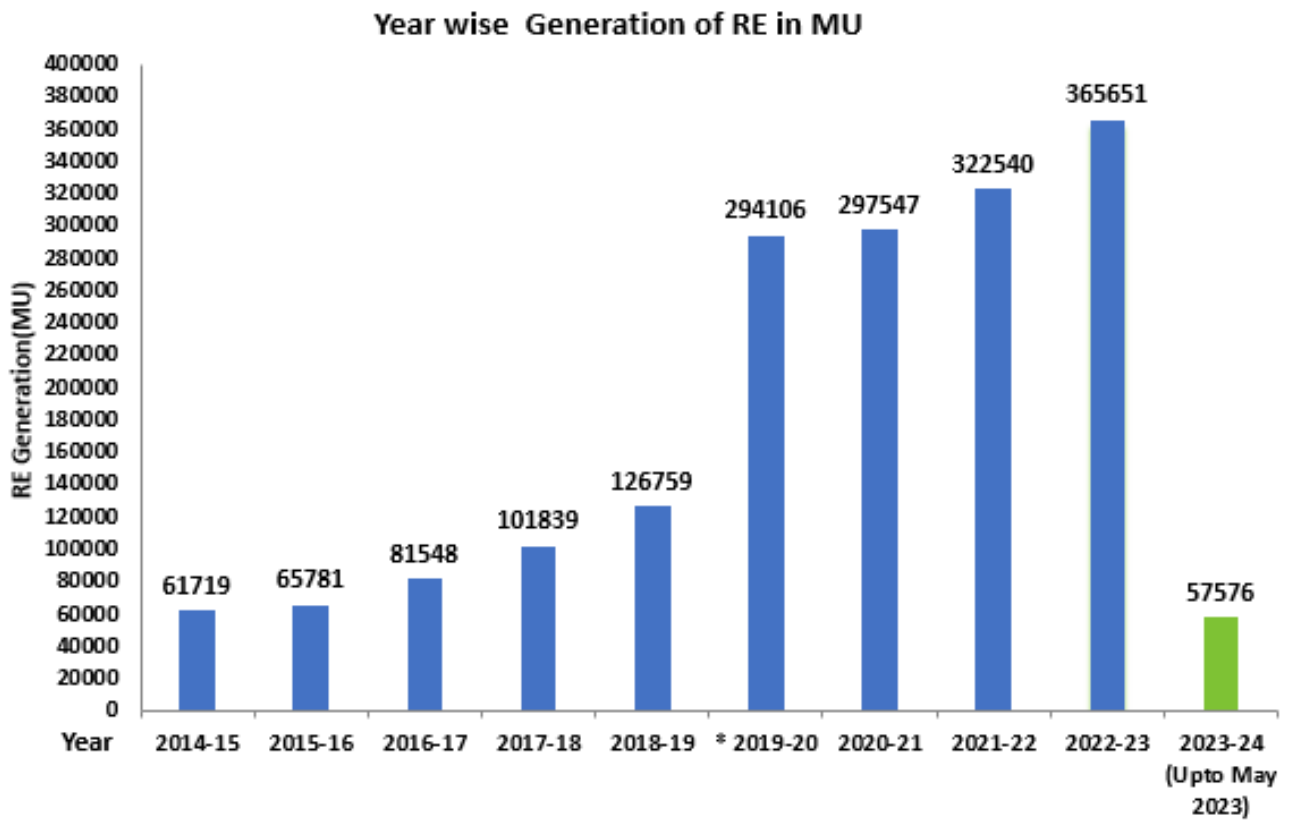


Figure 19: Year Wise RE Generation

(*) 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 (May,2023)

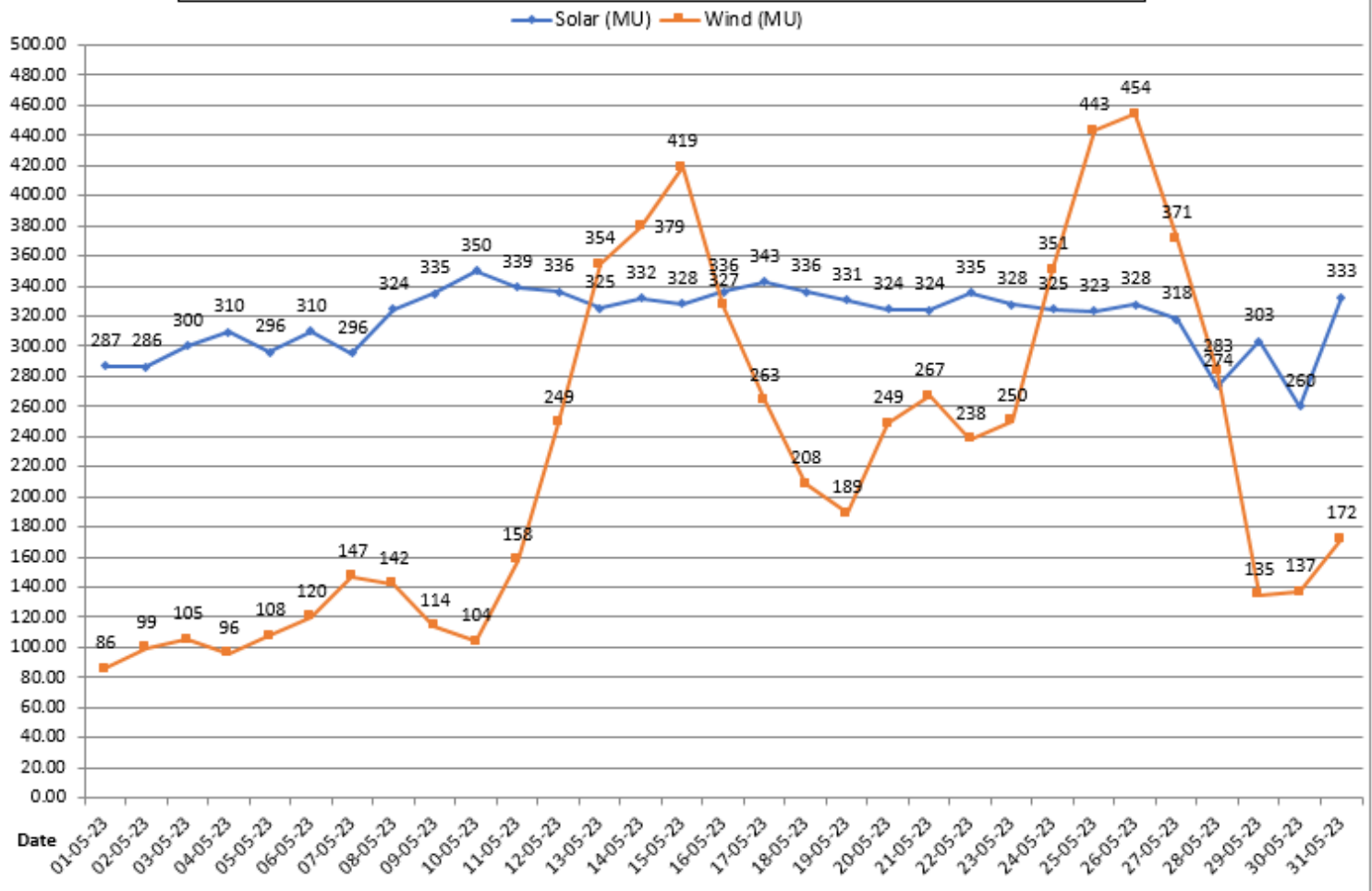


Figure 20: Daily solar and wind power generation trend in the month of May-2023

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 31.05.2023)	Installed Capacity informed to CEA (MW) (as on 31.05.2023)	RE Generation (MU) May'2023	RE Generation (MU) May'2022	% of same Month Last Year	RE Generation(MU) April'2023- May'2023	RE Generation(MU) April'2022- May'2022	% of same period Last Year
पवन/Wind	43198.98	43029.39	8117.63	10174.27	79.79	12366.83	14300.49	86.48
सौर/Solar	67821.22	*55705.16	10776.14	8827.56	122.07	21094.84	17151.49	122.99
बायोमास/Biomass	10248.01	8230.78	317.04	306.01	103.61	612.66	623.67	98.23
बगास/Bagasse			538.75	723.27	74.49	1539.07	2164.31	71.11
लघु जल विद्युत्/Small Hydro	4944.30	4201.56	727.33	644.69	112.82	1313.54	1327.09	98.98
विशाल जल विद्युत्/ Large Hydro	#	46850.17	11458.68	12880.91	88.96	20187.65	24421.87	82.66
अन्य/Others	556.53	587.62	236.53	207.21	114.15	461.64	422.78	109.19
कुल/Total	#173619.21	158604.68	32172.10	33763.92	95.29	57576.21	60411.70	95.31

(*) 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 May 2023.

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Unchahar Solar NTPC	Uttar Pradesh	Central	Solar	1.39
Dadri Solar NTPC	Uttar Pradesh	Central	Solar	0.63
Singrauli Solar NTPC	Uttar Pradesh	Central	Solar	2.05
Auraiya NTPC	Uttar Pradesh	Central	Solar	7.47
Kolayat NTPC	Rajasthan	Central	Solar	92.44
Nokhra NTPC	Rajasthan	Central	Solar	61.56
Devikot NTPC	Rajasthan	Central	Solar	51.37
ABC Renewable Energy	Rajasthan	Private	Solar	70.81
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	Solar	56.48
Acme Heergharh Powertech Pvt Ltd	Rajasthan	Private	Solar	58.18
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	Solar	250.46
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Private	Solar	85.17
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	Solar	79.78
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	Solar	80.28
Adani Renewable Energy RJ Limited (RERJL)	Rajasthan	Private	Solar	43.71
Adani Jaisalmer One SEPL Solar	Rajasthan	Private	Solar	102.43
Adani SB Energy Four Pvt. Ltd.(SE4PL(Kilaj Solar))	Rajasthan	Private	Solar	11.68
M/S Adani Solar Energy Four PVT. LTD.L(SB Energy)	Rajasthan	Private	Solar	0.00
Adani SB Energy Four Pvt. Ltd. (SB Energy Six)	Rajasthan	Private	Solar	0.00
Avaada Sunrays Energy Private Limited	Rajasthan	Private	Solar	73.41
Avaada RJHN Private Limited	Rajasthan	Private	Solar	52.24
Avaada Sunce Energy Private Limited	Rajasthan	Private	Solar	75.85
Avaada Sustainable RJ Project Private Ltd.	Rajasthan	Private	Solar	66.39
Ayana Renewable Power One Private Limited	Rajasthan	Private	Solar	71.91
Azure Power Forty One Private Limited	Rajasthan	Private	Solar	66.94
Azure Power Forty Three Private Ltd	Rajasthan	Private	Solar	134.25
Azure Power India Pvt Ltd	Rajasthan	Private	Solar	39.02
Azure Power Maple Pvt Ltd	Rajasthan	Private	Solar	57.53

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Azure Power Thirty Four Private Ltd	Rajasthan	Private	Solar	26.90
Clean Solar Power (Jodhpur) Pvt Ltd	Rajasthan	Private	Solar	56.81
Clean Solar Power (Bhadla) Pvt Ltd	Rajasthan	Private	Solar	69.39
Eden Renewable Cite Private Limited	Rajasthan	Private	Solar	71.41
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	Solar	12.05
Mahindra Renewable Private Limited	Rajasthan	Private	Solar	57.31
Mega Surya Urja Pvt. Ltd	Rajasthan	Private	Solar	57.07
Nindan Solar Fatehgar	Rajasthan	Private	Solar	70.00
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Rajasthan	Private	Solar	70.39
Renew Solar Power Pvt Ltd	Rajasthan	Private	Solar	11.61
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	Solar	55.84
Renew Solar Urja Pvt Ltd	Rajasthan	Private	Solar	68.92
Renew Sun Bright Pvt Ltd	Rajasthan	Private	Solar	69.67
Renew Sun Waves Private Limited	Rajasthan	Private	Solar	69.67
Renew Surya Ravi Pvt Ltd	Rajasthan	Private	Solar	65.65
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	Solar	50.53
Tata Power Green Energy Limited	Rajasthan	Private	Solar	48.78
Tata Power Renewable Energy Ltd	Rajasthan	Private	Solar	60.56
Thar Surya1 Private Limited	Rajasthan	Private	Solar	66.10
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	Wind	41.74
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Private	Wind	29.77
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	Wind	26.59
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	Wind	26.76
Adani Jaisalmer One SEPL Wind	Rajasthan	Private	Wind	31.17
Northern Region Total				2908.12
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	Solar	50.10
Mahindra Solar (Badwar)	Madhya Pradesh	Private	Solar	50.63
Electro Solaire Private Limited (ESPL RSP Solar)	Gujarat	Private	Solar	48.42
Tata Power Renewable Energy Limited (TPREL RSP Solar)	Gujarat	Private	Solar	24.07
Gujarat Industries Power Company Limited (GIPCL RSP Solar)	Gujarat	Private	Solar	24.37
Powerica Wind	Gujarat	Private	Solar	16.61

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
NTPC Kawas	Gujarat	Central	Solar	10.36
Gujarat State Electricity Corporation Limited (GSECL)	Gujarat	Private	Solar	16.52
Athena Solar	Gujarat	Private	Solar	51.89
Gandhar_Solar	Gujarat	Private	Solar	3.05
Adani Wind Energy Kutchh Four Limited (AWEK4L)	Gujarat	Private	Wind	32.86
Adani Wind Energy Kutchh One Limited Ratadiya (AWEKL1L)	Gujarat	Private	Wind	201.90
Adani Wind Energy MP One Private Limited (AWEMP1PL)	Gujarat	Private	Wind	88.72
Alfnar Wind (Nanavalka)	Gujarat	Private	Wind	107.72
Continuum Power Trading (TN) Private Limited (CPTTNPL)	Gujarat	Private	Wind	
Green Infra Wind Energy Limited SECI-II (Giwel-II Wind (Vadva))	Gujarat	Private	Wind	85.03
Green Infra Wind Energy Limited SECI-III (Giwel-III Wind (Naranpar))	Gujarat	Private	Wind	105.08
Inox Green Energy Services Limited (IWISL Wind (Dayapar))	Gujarat	Private	Wind	0.00
Ostro Energy Private Limited (OEPL)	Gujarat	Private	Wind	0.00
Ostro Kutch Wind Private Limited (OKWPL)	Gujarat	Private	Wind	99.20
Renew Wind Energy (AP2) Private Limited (Ghadsisa)	Gujarat	Private	Wind	103.47
Avikiran Solar India Private Limited (ASIPL), Baranda	Gujarat	Private	Wind	65.00
Renew Wind (Bhuvad)	Gujarat	Private	Wind	0.00
SITAC	Gujarat	Private	Wind	112.11
SRIJAN	Gujarat	Private	Wind	27.97
Western Region Total				1325.08
Beetam(Tuticorin)	Tamil Nadu	Private	Wind	26.29
GRTJIPL	Tamil Nadu	Private	Wind	28.20
Mytra	Tamil Nadu	Private	Wind	20.18
Orange	Tamil Nadu	Private	Wind	18.75

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Green Infra	Tamil Nadu	Private	Wind	23.56
Hiriyur Ostro	Tamil Nadu	Private	Wind	56.54
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	Wind	33.70
JSW Renew Energy Two Limited (Tuticorin)	Tamil Nadu	Private	Wind	13.70
Ettayapuram	Tamil Nadu	Central	Solar	40.85
RSTP Floating Solar	Andhra Pradesh	Central	Solar	19.74
Simhadri Floating Solar	Andhra Pradesh	Central	Solar	4.63
Adani Seven	Andhra Pradesh	Private	Solar	55.94
Athena Biwadi	Andhra Pradesh	Private	Solar	10.58
Athena Hisar	Andhra Pradesh	Private	Solar	10.48
Athena Karnal	Andhra Pradesh	Private	Solar	10.72
Ayana	Andhra Pradesh	Private	Solar	55.29
Azure	Andhra Pradesh	Private	Solar	8.89
IGS1 (Previously FRV)	Andhra Pradesh	Private	Solar	10.09
IGS2 (Previously FRV2)	Andhra Pradesh	Private	Solar	10.89
NTPC	Andhra Pradesh	Central	Solar	35.86
Sprng Agnitra	Andhra Pradesh	Private	Solar	53.65
Tata	Andhra Pradesh	Private	Solar	84.09
Adyah10	Karnataka	Private	Solar	65.74
Adyah13	Karnataka	Private	Solar	
Adyah1	Karnataka	Private	Solar	
Adyah2	Karnataka	Private	Solar	
Adyah3	Karnataka	Private	Solar	
Adyah6	Karnataka	Private	Solar	
Amplus	Karnataka	Private	Solar	10.67
Avaada	Karnataka	Private	Solar	31.21
Avaada Solarise	Karnataka	Private	Solar	31.16
Azure Power Earth	Karnataka	Private	Solar	22.63
Fortum Finsurya	Karnataka	Private	Solar	18.70
Fortum	Karnataka	Private	Solar	53.70
Karanataka Renewable Energy Development Limited (Kredl)	Karnataka	Private	Solar	9.94
Parampujya	Karnataka	Private	Solar	31.56
Renew TN2	Karnataka	Private	Solar	10.91

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
SBG Energy	Karnataka	Private	Solar	0.00
Tata Renewables	Karnataka	Private	Solar	84.09
Yarrow	Karnataka	Private	Solar	10.40
Southern Region Total				1013.33
All India Total				5246.53

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) May'2023	RE Generation (MU) May'2022	RE Generation (MU) April 2023- May 2023	RE Generation (MU) April 2022- May 2022
NTPC							
Faridabad	Haryana	5.00	Solar	0.65	0.59	1.27	1.26
Bhadla	Rajasthan	260.00	Solar	39.14	38.95	76.66	78.3
Jetsar	Rajasthan	160.00	Solar	34.90	36.62	69.18	67.1
Fatehgarh	Rajasthan	296.00	Solar	70.60	49.20	137.64	97.42
Devikot	Rajasthan	240.00	Solar	52.51	0.00	102.19	0.00
Nokhra	Rajasthan	150.00	Solar	63.32	0.00	122.94	0.00
Dadri	Uttar Pradesh	5.00	Solar	0.63	0.61	1.23	1.2
Unchahar	Uttar Pradesh	10.00	Solar	1.43	1.33	2.76	2.6
Singrauli	Uttar Pradesh	15.00	Solar	1.56	2.03	3.95	3.7
Auraiya	Uttar Pradesh	40.00	Solar	7.47	3.38	13.93	6.6
Singrauli	Uttar Pradesh	8.00	Small Hydro	3.87	2.25	7.39	5.4
Rojmal	Gujarat	50.00	Wind	12.09	17.27	18.92	28.0
Rajgarh	Madhya Pradesh	50.00	Solar	6.91	7.54	13.43	14.9
Mandsaur	Madhya Pradesh	250.00	Solar	36.96	39.53	71.13	77.1
Solapur	Maharashtra	10.00	Solar	1.76	31.79	3.40	67.3
Anantapuram	Andhra Pradesh	250.00	Solar	36.15	12.31	72.40	21.3
Ramagundam	Telangana	110.00	Solar	20.63	0.37	40.09	1.0
Andaman Nicobar	Andaman Nicobar	5.00	Solar	0.17	1.36	0.74	2.6
Talchar	Orissa	10.00	Solar	1.13	48.52	2.27	98.5

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation(MU) May'2023	RE Generation (MU) May'2022	RE Generation (MU) April 2023- May 2023	RE Generation (MU) April 2022- May 2022
Bilhaur	Uttar Pradesh	225.00	Solar	46.05	4.64	89.96	9.6
Simhadri Floating Project	Andhra Pradesh	25.00	Solar	4.55	7.52	9.45	11.1
Kayamkulam	Kerala	92.00	Solar	18.38	1.56	38.41	1.6
Kawas	Gujarat	56.00	Solar	10.31	0.00	20.79	0.0
Gandhar	Gujarat	10.00	Solar	2.86	0.00	5.23	0.0
Shambu ki Burj-I	Rajasthan	250.00	Solar	57.27	0.00	113.77	0.0
Shambu ki Burj-II	Rajasthan	150.00	Solar	34.99	0.00	69.18	0.0
Ettayapuram	Tamil Nadu	230.00	Solar	40.67	0.00	80.77	0.0
Total NTPC		2962.00		606.96	307.37	1189.08	596.57
THDC							
Patan Wind Power Project	Gujarat	50.00	Wind	10.96	13.44	16.46	20.382
Devbhumi Dwarka Wind Power Project	Gujarat	63.00	Wind	14.02	20.38	21.79	30.359
Solar Kasaragod	Kerala	50.00	Solar	9.26	6.25	18.93	14.378
Rishikesh office Premises	Uttar Pradesh	0.50	Solar	0.05	0.05	0.11	0.103
Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24.00	Small Hydro	9.07	8.27	9.07	9.62
Total THDC		187.50		43.36	48.39	66.36	74.84

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation(MU) May'2023	RE Generation (MU) May'2022	RE Generation (MU) April 2023- May 2023	RE Generation (MU) April 2022- May 2022
NHPC							
Wind Power Project	Rajasthan	50.00	Wind	8.02	13.79	13.98	20.06
Solar Power Project	Tamilnadu	50.00	Solar	8.01	7.89	17.03	16.37
Total NHPC		100.00		16.03	21.68	31.02	36.43
ONGC							
Wind, Bhuj	Gujarat	51.00	Wind	0.00	6.25	5.02	68.44
Wind, Jaisalmer	Rajasthan	102.00	Wind	17.59	9.52	27.20	118.74
Solar, Goa	Goa	1.00	Solar	0.00	0.13	0.15	1.08
Solar, Hazira	Gujarat	10.00	Solar	0.03	1.35	1.54	11.88
Solar, Hazira	Gujarat	5.00	Solar	0.00	0.10	0.72	0.10
Solar, Ankleshwar	Gujarat	5.00	Solar	0.00	0.84	0.82	7.47
Solar,Rajahmundry	Andhra Pradesh	1.00	Solar	0.60	0.10	0.72	0.83
ONGC Solar, SPP of Assam	Assam	1.09	Solar	0.00	0.13	0.13	1.24
Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.95	0.51	1.59	5.43
Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.00	0.41	0.48	4.26
Solar, Assam (RTS)	Assam	1.65	Solar	0.00	0.13	0.15	1.40

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation(MU) May'2023	RE Generation (MU) May'2022	RE Generation (MU) April 2023- May 2023	RE Generation (MU) April 2022- May 2022
Solar, Uttarakhand (RTS)	Uttarakhand	1.24	Solar	0.00	0.10	0.15	1.21
Solar, Agartala asset	Tripura	0.25	Solar	0.00	0.02	0.02	0.23
Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.11	0.00	0.11	0.03
Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.00	0.01	0.01	0.06
Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.02	0.04	0.25
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
Total ONGC		189.05		19.28	19.62	38.89	222.66
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	5.13	0.83	7.16	48.25
Sadla Wind Power	Gujarat	50.00	Wind	13.83	9.06	21.18	82.02
Charanka Solar Power	Gujarat	5.60	Solar	0.87	0.83	1.73	7.00
Wadhal Solar Power Project	Gujarat	1.00	Solar	0.12	0.07	0.25	1.11

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation(MU) May'2023	RE Generation (MU) May'2022	RE Generation (MU) April 2023- May 2023	RE Generation (MU) April 2022- May 2022
Parasan Solar Power	Gujarat	75.00	Solar	16.55	9.46	31.92	21.70
Total SJVN		179.20		36.49	20.25	62.23	160.08
Oil India Ltd							
Oil India Ltd	Rajasthan	14.00	Solar	2.34	2.28	4.44	4.51
Oil India Ltd	Rajasthan	67.60	Wind	6.52	13.74	11.62	19.36
Oil India Ltd	Gujarat	43.30	Wind	10.36	13.00	18.30	21.29
Oil India Ltd	Madhya Pradesh	63.20	Wind	7.36	17.96	18.62	25.03
Total Oil India Ltd		188.10		26.58	46.98	52.98	70.18
NEEPCO							
NEEPCO	Tripura	5.00	Solar	0.54	0.53	0.54	1.12
DVC							
DVC	West Bangal	0.08	Solar	0.01	0.01	0.01	0.02
DVC	Jharkhand	4.00	Small Hydro	0.00	0.00	0.00	0.00
Total DVC		4.08		0.01	0.01	0.01	0.02
All India Total		3814.93		749.26	464.84	1441.11	1161.90

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 May 2023					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Northern Region					
ABC RENEWABLE ENERGY	Solar	72.78	70.81	-1.97	-2.71
Acme Heergharh Powertech Pvt Ltd	Solar	54.35	58.18	3.83	7.05
Acme Chittorgarh Energy Pvt Ltd.	Solar	55.10	56.48	1.38	2.51
Adani Hybrid Energy Jaisalmer One Limited	Solar	117.13	114.94	-2.19	-1.87
Adani Hybrid Energy Jaisalmer Four Limited	Solar	296.50	292.20	-4.31	-1.45
Adani Hybrid Energy Jaisalmer Three Limited	Solar	105.46	106.37	0.91	0.86
Adani Hybrid Energy Jaisalmer Two Limited	Solar	103.76	107.04	3.27	3.15
Adani Renewable Energy RJ Limited (RERJL)	Solar	45.41	43.71	-1.70	-3.74
Adani Jaisalmer One SEPL Solar	Solar	133.62	133.60	-0.02	-0.01
M/S Adani Solar Energy Jodhpur Two Ltd	Solar	11.69	12.05	0.36	3.05
Adani SB Energy Four Pvt. Ltd.(SE4PL(Kilaj Solar))	Solar	11.78	11.68	-0.11	-0.91
AURAIYA SOLAR	Solar	7.82	7.47	-0.35	-4.48
Avaada RJHN Private Limited	Solar	52.25	52.24	-0.01	-0.02
Avaada Sunce Energy Private Limited	Solar	76.66	75.85	-0.81	-1.06
Avaada Sunrays Energy Private Limited	Solar	78.65	73.41	-5.23	-6.66
Avaada Sustainable RJ Project Private Ltd.	Solar	66.14	66.39	0.24	0.37
Ayana Renewable Power One Private Limited	Solar	72.37	71.91	-0.46	-0.64
Azure Power Forty One Private Limited	Solar	65.23	66.94	1.71	2.62
Azure Power Forty Three Private Ltd	Solar	133.97	134.25	0.28	0.21
Azure Power Maple Pvt Ltd	Solar	62.12	57.53	-4.59	-7.38
Azure Power Thirty Four Private Ltd	Solar	28.04	26.90	-1.13	-4.04
Azure Power India Pvt Ltd	Solar	41.00	39.02	-1.98	-4.82
Clean Solar Power (Jodhpur) Pvt Ltd	Solar	57.99	56.81	-1.18	-2.03
Clean Solar Power (Bhadla) Pvt Ltd	Solar	71.12	69.39	-1.72	-2.42
DADRI SOLAR	Solar	0.66	0.63	-0.04	-5.62
DEVIKOT SOLAR	Solar	54.78	51.37	-3.41	-6.22

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of May 2023					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Eden Renewable Cite Private Limited	Solar	72.34	71.41	-0.94	-1.29
KOLYAT SOLAR BIKANER	Solar	93.63	92.44	-1.19	-1.27
Mahindra Renewable Private Limited	Solar	57.97	57.31	-0.65	-1.12
Mega Surya Urja Pvt. Ltd	Solar	56.31	57.07	0.76	1.35
Nindan Solar Fatehgar	Solar	70.31	70.00	-0.30	-0.43
Nokhra Solar	Solar	61.42	61.56	0.14	0.22
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Solar	71.83	70.39	-1.44	-2.01
Renew Solar Power Pvt Ltd	Solar	11.67	11.61	0.00	0.00
Renew Solar Urja Pvt Ltd	Solar	69.35	68.92	0.00	0.00
Renew Sun Bright Pvt Ltd	Solar	68.90	69.67	0.77	1.12
Renew Sun Waves Private Limited	Solar	71.45	69.67	-1.79	-2.50
Renew Surya Ravi Pvt Ltd	Solar	67.65	65.65	-2.00	-2.96
Renew Solar Power Pvt Ltd. Bikaner	Solar	56.00	55.84	-0.16	-0.28
SBSR Power Cleantech Eleven Private Limited	Solar	49.32	50.53	1.22	2.47
SINGRAULI SOLAR	Solar	2.32	2.05	-0.27	-11.80
Tata Power Green Energy Limited	Solar	52.43	48.78	-3.65	-6.96
Tata Power Renewable Energy Ltd	Solar	63.11	60.56	-2.55	-4.05
Thar Surya1 Private Limited	Solar	65.03	66.10	1.07	1.65
Unchahar Solar	Solar	1.70	1.39	-0.30	-17.74
Total Northern Region		2939.12	2908.09		
Western Region					
Alfnar Wind	Wind	109.96	107.72	-2.24	-2.04
Arinsun Solar (Barsaitadesh)	Solar	47.37	50.10	2.73	5.76
Avikiran Solar India Private Limited (AS IPL)	Wind	67.22	65.00	-2.22	-3.30
Athen_RUM	Solar	50.67	51.89	1.22	2.41
Adani Wind Energy Kutchh One Limited Ratadiya (AWEKL1L)	Wind	208.67	201.90	-6.77	-3.24
Adani Wind Energy MP One Private Limited (AWEMP1PL)	Wind	95.89	88.72	-7.17	-7.48
Electro Solaire Private Limited (ESPL RSP Solar)	Solar	48.74	48.42	-0.32	-0.66

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

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
GANDHAR_SOLAR	Solar	2.75	3.05	0.30	10.91
Gujarat Industries Power Company Limited (GIPCL RSP Solar)	Solar	24.18	24.37	0.19	0.79
Green Infra Wind Energy Limited SECI-III (Giwel-III Wind (Naranpar))	Wind	109.80	105.08	-4.72	-4.30
Green Infra Wind Energy Limited SECI-II (Giwel-II Wind (Vadva))	Wind	89.98	85.03	-4.95	-5.50
Gujarat State Electricity Corporation Limited (GSECL)	Solar	15.48	16.52	1.04	6.72
NTPC Kawas	Solar	10.87	10.36	-0.51	-4.69
Mahindra Solar (Badwar)	Solar	50.65	50.63	-0.02	-0.04
Ostro Kutch Wind Private Limited (OKWPL)	Wind	102.53	99.20	-3.33	-3.25
Powerica Wind	Wind	17.31	16.61	-0.70	-4.04
Renew Wind Energy (AP2) Private Limited (Ghadsisa)	Wind	106.71	103.47	-3.24	-3.04
SITAC Wind	Wind	111.36	112.11	0.75	0.67
SRIJAN Wind	Wind	28.52	27.97	-0.55	-1.93
Tata Power Renewable Energy Limited (TPREL RSP Solar)	Solar	23.83	24.07	0.24	1.01
Adani Wind Energy Kutchh Four Limited (AWEK4L)	Wind	34.85	32.86	-1.99	-5.71
Total Western Region		1357.34	1325.08		
Southern Region					
Beetam(Tuticorin)	Wind	34.03	23.56	-10.47	-30.77
GIREL	Wind	37.40	26.29	-11.12	-29.73
Mytra	Wind	31.98	20.18	-11.79	-36.88
Orange	Wind	30.09	18.75	-11.34	-37.69
Sprng Renewable Energy Pvt Ltd(Pugalur)	Wind	41.50	33.70	-7.80	-18.80
GRTJIPL	Wind	29.79	28.20	-1.59	-5.34
JSW Renew Energy Two Limited (Tuticorin)	Wind	16.84	13.70	-3.14	-18.65
Ostro Hiriur	Wind	64.65	56.54	-8.10	-12.54
NTPC-Ettayapuram,(Solar PV), Tuticorin	Solar	40.53	40.85	0.32	0.79
Total Southern Region		326.81	261.77		

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 May 2023

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of May 2023								
State/UT	Fossil =((1)+(2))		Non Fossil =((3)+(4)+(5))			Total Renewable (6)=((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	0.75	0.75	0.75	100.00
Delhi	0.00	232.17	0.00	0.00	49.30	49.30	281.47	17.52
Haryana	2069.98	10.41	0.00	0.00	118.52	118.52	2198.91	5.39
HP	0.00	0.00	0.00	2997.68	297.32	3295.00	3295.00	100.00
J & K	0.00	0.00	0.00	2032.89	61.02	2093.91	2093.91	100.00
Ladakh	0.00	0.00	0.00	20.16	0.00	20.16	20.16	100.00
Punjab	2589.13	0.00	0.00	319.63	473.42	793.05	3382.18	23.45
Rajasthan	4879.20	130.00	602.29	3.11	4411.38	4414.49	10025.98	50.04
Uttar Pradesh	12796.12	88.17	284.54	28.91	607.26	636.17	13805.00	6.67
Uttarakhand	0.00	121.06	0.00	964.72	77.81	1042.53	1163.59	89.60
Northern Region Total	22334.43	581.81	886.83	6367.10	6096.80	12463.90	36266.97	36.81
WESTERN REGION								
Chhattisgarh	14207.57	0.00	0.00	11.71	190.26	201.97	14409.54	1.40
Gujarat	5976.16	807.37	320.14	112.23	5094.23	5206.46	12310.13	44.89
Madhya Pradesh	12135.81	0.00	0.00	227.90	911.42	1139.32	13275.13	8.58
Maharashtra	11442.07	376.55	686.84	832.58	1398.26	2230.84	14736.30	19.80
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	2.66	2.66	2.66	100.00
Goa	0.00	0.00	0.00	0.00	6.99	6.99	6.99	100.00
Western Region Total	43761.61	1183.92	1006.98	1184.42	7603.82	8788.24	54740.75	17.89
SOUTHERN REGION								
Andhra Pradesh	6265.57	0.00	0.00	125.93	1332.13	1458.06	7723.63	18.88

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

State/UT	Fossil =((1)+(2))		Non Fossil =((3)+(4)+(5))			Total Renewable (6)=((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)			
Telangana	4696.71	0.00	0.00	54.68	694.45	749.13	5445.84	13.76
Karnataka	3748.60	0.00	596.45	921.46	2336.74	3258.20	7603.25	50.70
Kerala	0.00	0.00	0.00	677.75	161.32	839.07	839.07	100.00
Tamil Nadu	5985.73	167.31	1005.65	231.43	2133.70	2365.13	9523.82	35.39
Lakshadweep	5.88	0.00	0.00	0.00	0.01	0.01	5.89	0.13
Puducherry	0.00	20.27	0.00	0.00	1.02	1.02	21.29	4.79
Southern Region Total	20702.49	187.58	1602.10	2011.25	6659.37	8670.62	31162.79	32.96
EASTERN REGION								
Andaman Nicobar	30.66	0.00	0.00	0.00	2.96	2.96	33.62	8.81
Bihar	4754.04	0.00	0.00	0.00	28.26	28.26	4782.30	0.59
Jharkhand	2930.15	0.00	0.00	3.92	1.47	5.39	2935.54	0.18
Orissa	5999.75	0.00	0.00	401.68	101.08	502.76	6502.51	7.73
Sikkim	0.00	0.00	0.00	916.27	1.03	917.30	917.30	100.00
West Bengal	7736.03	0.00	0.00	237.78	170.37	408.15	8144.18	5.01
Eastern Region Total	21450.63	0.00	0.00	1559.65	305.18	1864.83	23315.46	8.00
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	263.52	0.25	263.77	263.77	100.00
Assam	436.33	288.05	0.00	19.06	30.16	49.22	773.60	6.36
Manipur	0.00	0.00	0.00	5.66	1.28	6.94	6.94	100.00
Meghalaya	0.00	0.00	0.00	44.24	3.94	48.18	48.18	100.00
Mizoram	0.00	0.00	0.00	2.04	8.26	10.30	10.30	100.00
Nagaland	0.00	0.00	0.00	1.73	3.82	5.55	5.55	100.00
Tripura	0.00	588.43	0.00	0.00	0.54	0.54	588.97	0.09
North Eastern Region Total	436.33	876.48	0.00	336.25	48.26	384.51	1697.32	22.65
All India Total	108685.49	2829.79	3495.91	11458.67	20713.42	32172.09	147183.28	24.23

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

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Period of April-May 2023								
State/UT	Fossil			Non Fossil		Total Renewable (6)=((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)			
	(1)							
NORTHERN REGION								
Chandigarh	0.00	0.00	0.00	0.00	2.95	2.95	2.95	100.00
Delhi	0.00	370.67	0.00	0.00	110.26	110.26	480.93	22.93
Haryana	4362.73	17.84	0.00	0.00	237.04	237.04	4617.61	5.13
HP	0.00	0.00	0.00	4830.43	483.87	5314.30	5314.30	100.00
J & K	0.00	0.00	0.00	3531.31	100.98	3632.29	3632.29	100.00
Ladakh	0.00	0.00	0.00	35.77	0.00	35.77	35.77	100.00
Punjab	5411.41	0.00	0.00	537.09	928.25	1465.34	6876.75	21.31
Rajasthan	9461.33	238.76	1216.56	6.24	8514.47	8520.71	19437.36	50.10
Uttar Pradesh	25216.23	131.60	586.04	53.94	1382.51	1436.45	27370.32	7.39
Uttarakhand	0.00	199.76	0.00	1664.47	155.62	1820.09	2019.85	90.11
Northern Region Total	44451.70	958.63	1802.60	10659.25	11915.95	22575.20	69788.13	34.93
WESTERN REGION								
Chhattisgarh	28152.59	0.00	0.00	34.03	389.64	423.67	28576.26	1.48
Gujarat	11264.59	1538.70	636.84	266.76	7739.67	8006.43	21446.56	40.30
Madhya Pradesh	24228.53	0.00	0.00	382.69	1730.73	2113.42	26341.95	8.02
Maharashtra	23085.75	609.42	1077.21	1481.01	2583.53	4064.54	28836.92	17.83
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	5.09	5.09	5.09	100.00
Goa	0.00	0.00	0.00	0.00	8.93	8.93	8.93	100.00
Western Region Total	86731.46	2148.12	1714.05	2164.49	12457.59	14622.08	105215.71	15.53
SOUTHERN REGION								
Andhra Pradesh	12359.14	0.00	0.00	242.88	2546.52	2789.40	15148.54	18.41
Telangana	9494.59	0.00	0.00	106.60	1373.82	1480.42	10975.01	13.49
Karnataka	7612.26	0.00	1251.78	2004.77	4515.86	6520.63	15384.67	50.52
Kerala	0.00	0.00	0.00	1243.44	312.15	1555.59	1555.59	100.00

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Period of April-May 2023								
State/UT	Fossil			Non Fossil		Total Renewable (6)=((4)+(5))	Grand Total (7)=((1)+(2)+(3)+(4)+(5))	Non Fossil as % of Total Generation
	Thermal (1) (1)	Gas (2)	Nuclear (3)	Large Hydro (4)	Renewable (Excluding Large Hydro) (5)			
Tamil Nadu	12985.68	336.08	2239.93	477.38	3578.07	4055.45	19617.14	32.09
Lakshadweep	11.66	0.00	0.00	0.00	0.02	0.02	11.68	0.13
Puducherry	0.00	40.75	0.00	0.00	2.04	2.04	42.79	4.77
Southern Region Total	42463.33	376.83	3491.71	4075.07	12328.48	16403.55	62735.42	31.71
EASTERN REGION								
Andaman Nicobar	61.01	0.00	0.00	0.00	5.79	5.79	66.80	8.66
Bihar	9832.35	0.00	0.00	0.00	56.53	56.53	9888.88	0.57
Jharkhand	5821.13	0.00	0.00	14.59	2.94	17.53	5838.66	0.30
Orissa	11684.39	0.00	0.00	770.41	195.86	966.27	12650.66	7.64
Sikkim	0.00	0.00	0.00	1461.52	2.06	1463.58	1463.58	100.00
West Bengal	15891.14	0.00	0.00	415.98	326.63	742.61	16633.75	4.46
Eastern Region Total	43290.02	0.00	0.00	2662.50	589.81	3252.31	46542.33	6.99
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	483.41	0.52	483.93	483.93	100.00
Assam	884.28	588.93	0.00	29.95	60.32	90.27	1563.48	5.77
Manipur	0.00	0.00	0.00	12.71	2.57	15.28	15.28	100.00
Meghalaya	0.00	0.00	0.00	84.66	8.66	93.32	93.32	100.00
Mizoram	0.00	0.00	0.00	12.47	16.52	28.99	28.99	100.00
Nagaland	0.00	0.00	0.00	3.14	7.06	10.20	10.20	100.00
Tripura	0.00	1195.46	0.00	0.00	1.08	1.08	1196.54	0.09
North Eastern Region Total	884.28	1784.39	0.00	626.34	96.74	723.08	3391.75	21.32
All India Total	217820.79	5267.97	7008.36	20187.65	37388.56	57576.21	287673.33	22.45

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

Renewable Energy (State Wise) Generation(MU) for the Month of May 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	2.95	2.95	2.95	100.00
Delhi	0.00	370.67	0.00	0.00	110.26	110.26	480.93	17.52
Haryana	4362.73	17.84	0.00	0.00	237.04	237.04	4617.61	5.39
HP	0.00	0.00	0.00	4830.43	483.87	5314.30	5314.30	100.00
J & K	0.00	0.00	0.00	3531.31	100.98	3632.29	3632.29	100.00
Ladakh	0.00	0.00	0.00	35.77	0.00	35.77	35.77	100.00
Punjab	5411.41	0.00	0.00	537.09	928.25	1465.34	6876.75	23.45
Rajasthan	9461.33	238.76	1216.56	6.24	8514.47	8520.71	19437.36	44.03
Uttar Pradesh	25216.23	131.60	586.04	53.94	1382.51	1436.45	27370.32	4.61
Uttarakhand	0.00	199.76	0.00	1664.47	155.62	1820.09	2019.85	89.60
Northern Region Total	44451.70	958.63	1802.60	10659.25	11915.95	22575.20	69788.13	34.37
WESTERN REGION								
Chhattisgarh	28152.59	0.00	0.00	34.03	389.64	423.67	28576.26	1.40
Gujarat	11264.59	1538.70	636.84	266.76	7739.67	8006.43	21446.56	42.29
Madhya Pradesh	24228.53	0.00	0.00	382.69	1730.73	2113.42	26341.95	8.58
Maharashtra	23085.75	609.42	1077.21	1481.01	2583.53	4064.54	28836.92	15.14
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	5.09	5.09	5.09	100.00
Goa	0.00	0.00	0.00	0.00	8.93	8.93	8.93	100.00
Western Region Total	86731.46	2148.12	1714.05	2164.49	12457.59	14622.08	105215.71	16.05
SOUTHERN REGION								
Andhra Pradesh	12359.14	0.00	0.00	242.88	2546.52	2789.40	15148.54	18.88
Telangana	9494.59	0.00	0.00	106.60	1373.82	1480.42	10975.01	13.76
Karnataka	7612.26	0.00	1251.78	2004.77	4515.86	6520.63	15384.67	42.85
Kerala	0.00	0.00	0.00	1243.44	312.15	1555.59	1555.59	100.00

Renewable Energy (State Wise) Generation(MU) for the Month of May 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)			
Tamil Nadu	12985.68	336.08	2239.93	477.38	3578.07	4055.45	19617.14	24.83
Lakshadweep	11.66	0.00	0.00	0.00	0.02	0.02	11.68	0.13
Puducherry	0.00	40.75	0.00	0.00	2.04	2.04	42.79	4.79
Southern Region Total	42463.33	376.83	3491.71	4075.07	12328.48	16403.55	62735.42	27.82
EASTERN REGION								
Andaman Nicobar	61.01	0.00	0.00	0.00	5.79	5.79	66.80	8.81
Bihar	9832.35	0.00	0.00	0.00	56.53	56.53	9888.88	0.59
Jharkhand	5821.13	0.00	0.00	14.59	2.94	17.53	5838.66	0.18
Orissa	11684.39	0.00	0.00	770.41	195.86	966.27	12650.66	7.73
Sikkim	0.00	0.00	0.00	1461.52	2.06	1463.58	1463.58	100.00
West Bengal	15891.14	0.00	0.00	415.98	326.63	742.61	16633.75	5.01
Eastern Region Total	43290.02	0.00	0.00	2662.50	589.81	3252.31	46542.33	8.00
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	483.41	0.52	483.93	483.93	100.00
Assam	884.28	588.93	0.00	29.95	60.32	90.27	1563.48	6.36
Manipur	0.00	0.00	0.00	12.71	2.57	15.28	15.28	100.00
Meghalaya	0.00	0.00	0.00	84.66	8.66	93.32	93.32	100.00
Mizoram	0.00	0.00	0.00	12.47	16.52	28.99	28.99	100.00
Nagaland	0.00	0.00	0.00	3.14	7.06	10.20	10.20	100.00
Tripura	0.00	1195.46	0.00	0.00	1.08	1.08	1196.54	0.09
North Eastern Region Total	884.28	1784.39	0.00	626.34	96.74	723.08	3391.75	22.65
All India Total	217820.79	5267.97	7008.36	20187.65	37388.56	57576.21	287673.33	21.86

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

Renewable Energy (State Wise Generation(MU) for the Period of April-May 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	2.95	2.95	2.95	100.00
Delhi	0.00	370.67	0.00	0.00	110.26	110.26	480.93	22.93
Haryana	4362.73	17.84	0.00	0.00	237.04	237.04	4617.61	5.13
HP	0.00	0.00	0.00	4830.43	483.87	5314.30	5314.30	100.00
J & K	0.00	0.00	0.00	3531.31	100.98	3632.29	3632.29	100.00
Ladakh	0.00	0.00	0.00	35.77	0.00	35.77	35.77	100.00
Punjab	5411.41	0.00	0.00	537.09	928.25	1465.34	6876.75	21.31
Rajasthan	9461.33	238.76	1216.56	6.24	8514.47	8520.71	19437.36	43.84
Uttar Pradesh	25216.23	131.60	586.04	53.94	1382.51	1436.45	27370.32	5.25
Uttarakhand	0.00	199.76	0.00	1664.47	155.62	1820.09	2019.85	90.11
Northern Region Total	44451.70	958.63	1802.60	10659.25	11915.95	22575.20	69788.13	32.35
WESTERN REGION								
Chhattisgarh	28152.59	0.00	0.00	34.03	389.64	423.67	28576.26	1.48
Gujarat	11264.59	1538.70	636.84	266.76	7739.67	8006.43	21446.56	37.33
Madhya Pradesh	24228.53	0.00	0.00	382.69	1730.73	2113.42	26341.95	8.02
Maharashtra	23085.75	609.42	1077.21	1481.01	2583.53	4064.54	28836.92	14.09
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	5.09	5.09	5.09	100.00
Goa	0.00	0.00	0.00	0.00	8.93	8.93	8.93	100.00
Western Region Total	86731.46	2148.12	1714.05	2164.49	12457.59	14622.08	105215.71	13.90
SOUTHERN REGION								
Andhra Pradesh	12359.14	0.00	0.00	242.88	2546.52	2789.40	15148.54	18.41
Telangana	9494.59	0.00	0.00	106.60	1373.82	1480.42	10975.01	13.49
Karnataka	7612.26	0.00	1251.78	2004.77	4515.86	6520.63	15384.67	42.38

Renewable Energy (State Wise Generation(MU) for the Period of April-May 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	1243.44	312.15	1555.59	1555.59	100.00
Tamil Nadu	12985.68	336.08	2239.93	477.38	3578.07	4055.45	19617.14	20.67
Lakshadweep	11.66	0.00	0.00	0.00	0.02	0.02	11.68	0.13
Puducherry	0.00	40.75	0.00	0.00	2.04	2.04	42.79	4.77
Southern Region Total	42463.33	376.83	3491.71	4075.07	12328.48	16403.55	62735.42	26.15
EASTERN REGION								
Andaman Nicobar	61.01	0.00	0.00	0.00	5.79	5.79	66.80	8.66
Bihar	9832.35	0.00	0.00	0.00	56.53	56.53	9888.88	0.57
Jharkhand	5821.13	0.00	0.00	14.59	2.94	17.53	5838.66	0.30
Orissa	11684.39	0.00	0.00	770.41	195.86	966.27	12650.66	7.64
Sikkim	0.00	0.00	0.00	1461.52	2.06	1463.58	1463.58	100.00
West Bengal	15891.14	0.00	0.00	415.98	326.63	742.61	16633.75	4.46
Eastern Region Total	43290.02	0.00	0.00	2662.50	589.81	3252.31	46542.33	6.99
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	483.41	0.52	483.93	483.93	100.00
Assam	884.28	588.93	0.00	29.95	60.32	90.27	1563.48	5.77
Manipur	0.00	0.00	0.00	12.71	2.57	15.28	15.28	100.00
Meghalaya	0.00	0.00	0.00	84.66	8.66	93.32	93.32	100.00
Mizoram	0.00	0.00	0.00	12.47	16.52	28.99	28.99	100.00
Nagaland	0.00	0.00	0.00	3.14	7.06	10.20	10.20	100.00
Tripura	0.00	1195.46	0.00	0.00	1.08	1.08	1196.54	0.09
North Eastern Region Total	884.28	1784.39	0.00	626.34	96.74	723.08	3391.75	21.32
All India Total	217820.79	5267.97	7008.36	20187.65	37388.56	57576.21	287673.33	20.01

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

RE generation(MUs) data (source wise) for the month of May 2023 and May 2022														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22
NORTHERN REGION														
Chandigarh	0.00	0.00	0.75	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	32.09	21.83	0.00	0.00
Haryana	0.00	0.00	57.14	63.04	24.27	29.70	25.62	20.96	6.36	22.16	5.13	4.55	0.00	0.00
Himachal Pradesh	0.00	0.00	5.71	5.09	0.00	0.00	0.00	0.00	291.61	181.17	0.00	0.00	2997.68	3563.11
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.02	39.52	0.00	0.00	2032.89	2116.53
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	20.16	40.07
Punjab	0.00	0.00	351.81	188.22	51.51	45.84	13.72	7.72	56.38	39.26	0.00	0.00	319.63	276.42
Rajasthan	881.21	1092.60	3499.54	2920.32	30.63	29.42	0.00	0.00	0.00	0.10	0.00	0.00	3.11	44.76
Uttar Pradesh	0.00	0.00	414.58	331.02	3.70	8.08	155.57	146.15	13.36	21.43	20.06	0.00	28.91	50.53
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	964.72	1341.57
Northern Region	881.21	1092.60	4374.39	3558.22	110.11	113.04	215.62	195.54	458.18	333.09	57.28	26.38	6367.10	7432.99
WESTERN REGION														
Chhattisgarh	0.00	0.00	40.36	46.10	144.66	120.58	2.42	0.00	2.83	3.18	0.00	0.00	11.71	10.35
Gujarat	3649.99	2843.95	1428.45	925.93	0.00	0.00	0.00	0.79	15.79	12.37	0.00	0.00	112.23	165.34
Madhya Pradesh	506.69	722.52	365.63	419.26	7.93	5.19	0.00	5.29	28.66	10.53	2.51	4.25	227.90	184.01
Maharashtra	656.56	1052.63	566.13	348.07	28.05	23.21	98.05	334.84	49.47	59.55	0.00	0.05	832.58	717.86
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	1.60	4.87	1.06	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 May 2023 and May 2022														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22
Western Region	4813.25	4619.10	2408.47	1744.64	181.70	149.78	100.47	340.92	96.74	85.62	3.20	4.73	1184.42	1077.56
SOUTHERN REGION														
Andhra Pradesh	524.25	939.36	768.36	673.60	1.00	8.11	0.59	8.79	13.97	10.66	23.96	22.33	125.93	114.88
Telangana	17.58	25.13	662.08	628.04	0.29	4.30	0.00	0.46	2.75	0.41	11.76	14.71	54.68	46.20
Karnataka	739.07	1111.42	1401.19	1321.06	7.89	13.24	134.96	121.38	53.63	99.98	0.00	0.00	921.46	1070.66
Kerala	11.18	12.21	101.00	47.52	0.00	0.00	7.10	3.91	42.04	58.49	0.00	0.00	677.75	602.71
Tamil Nadu	1131.09	2374.45	922.32	730.91	8.41	10.82	68.13	52.27	3.75	5.52	0.00	0.00	231.43	242.19
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	2423.17	4462.57	3855.97	3402.17	17.59	36.47	210.78	186.80	116.14	175.06	35.72	37.04	2011.25	2076.64
EASTERN REGION														
Andaman Nicobar	0.00	0.00	2.86	2.69	0.00	0.00	0.00	0.00	0.10	0.73	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	16.37	16.43	0.00	0.00	11.89	0.00	0.00	0.00	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	3.92	7.53
Orissa	0.00	0.00	74.11	67.39	7.64	6.71	0.00	0.00	19.32	16.16	0.00	0.00	401.68	325.60
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	916.27	1025.30
West Bengal	0.00	0.00	13.31	11.61	0.00	0.00	0.00	0.00	17.36	15.66	139.70	139.06	237.78	281.07
Eastern Region	0.00	0.00	108.13	99.98	7.64	6.71	11.89	0.00	37.81	33.58	139.70	139.06	1559.65	1639.50

RE generation(MUs) data (source wise) for the month of May 2023 and May 2022														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22	May'23	May'22
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	0.20	4.19	0.00	0.00	0.00	0.00	0.05	0.42	0.00	0.00	263.52	434.69
Assam	0.00	0.00	27.51	16.81	0.00	0.00	0.00	0.00	2.65	4.82	0.00	0.00	19.06	34.14
Manipur	0.00	0.00	0.67	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	5.66	60.48
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.94	4.26	0.00	0.00	44.24	108.41
Mizoram	0.00	0.00	0.27	0.33	0.00	0.00	0.00	0.00	7.99	0.00	0.00	0.00	2.04	2.82
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.82	7.83	0.00	0.00	1.73	13.68
Tripura	0.00	0.00	0.54	0.53	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	29.18	22.55	0.00	0.00	0.00	0.00	18.46	17.33	0.62	0.00	336.25	654.22
All India Total	8117.63	10174.27	10776.14	8827.56	317.04	306.01	538.75	723.27	727.33	644.69	236.53	207.21	11458.68	12880.91

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

RE generation(MUs) data (source wise) for the period of April-May 2023 and April-May 2022														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22
NORTHERN REGION														
Chandigarh	0.00	0.00	2.95	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Delhi	0.00	0.00	34.42	42.68	0.00	0.00	0.00	0.00	0.00	0.00	75.84	43.64	0.00	0
Haryana	0.00	0.00	114.28	126.08	48.54	59.40	51.24	41.92	12.72	44.32	10.26	9.10	0.00	0
Himachal Pradesh	0.00	0.00	10.82	11.66	0.00	0.00	0.00	0.00	473.05	380.72	0.00	0.00	4830.43	6010.28
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.98	82.76	0.00	0.00	3531.31	3814.03
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	35.77	58.31
Punjab	0.00	0.00	690.46	353.64	104.55	96.95	40.62	39.15	92.63	98.43	0.00	0.00	537.09	506.4
Rajasthan	1557.77	1560.06	6894.73	5509.88	61.97	62.38	0.00	0.00	0.00	0.20	0.00	0.00	6.24	55.58
Uttar Pradesh	0.00	0.00	791.41	663.99	9.37	16.23	534.22	543.45	20.76	29.32	26.76	7.90	53.94	119.37
Uttarakhand	0.00	0.00	55.30	55.30	0.00	0.00	41.42	41.42	58.90	58.90	0.00	0.00	1664.47	2388.14
Northern Region	1557.77	1560.06	8594.36	6766.28	224.43	234.96	667.49	665.94	759.04	694.64	112.85	60.64	10659.25	12952.11
WESTERN REGION														
Chhattisgarh	0.00	0.00	112.46	89.60	264.06	243.69	4.33	0.60	8.79	10.04	0.00	0.00	34.03	48.83
Gujarat	5128.24	4488.44	2575.97	1767.58	0.00	0.00	0.00	2.86	35.46	27.49	0.00	2.24	266.76	339.38
Madhya Pradesh	948.94	1204.24	692.79	841.85	16.90	5.36	9.93	21.94	56.86	22.90	5.31	7.58	382.69	567.09
Maharashtra	1044.08	1440.07	1068.62	665.26	53.98	52.18	297.43	877.53	119.41	136.44	0.01	0.13	1481.01	1557.61
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	3.23	11.58	1.86	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Goa	0.00	0.00	7.80	0.84	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.85	0.00	0
Western Region	7121.26	7132.74	4460.87	3376.72	336.80	303.65	311.70	902.93	220.53	196.87	6.44	10.79	2164.49	2512.91

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

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22
SOUTHERN REGION														
Andhra Pradesh	890.08	1300.76	1568.55	1459.91	5.20	15.85	6.38	38.56	26.96	27.76	49.35	42.10	242.88	288.38
Telangana	36.69	41.10	1296.46	1229.99	0.33	10.84	11.43	7.15	5.56	3.99	23.36	29.62	106.60	116.1
Karnataka	1235.80	1514.43	2806.69	2551.03	13.27	24.74	359.39	413.72	100.71	178.61	0.00	0.00	2004.77	2462
Kerala	15.33	16.57	204.13	103.63	0.00	0.00	14.22	6.34	78.46	120.57	0.00	0.00	1243.44	1378.26
Tamil Nadu	1509.89	2734.84	1892.50	1431.92	18.97	19.75	144.68	129.67	12.03	13.54	0.00	0.00	477.38	483.34
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
Puducherry	0.00	0.00	2.04	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Southern Region	3687.80	5607.69	7770.38	6778.54	37.77	71.17	536.09	595.44	223.73	344.46	72.71	71.72	4075.07	4728.08
EASTERN REGION														
Andaman Nicobar	0.00	0.00	5.67	5.38	0.00	0.00	0.00	0.00	0.11	1.46	0.00	0.00	0.00	0
Bihar	0.00	0.00	32.74	32.28	0.00	0.00	23.78	0.00	0.00	0.00	0.00	0.00	0.00	0
Jharkhand	0.00	0.00	2.94	3.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.59	14.7
Orissa	0.00	0.00	143.07	129.01	13.65	13.89	0.00	0.00	39.14	32.00	0.00	0.00	770.41	810
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.00	0.00	1461.52	1898.19
West Bengal	0.00	0.00	26.44	21.96	0.00	0.00	0.00	0.00	31.78	28.04	268.41	279.62	415.98	521.12
Eastern Region	0.00	0.00	210.86	192.35	13.65	13.89	23.78	0.00	73.09	63.56	268.41	279.62	2662.50	3244.01

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

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy etc.)		Large Hydro	
	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22	April'23-May'23	April'22-May'22
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	0.39	8.38	0.00	0.00	0.00	0.00	0.14	0.84	0.00	0.00	483.41	666.25
Assam	0.00	0.00	55.02	26.09	0.00	0.00	0.00	0.00	5.30	7.23	0.00	0.00	29.95	46.68
Manipur	0.00	0.00	1.34	1.35	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	12.71	72
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.66	8.52	0.00	0.00	84.66	177.84
Mizoram	0.00	0.00	0.53	0.66	0.00	0.00	0.00	0.00	15.99	0.00	0.00	0.00	12.47	6.27
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.06	10.96	0.00	0.00	3.14	15.72
Tripura	0.00	0.00	1.08	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
North Eastern Region	0.00	0.00	58.36	37.60	0.00	0.00	0.00	0.00	37.15	27.55	1.23	0.00	626.34	984.76
All India Total	12366.83	14300.49	21094.84	17151.49	612.66	623.67	1539.07	2164.31	1313.54	1327.09	461.64	422.78	20187.65	24421.87



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