



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

January-2024/ जनवरी -2024

नवीकरणीय परियोजना प्रबोधन प्रभाग
Renewable Project Monitoring Division

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Highlights of RE GENERATION

1. RE capacity addition during January 2024 has been 1248.18 MW (Solar – 988.03 MW, Wind – 232.99 MW, Small Hydro-8.00 MW, Large Hydro-18.00 MW and Others-1.16 MW).
2. RE generation during January 2024 has decreased by 13.11 % as compared to January 2023.
3. Large Hydro Power generation during January 2024 as compared to January 2023 has decreased by 21.22 %.
4. Solar Power generation during January 2024 as compared to January 2023 has decreased by 3.03 %.
5. Wind Power generation during January 2024 as compared to January 2023 has decreased by 18.72 %.
6. Biomass Power generation during January 2024 as compared to January 2023 has decreased by 7.57%.
7. Bagasse power generation during January 2024 as compared to January 2023 has decreased by 13.02%.
8. Others (Waste to Energy) Power generation has increased by 11.59 % during January 2024 as compared to January 2023 on All India basis except Uttar Pradesh ,Madhya Pradesh etc.
9. Small Hydro Power generation during January 2024 as compared to January 2023 has decreased by 24.34 %.
10. The generation from ISGS stations (Solar and wind plants) for the month of January 2024 is 3517.75 MUs which is 15.69 % of the Monthly RE generation during the month.
11. The generation from CPSUs for the month of January 2024 is 559.25 MUs which is 2.49 % of the Monthly RE generation during the month.

All India RE Capacity Addition

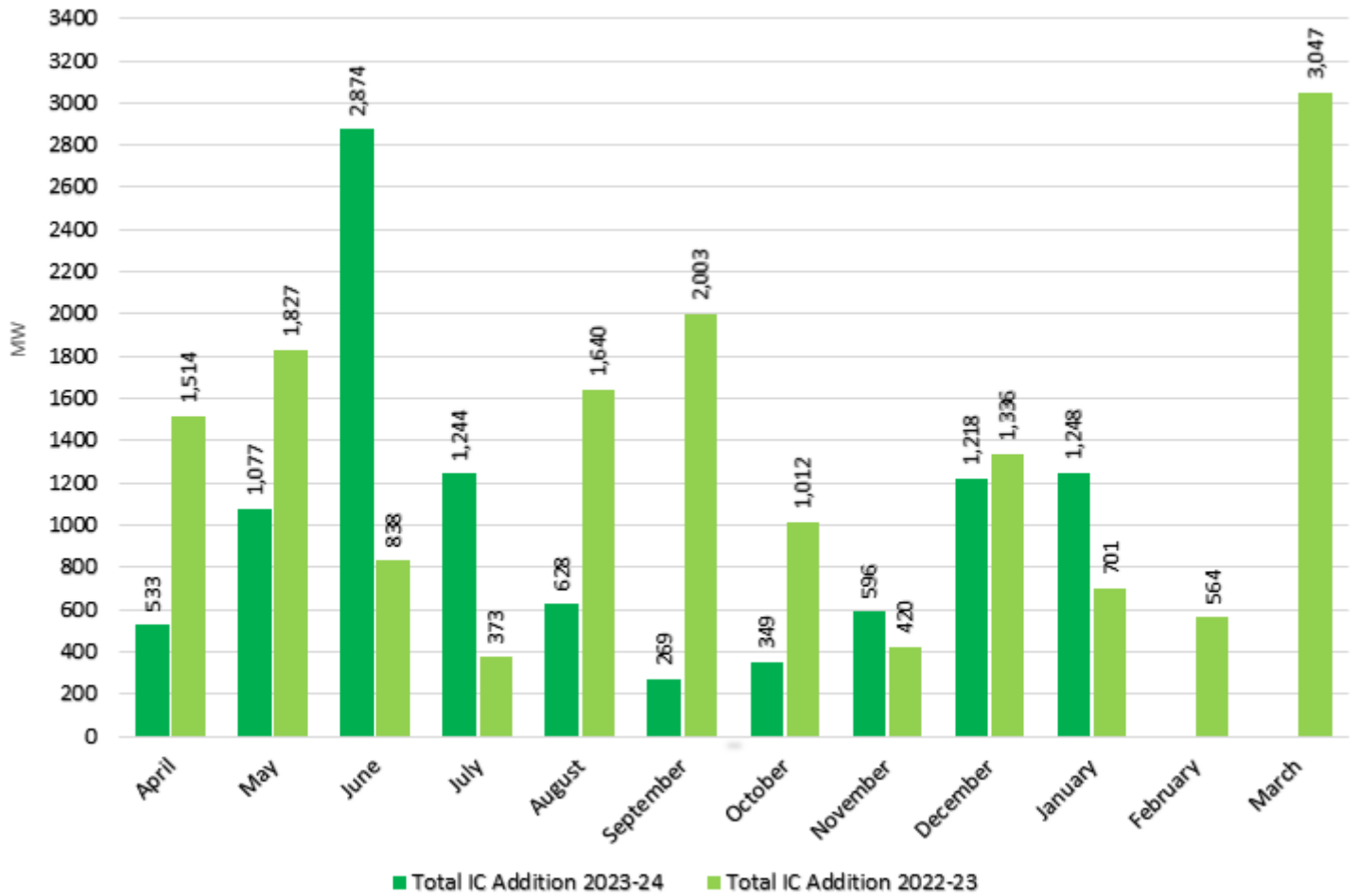


Figure 1: All India Month wise RE Capacity Addition

Month wise Solar IC addition

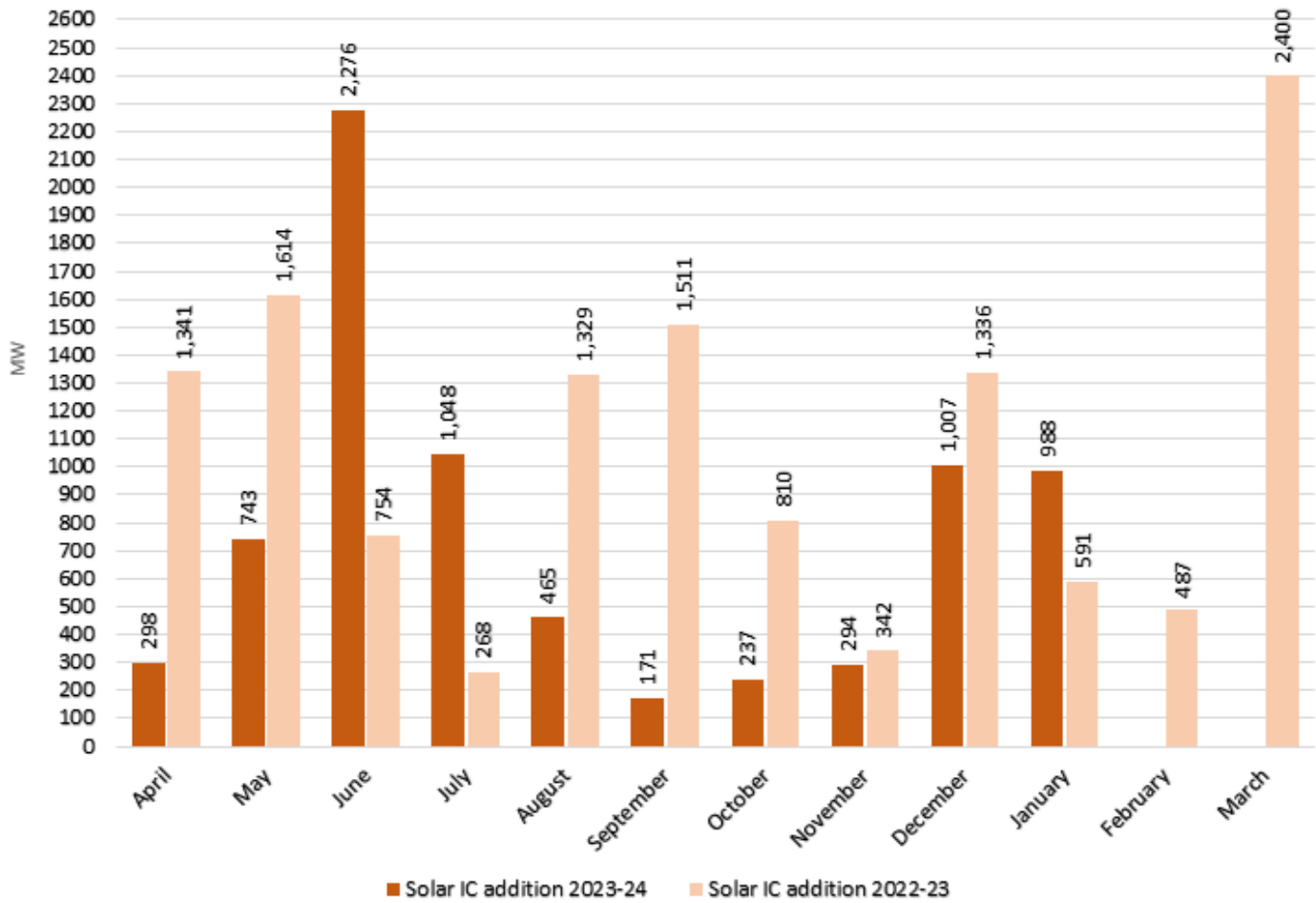


Figure 2: All India Month wise Solar Capacity Addition

Month wise Wind IC addition

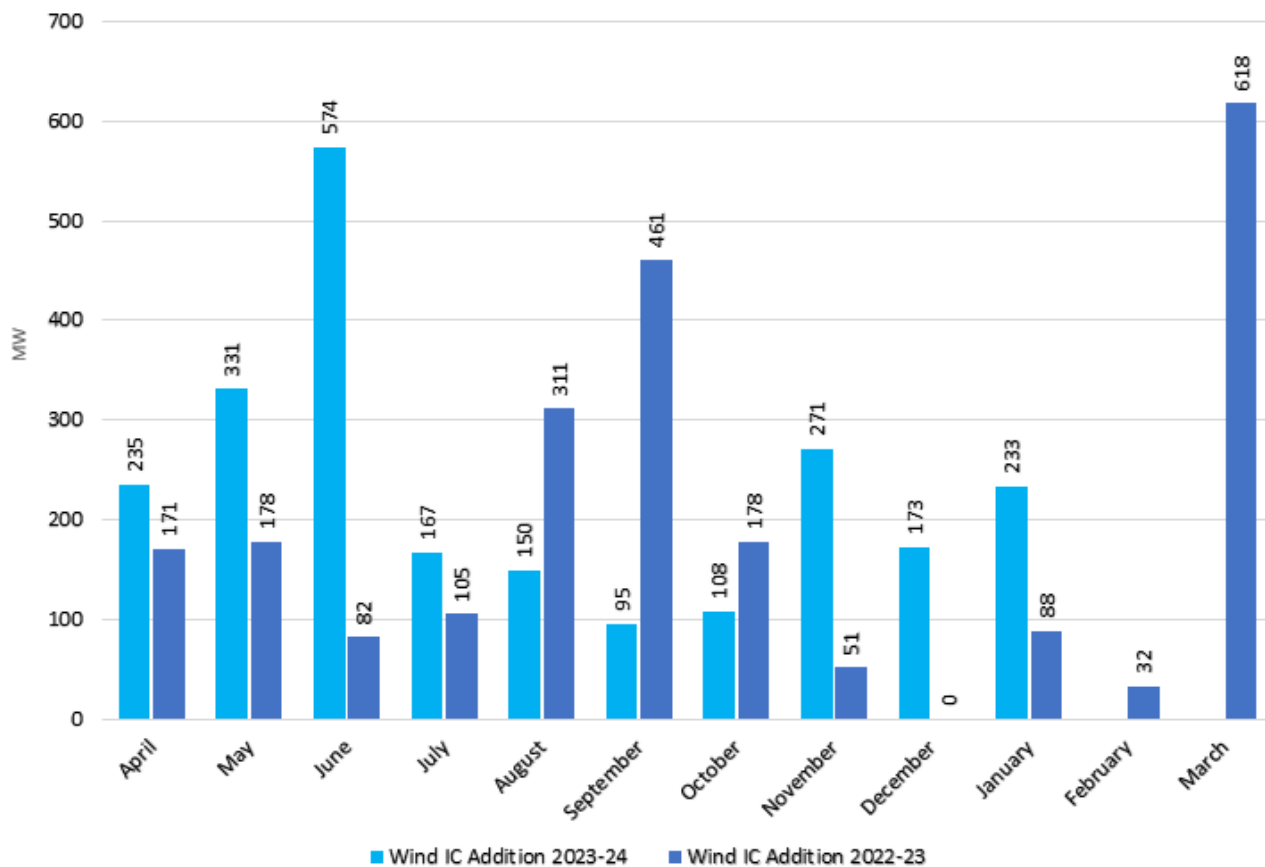


Figure 3: All India Month wise Wind Capacity Addition

Summary of RE Capacity Addition for the Month of January'24

Increased by 92.21 % as compared to January 23.

Increased by 2.51% as compared to December 23.

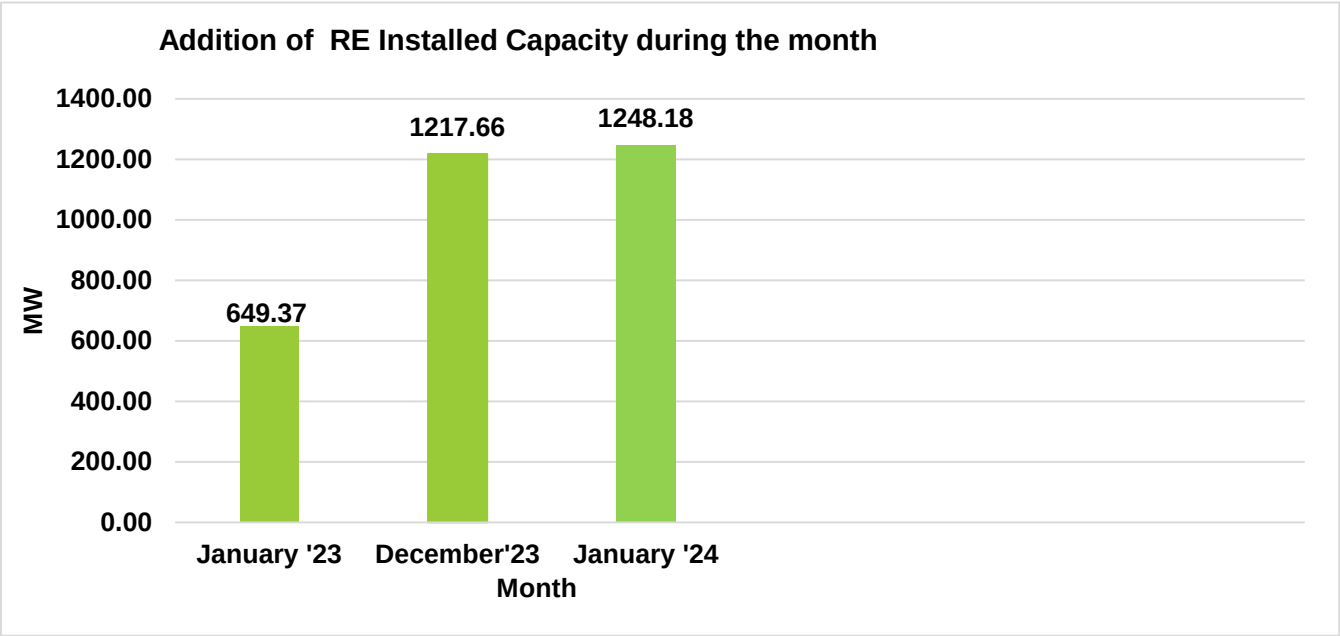


Figure 4: RE capacity added during the Month

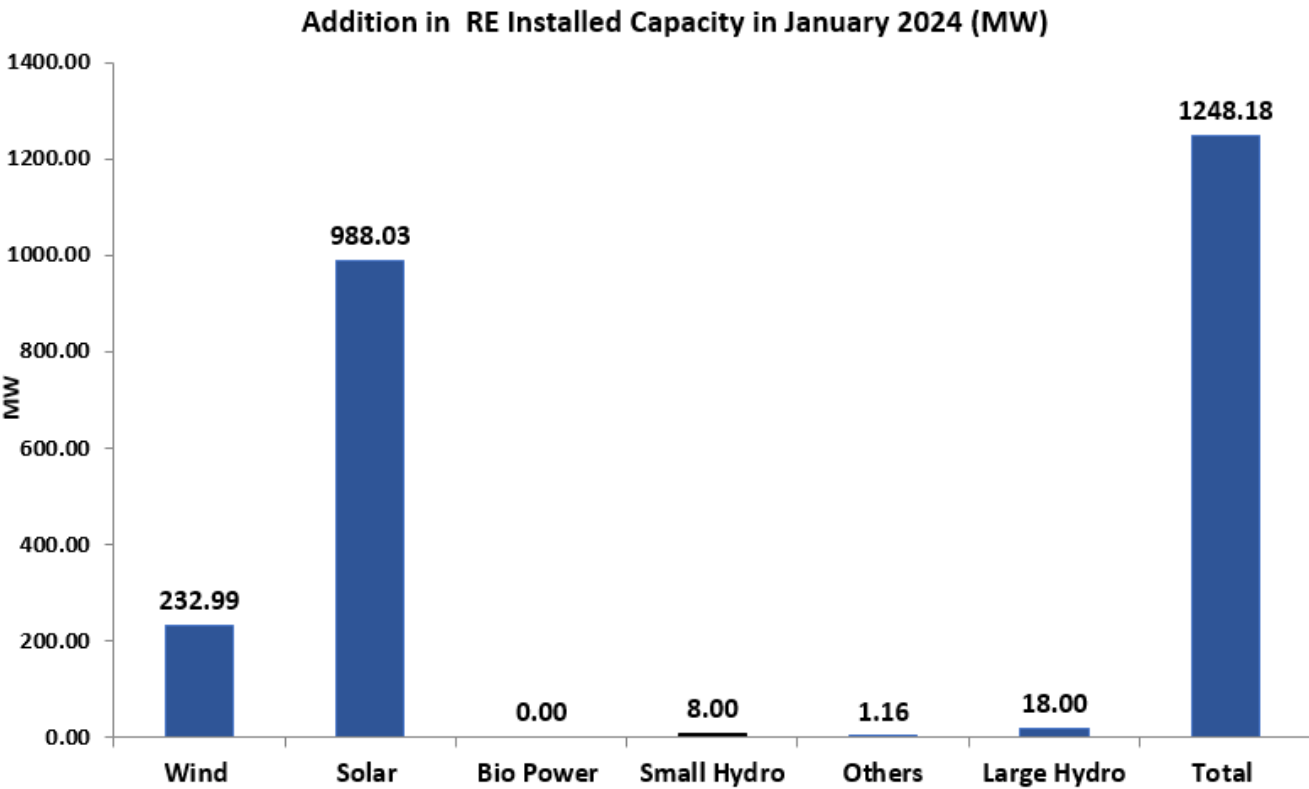


Figure 5: Source wise addition in RE Installed Capacity in January 24

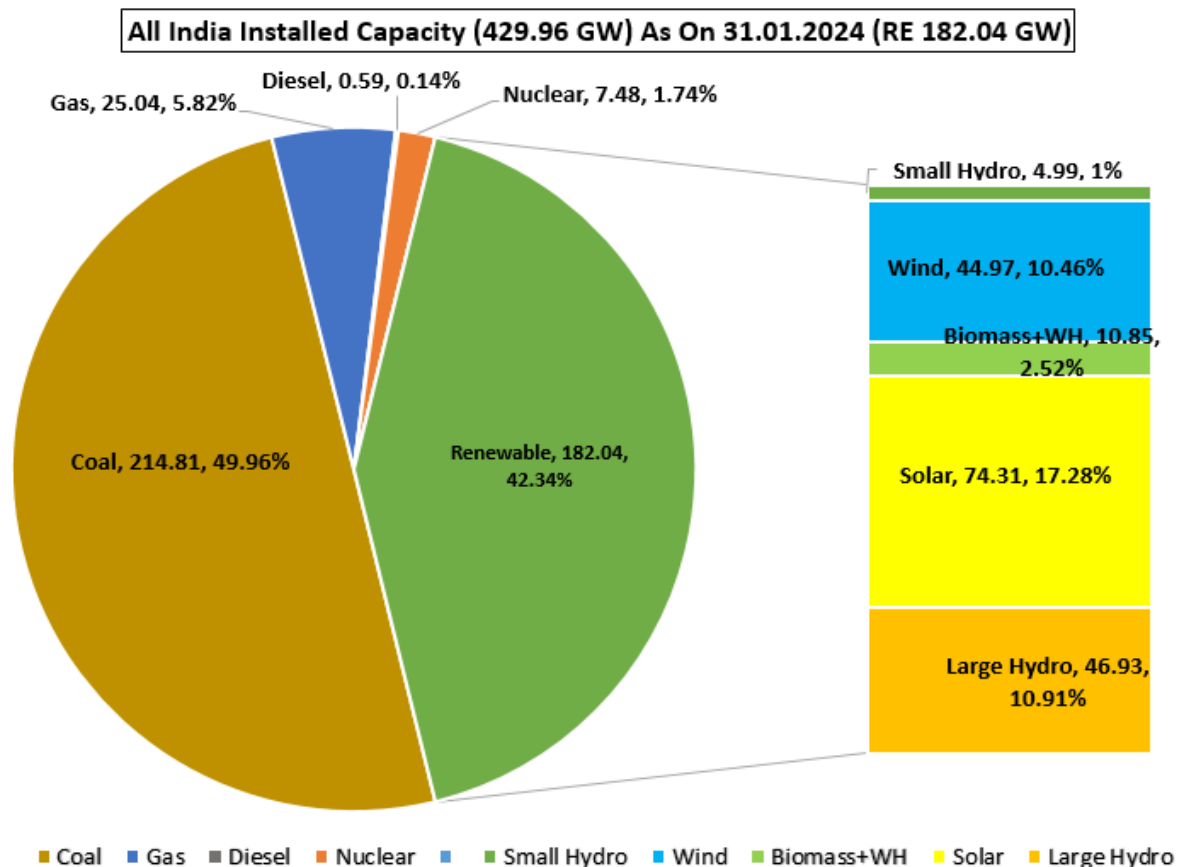


Figure 6: Installed Capacity in India as on 31.01.2024

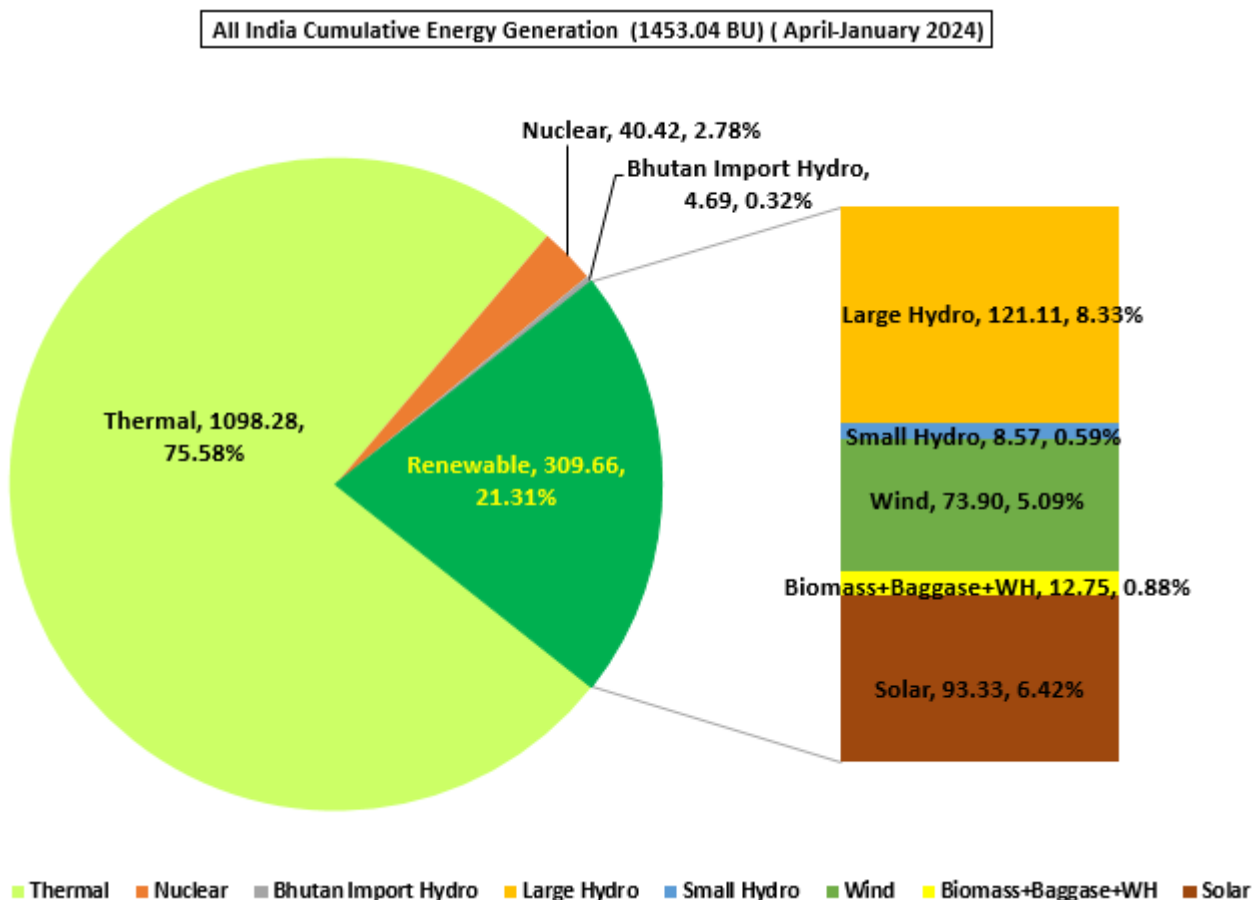


Figure 7: Cumulative Total Energy Generation in India and Share of RE for the year 2023-24

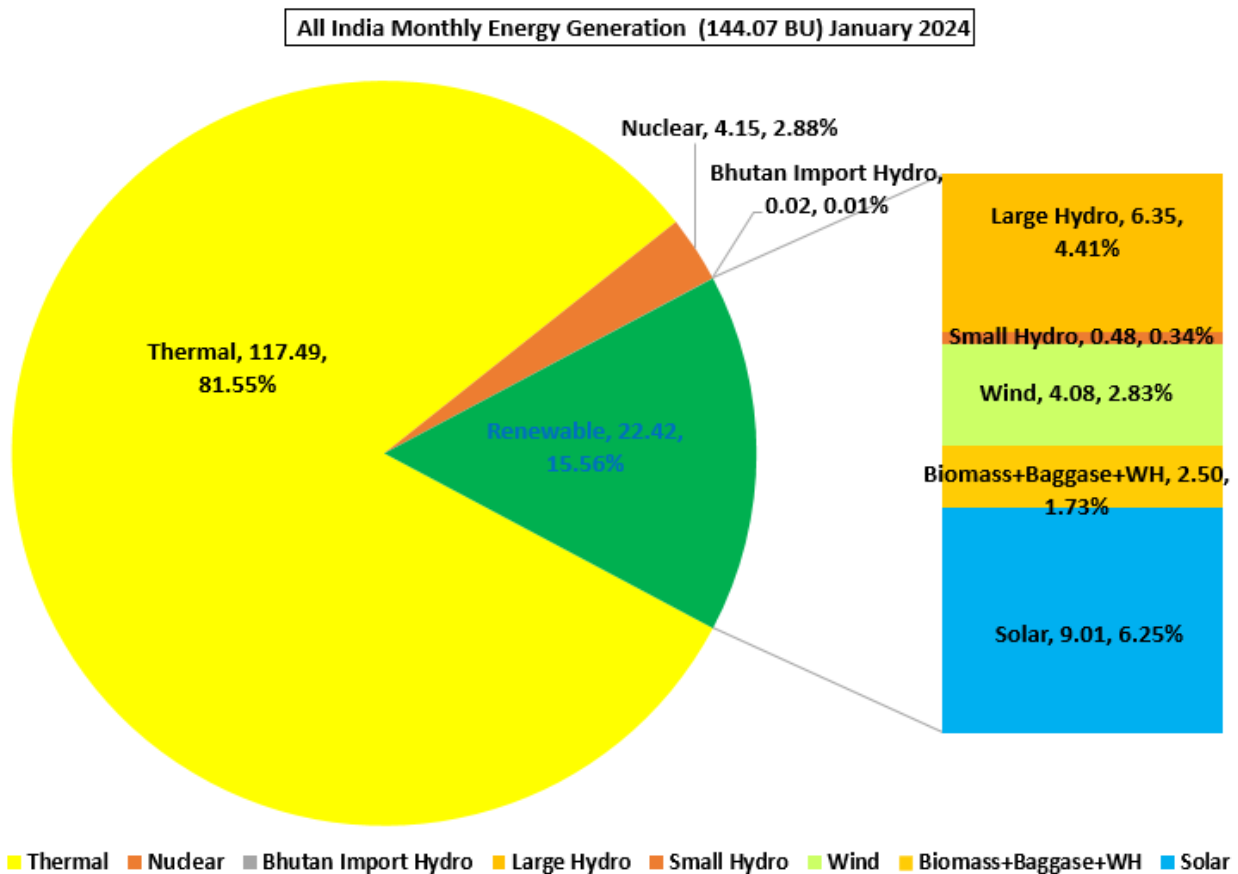


Figure 8: Total Energy Generation in India and Share of RE in the month of January 2024

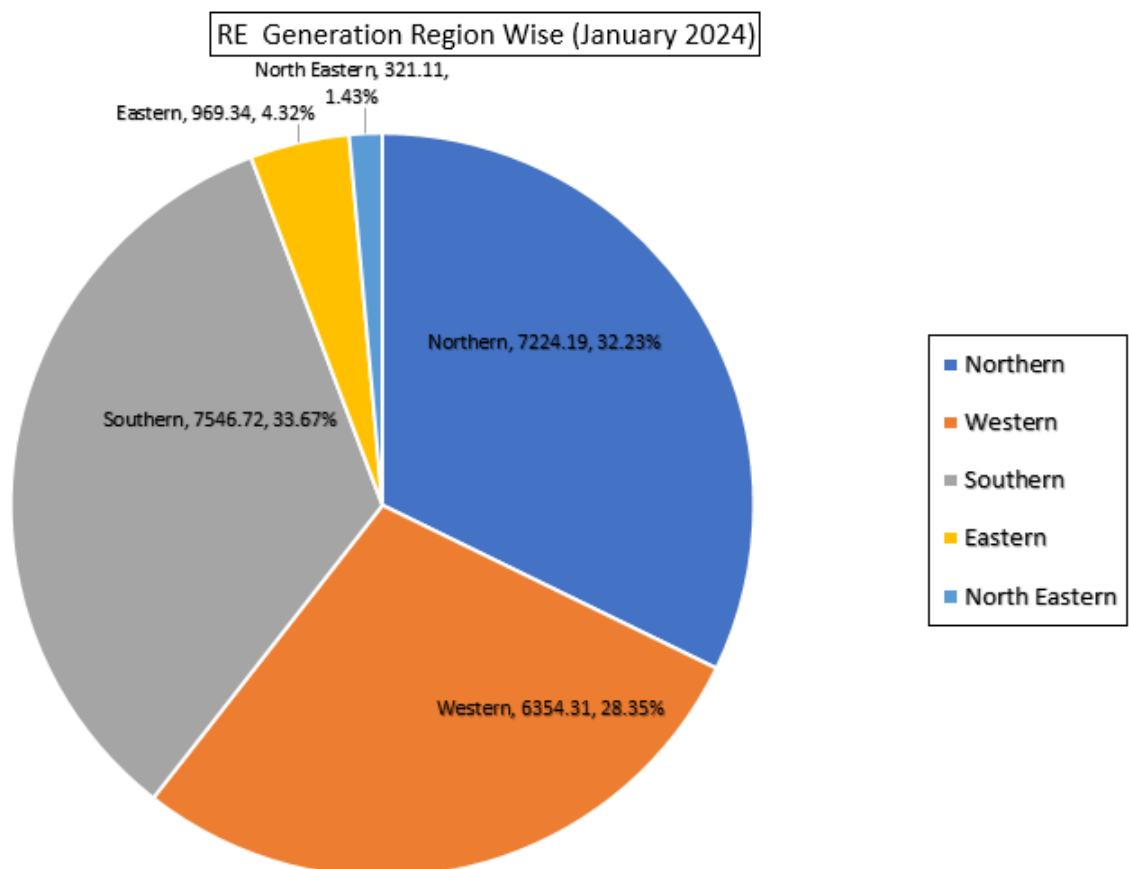


Figure 9: RE Generation Region Wise of January -2024

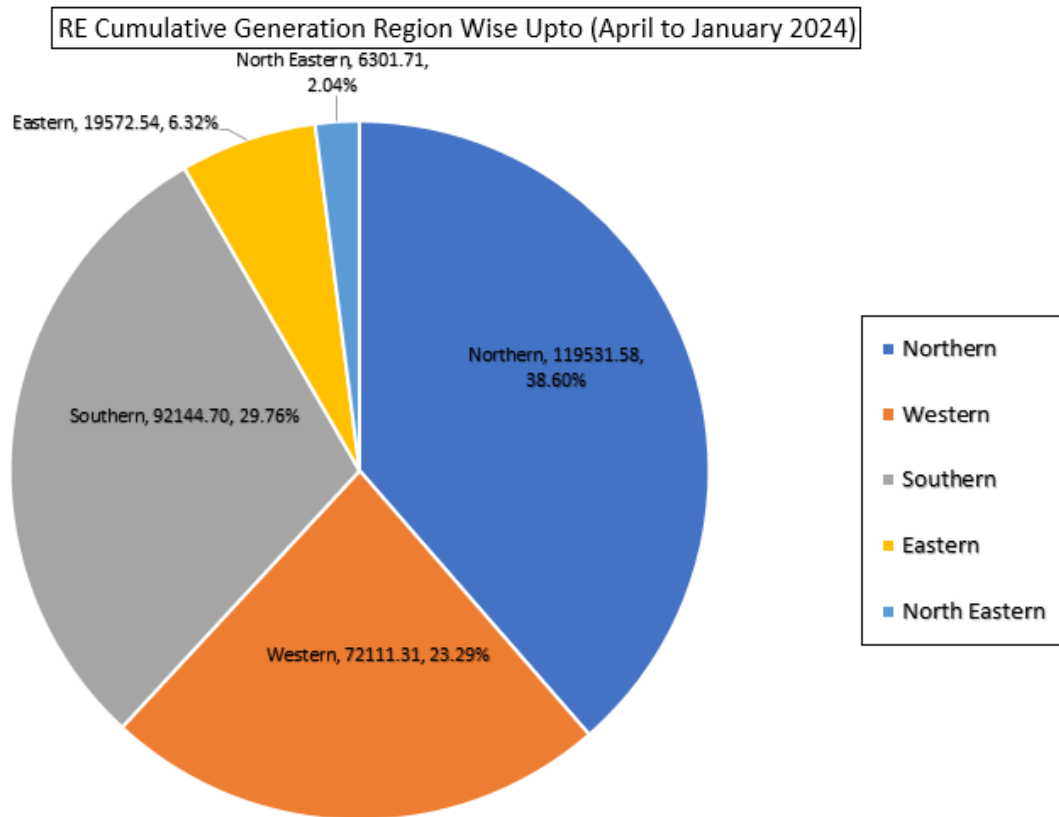


Figure 10: RE Cumulative Generation Region Wise Upto (April 2023 to January 2024)

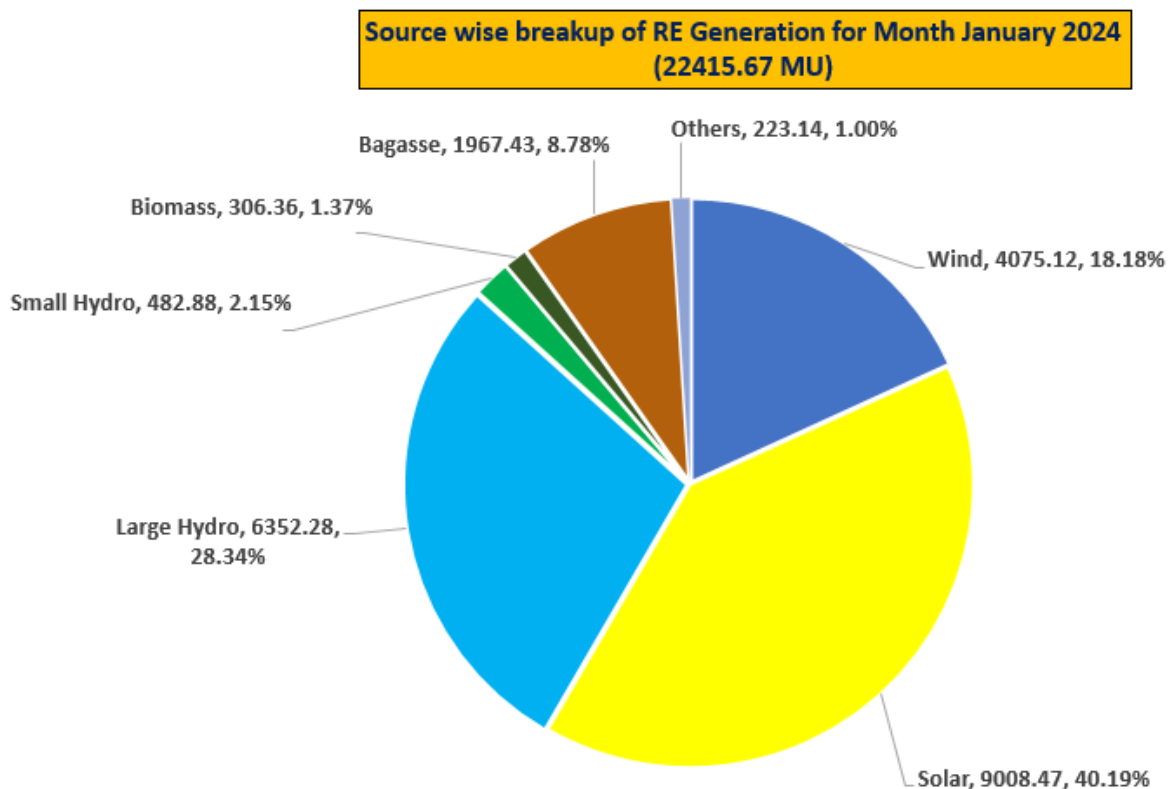


Figure 11: Source wise breakup of RE Generation in the month of January -2024

Source wise breakup of cumulative RE Generation for April 23- January 24
(309661.84 MU)

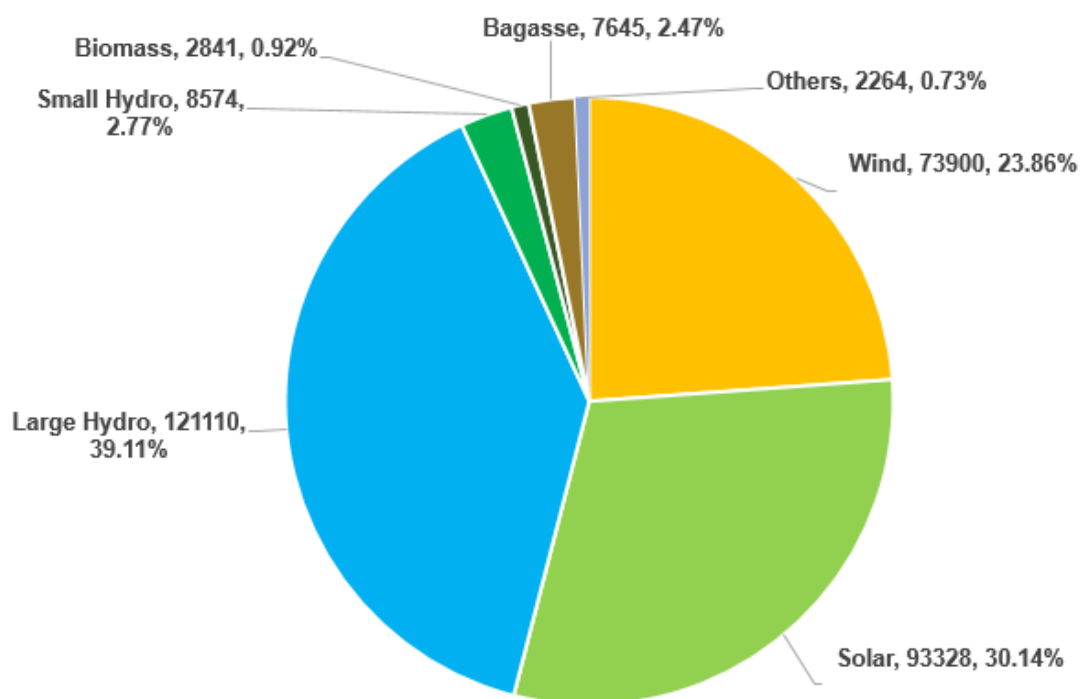


Figure 12: Source wise breakup of Cumulative RE Generation for the year 2023-24.

Summary of Renewable Energy Generation

Decreased by 13.11 % as compared to January' 23

Decreased by 2.26 % as compared to December '23.

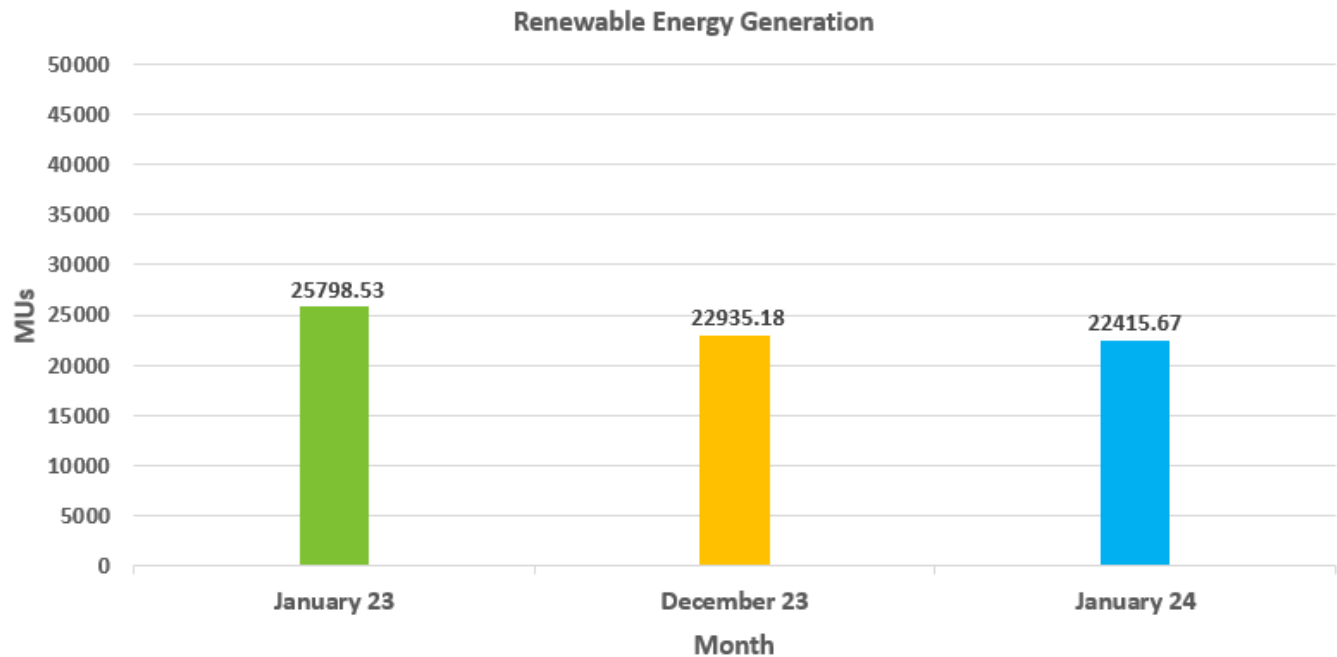


Figure 13: Renewable Energy Generation

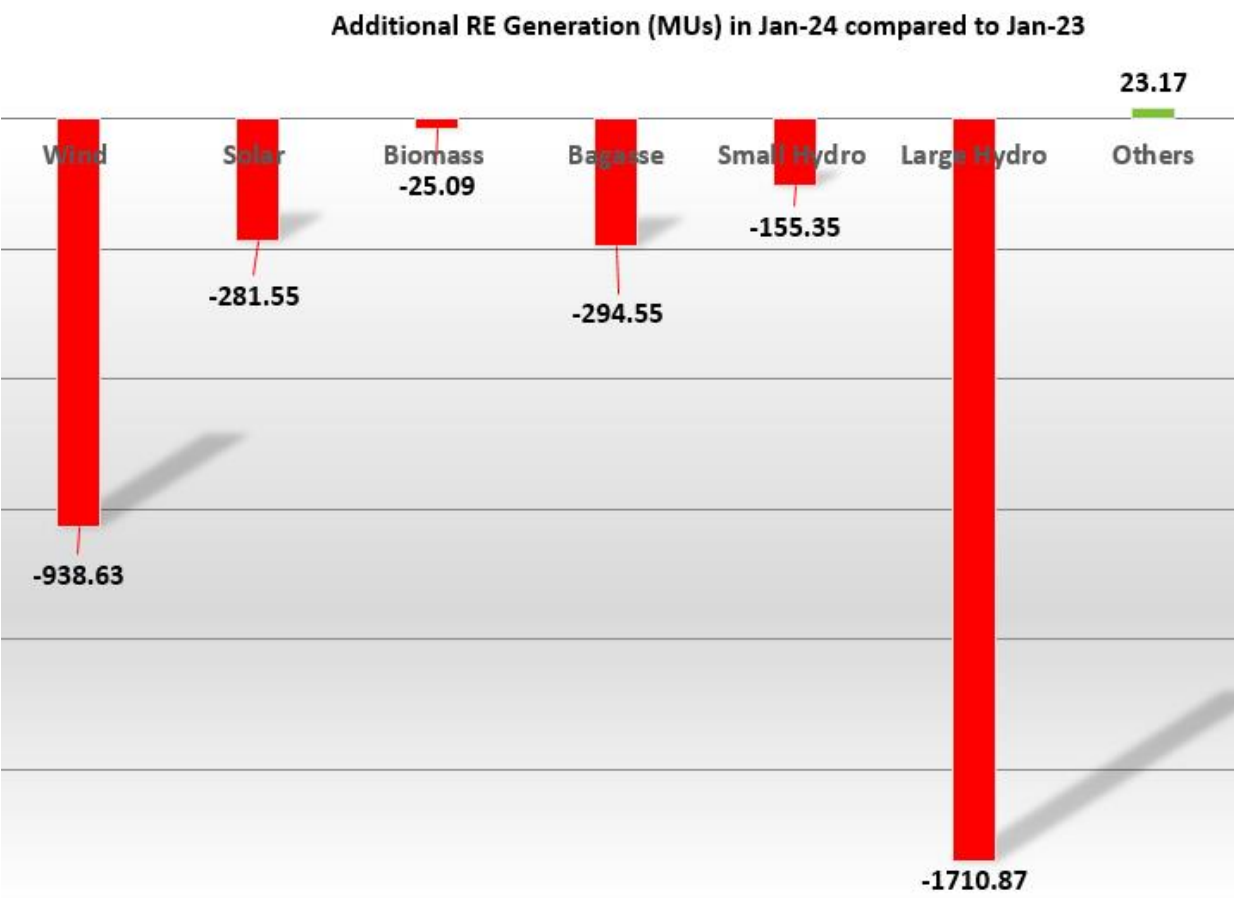


Figure 14: Additional RE Generation in January -24 as compared to January -23

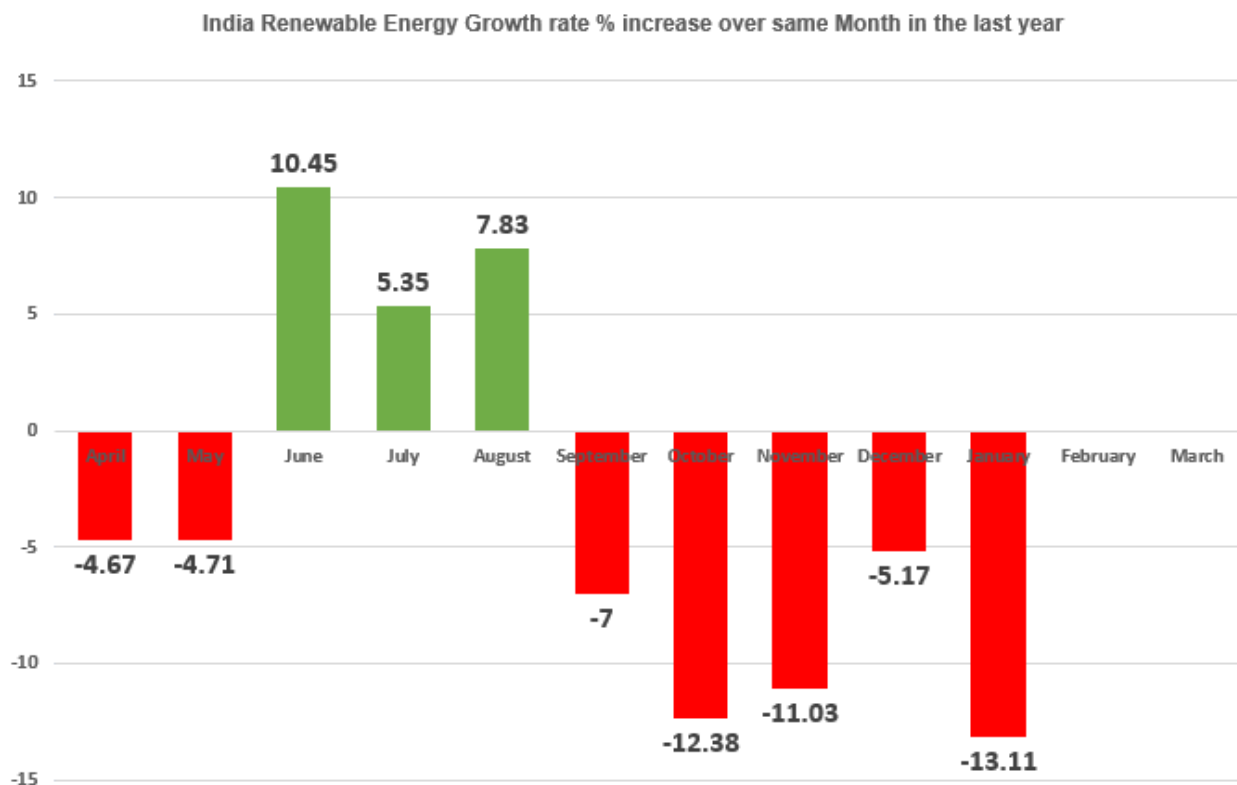


Figure 15: Month Wise % Growth of RE Generation in year 2023-24 w.r.t to previous year Same Month.

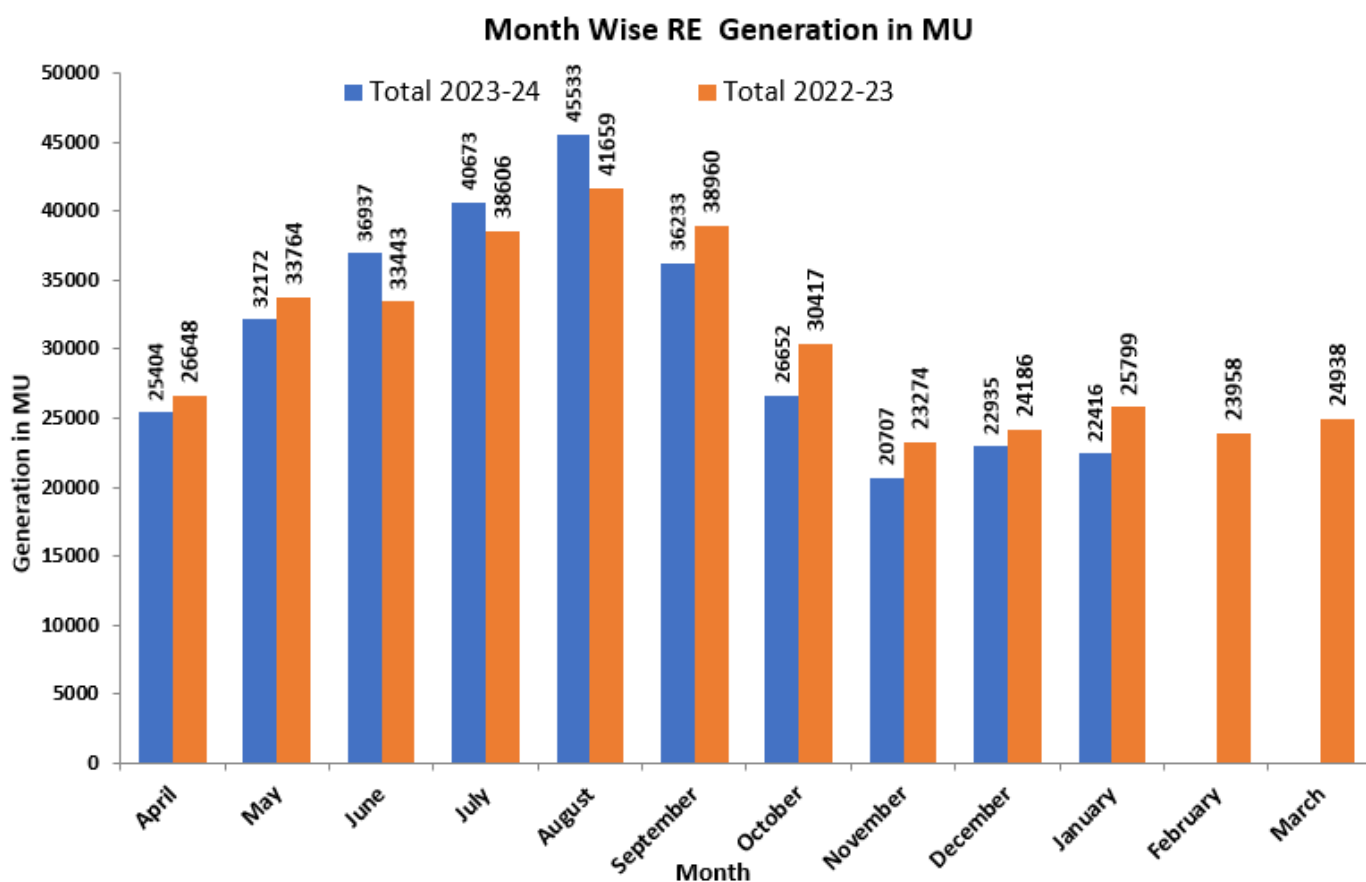


Figure 16: comparison of Month Wise RE Generation in year 2022-23 & in year 2023-24

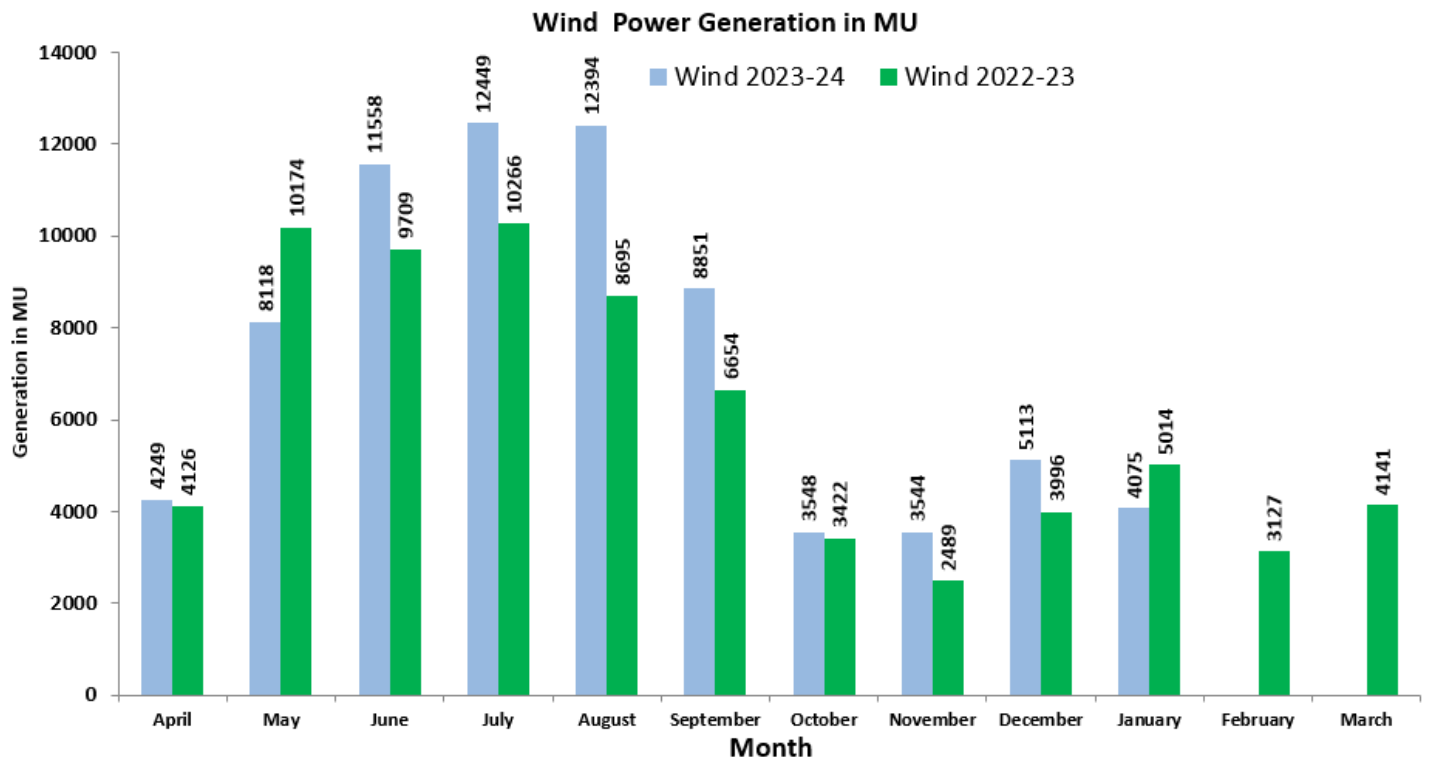


Figure 17: Month Wise Wind Power Generation for the year 2022-23 and year 2023-24.

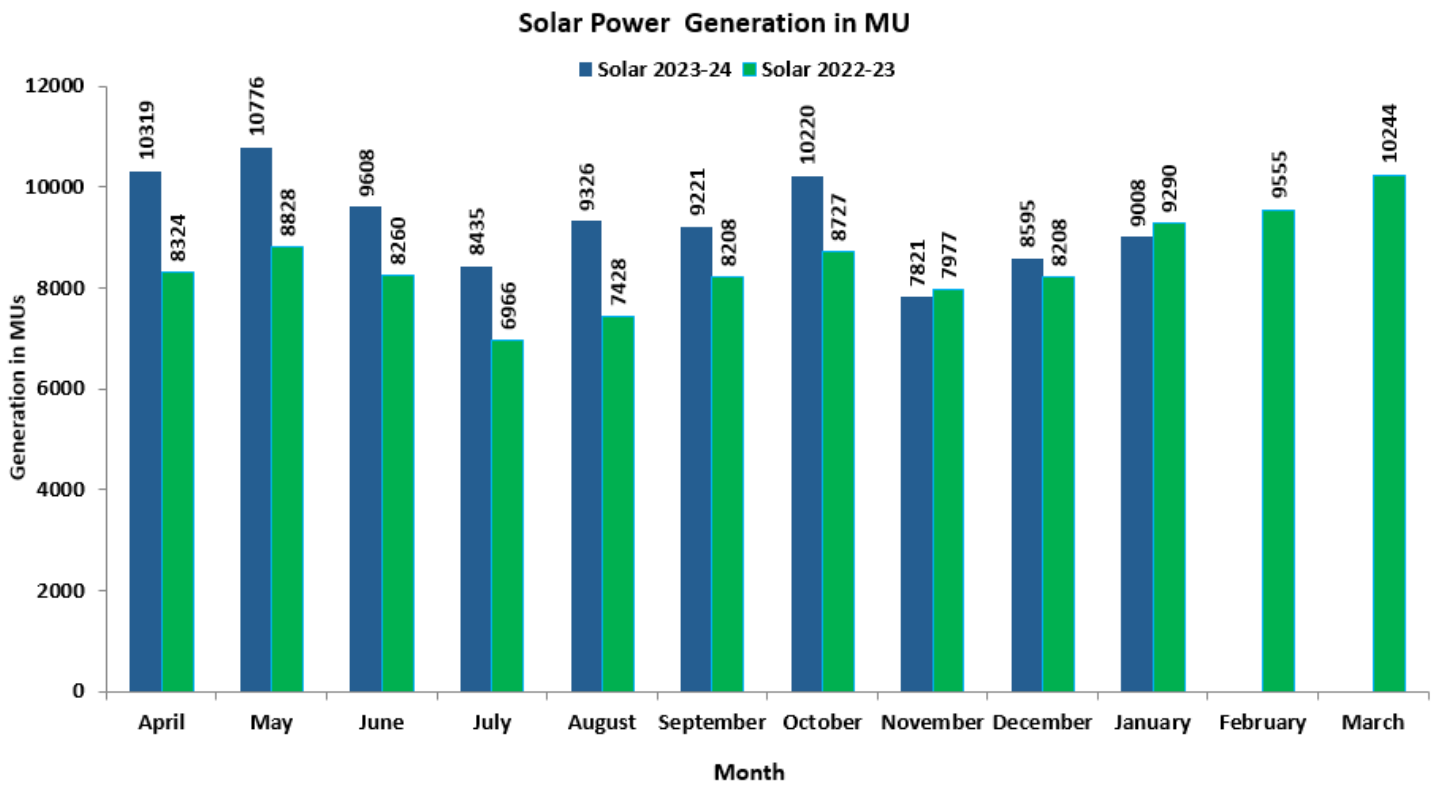


Figure 18: Month Wise Solar Power Generation for the year 2022-23 and year 2023-24.

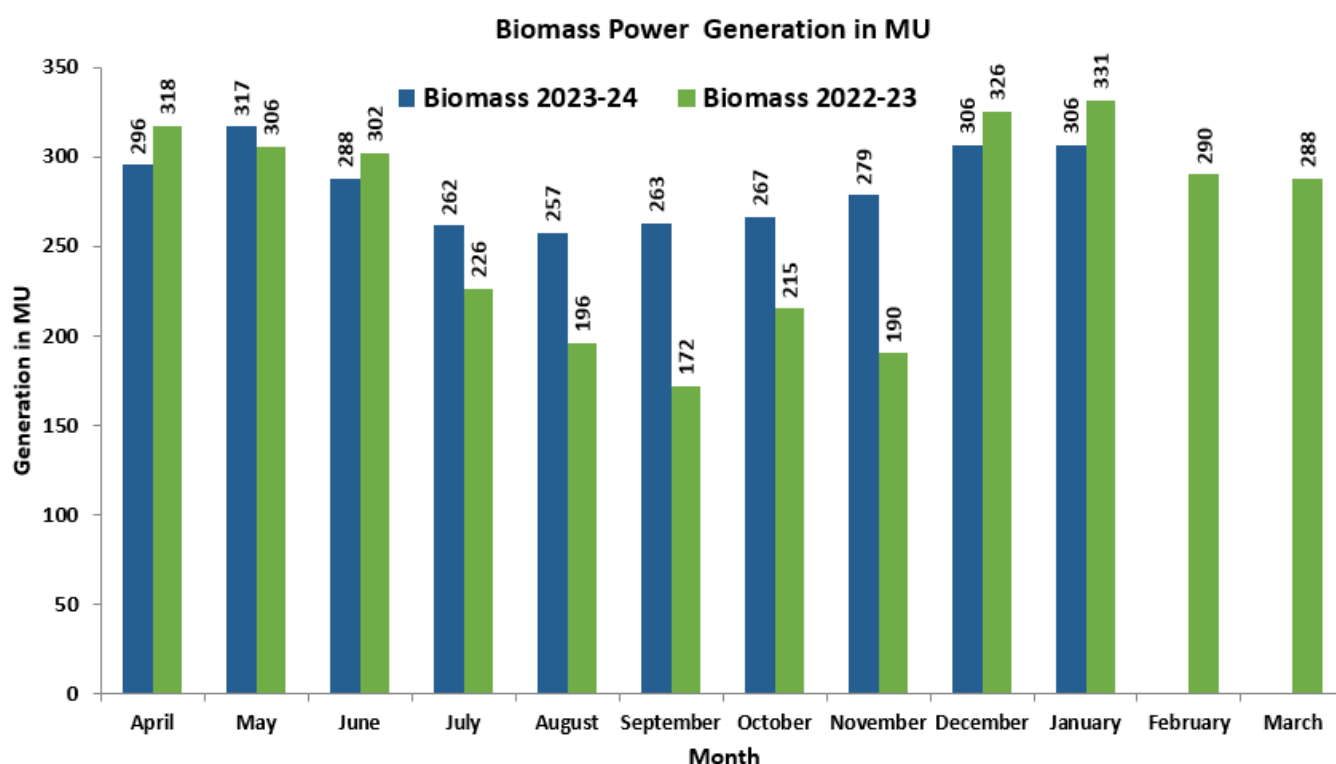


Figure 19: Month Wise Biomass Power Generation for the year 2022-23 and year 2023-24.

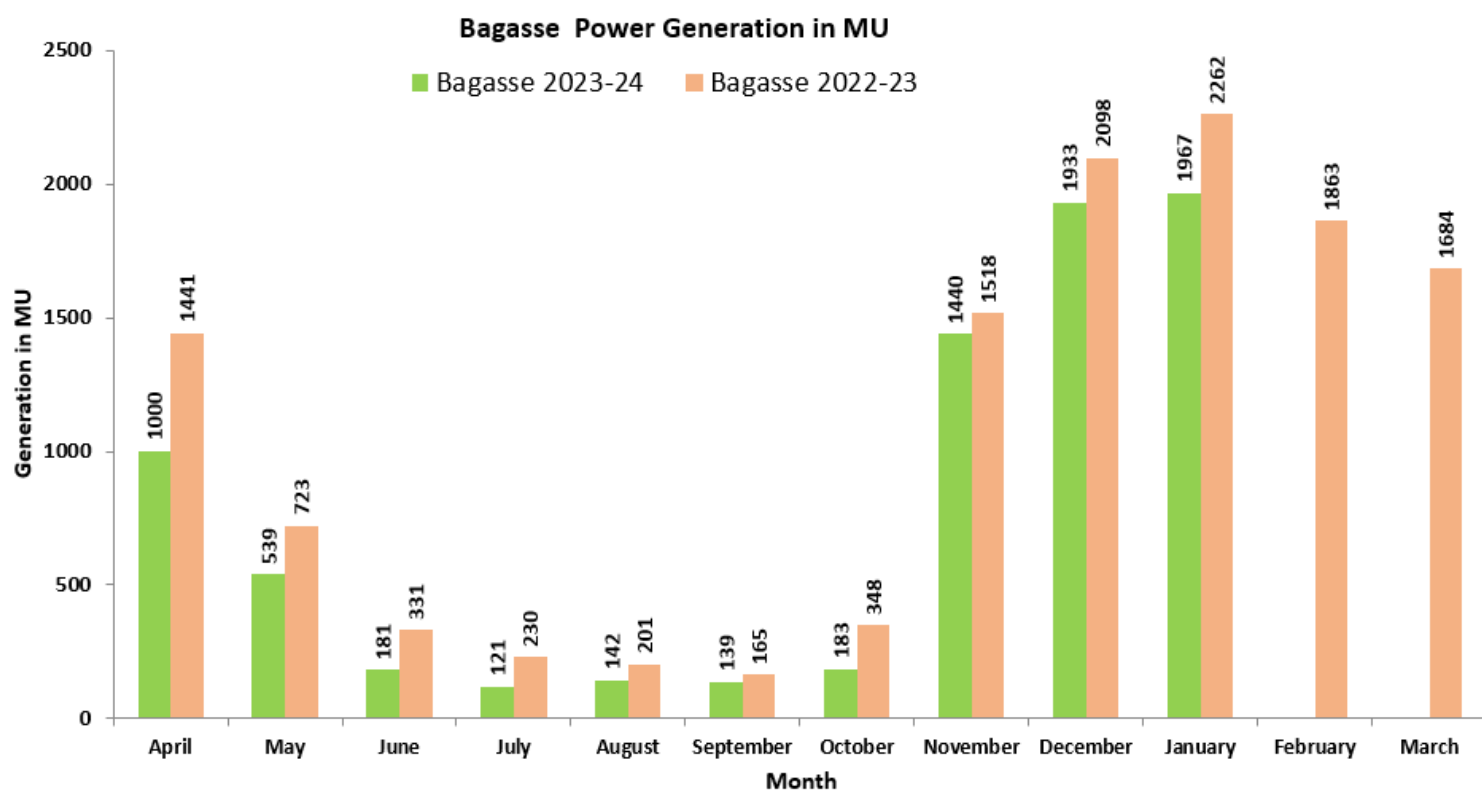


Figure 20: Month Wise Bagasse Power Generation for the year 2022-23 and year 2023-24.

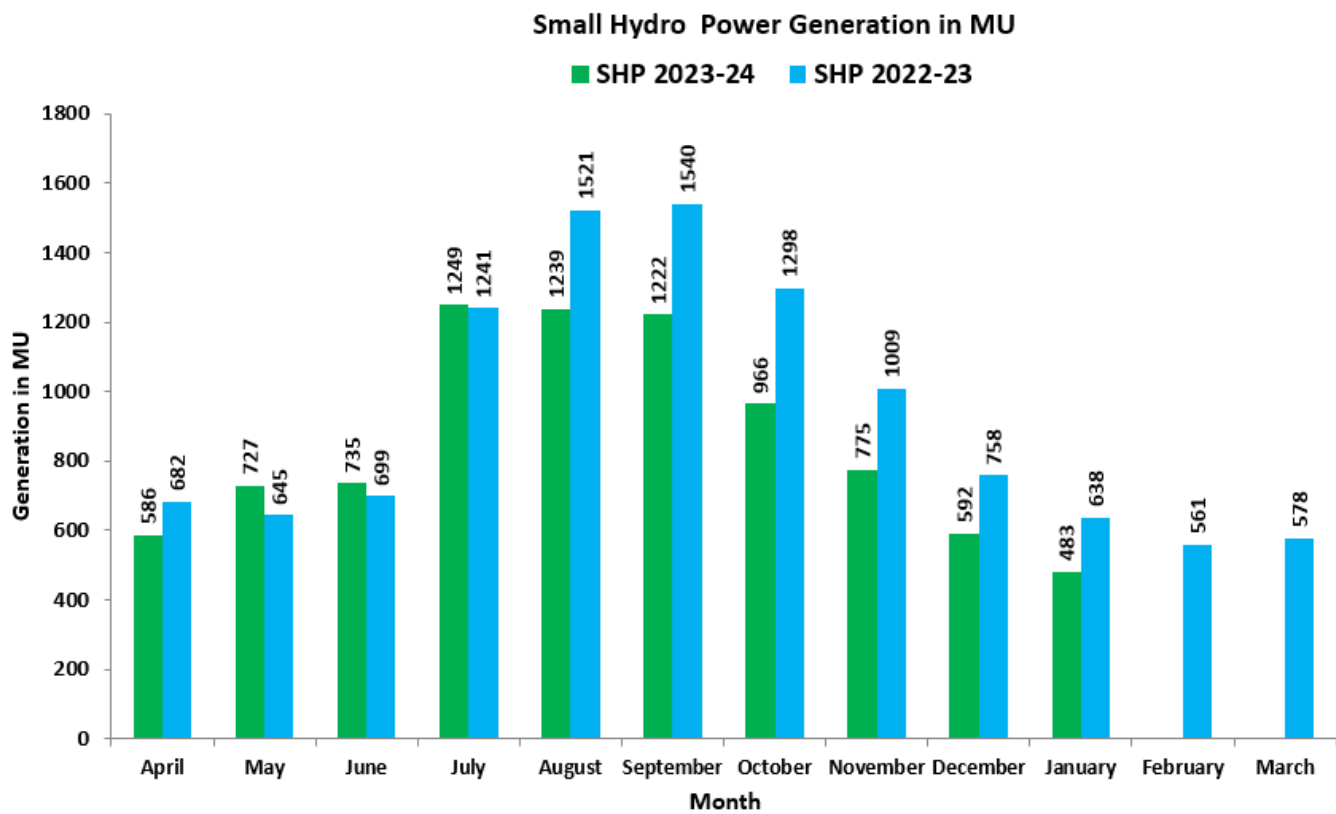


Figure 21: Month Wise Small Hydro Power Generation for the year 2022-23 and year 2023-24.

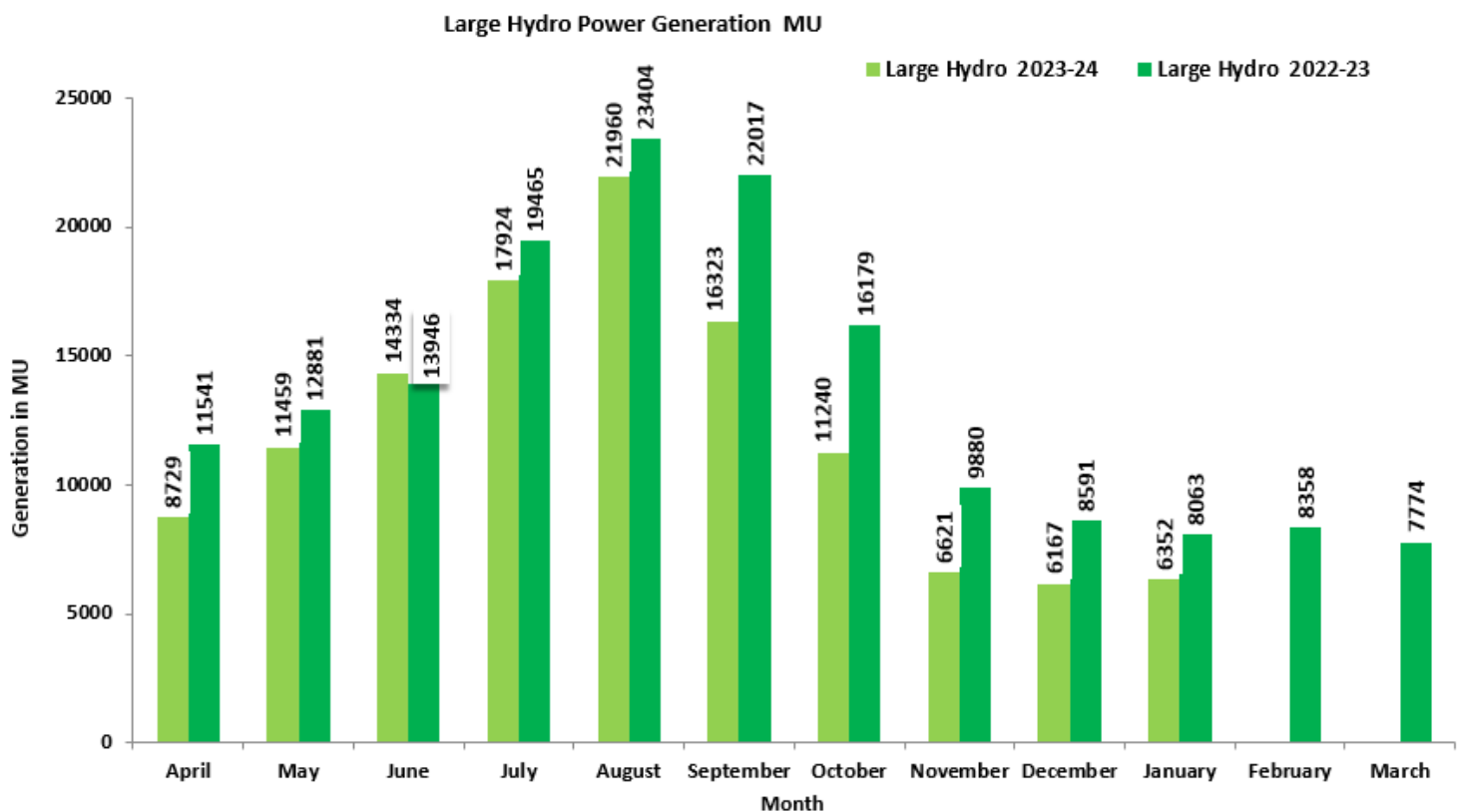


Figure 22: Month Wise Large Hydro Power Generation for the year 2022-23 and year 2023-24.

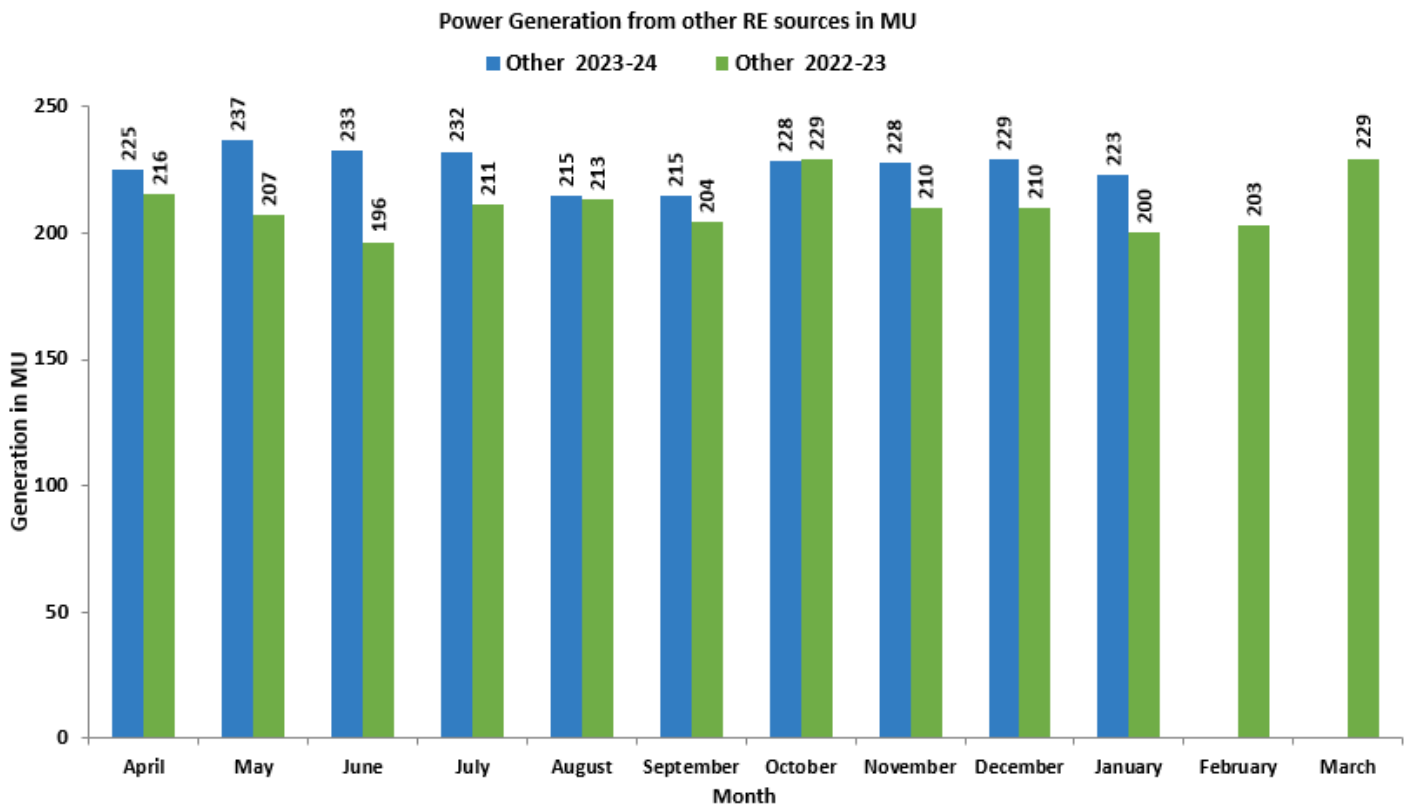


Figure 23: Month Wise Other RE (Waste Heat etc.) Power for the year 2022-23 and year 2023-24.

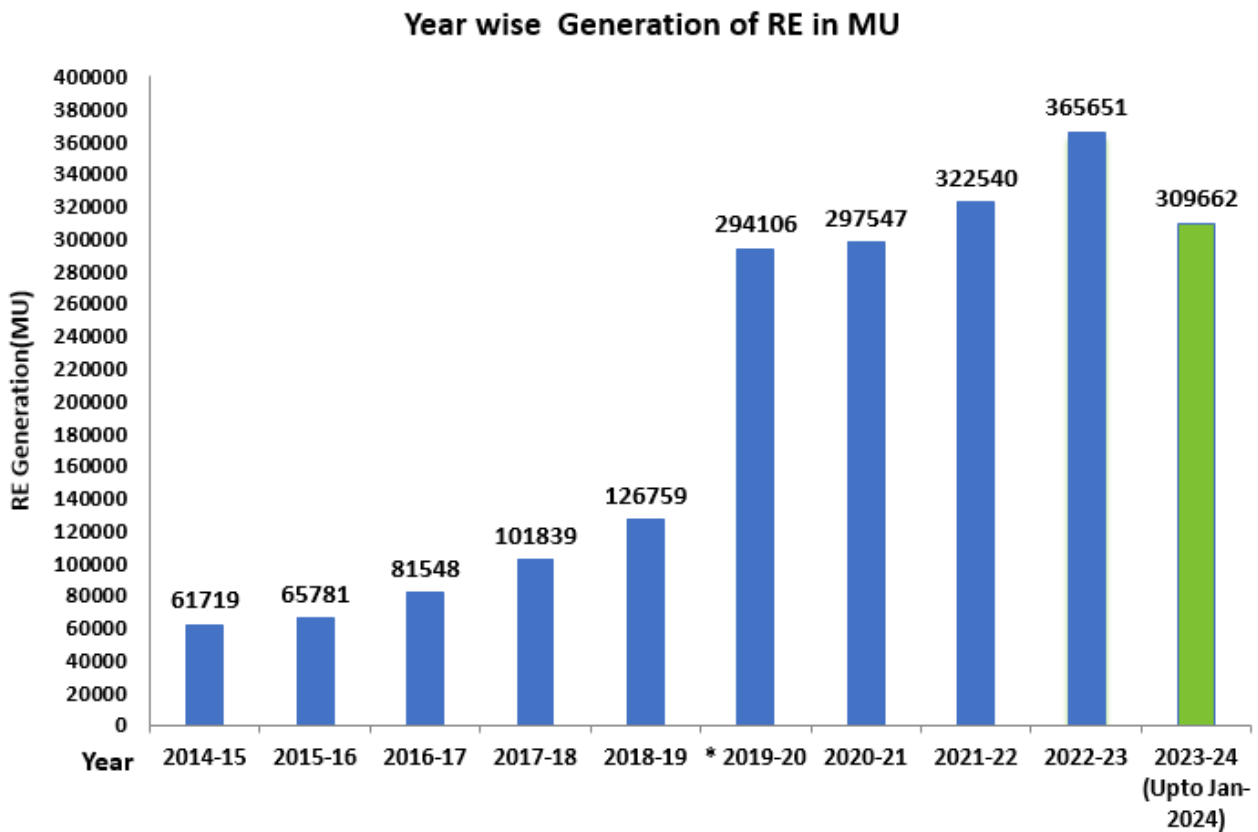


Figure 24: Year Wise RE Generation

(*) 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 (January, 2024)

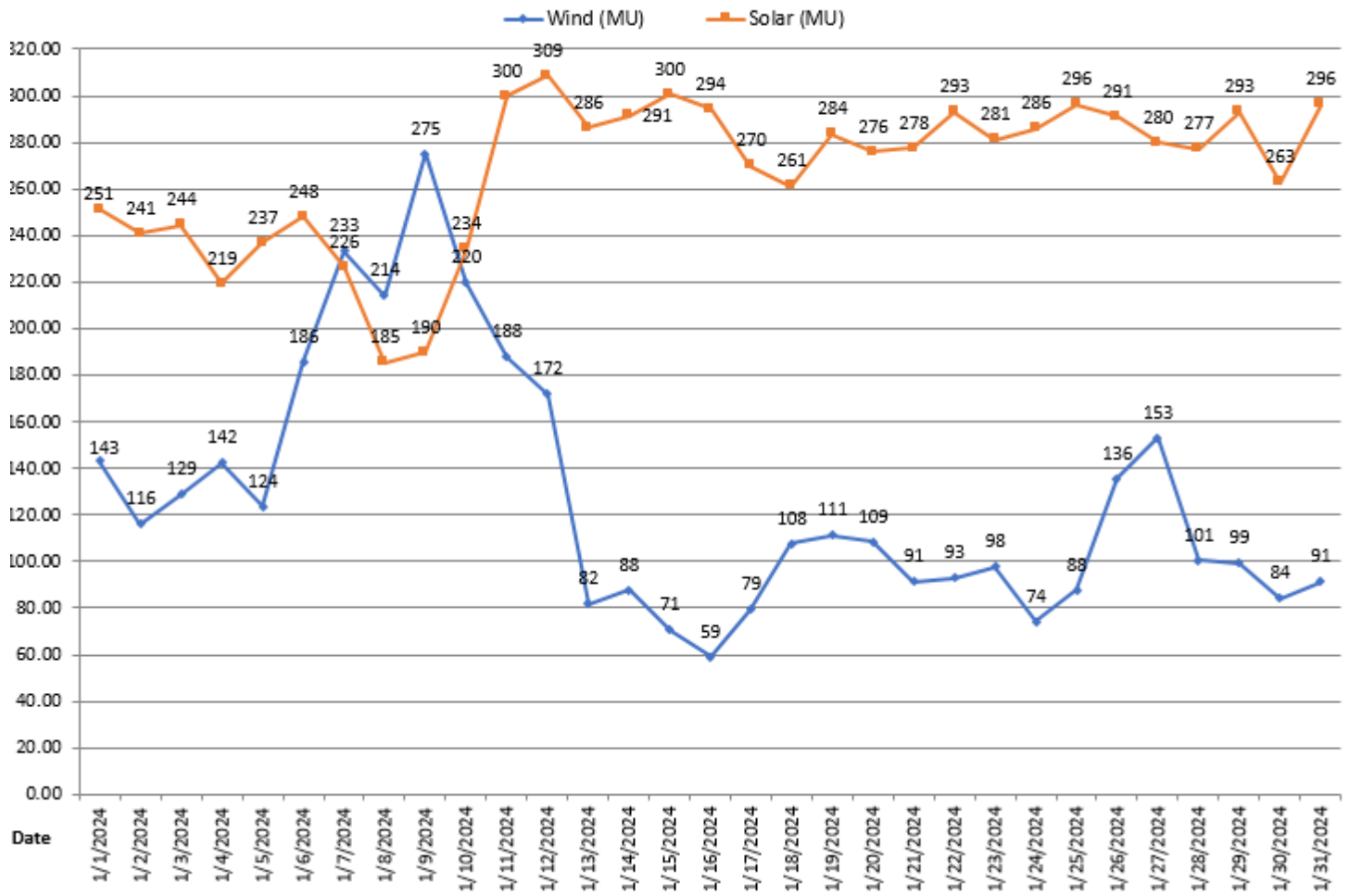


Figure 25: Daily solar and wind power generation trend in the month of January -2024

Summary of All India Total Renewable Energy Generation

Table 1 All India Summary of Renewable Energy Generation

Category	Installed Capacity (MW) (as on 31.01.2024)	Monitored Capacity (MW) (as on 31.01.2024) for which generation data is available	RE Generation(MU) January'2024	RE Generation(MU) January'2023	% of same Month Last Year	RE Generation (MU) April'2023- January'2024	RE Generation (MU) April'2022- January'2023	% of same period Last Year
पवन/Wind	44969.23	44700.00	4075.12	5013.74	81.28	73899.71	64546.10	114.49
सौर/Solar	74306.52	62944.15(*)	9008.47	9290.01	96.97	93328.05	82214.50	113.52
बायोमास/Biomass	10261.81	9758.37	306.36	331.45	92.43	2840.97	2583.17	109.98
बगास/Bagasse			1967.43	2261.97	86.98	7644.56	9316.59	82.05
लघु जल विद्युत्/Small Hydro	4994.75	4191.85	482.88	638.23	75.66	8574.15	10030.98	85.48
बृहत् जल विद्युत्/ Large Hydro(\$)	46928.17	46928.17	6352.28	8063.15	78.78	121110.06	145966.76	82.97
अन्य/Others	584.05	695.37	223.14	199.97	111.59	2264.35	2096.76	107.99
कुल/Total	182044.53	169217.91	22415.67	25798.53	86.89	309661.84	316754.86	97.76

(*) Solar Installed capacity including 3 GW rooftop solar.

(\$)

Large Hydro Generation data excludes import from Bhutan. However, the import from Bhutan during January 2024 and April 23 - January 24 are 15.80 MUs and 4687.90 MU respectively.

Table 2: Renewable Energy Generation (Wind and Solar) by ISGS Stations for the Month of January 2024.

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Unchahar Solar	Uttar Pradesh	Central	Solar	0.56
Dadri Solar	Uttar Pradesh	Central	Solar	0.22
Singrauli Solar	Uttar Pradesh	Central	Solar	1.38
Auraiya	Uttar Pradesh	Central	Solar	2.73
Kolayat	Rajasthan	Central	Solar	71.23
Nokhra	Rajasthan	Central	Solar	48.35
Devikot	Rajasthan	Central	Solar	44.65
ABC Renewable Energy	Rajasthan	Private	Solar	52.70
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	Solar	40.51
Acme Heergharh Powertech Pvt Ltd	Rajasthan	Private	Solar	48.81
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	Solar	117.45
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Private	Solar	70.34
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	Solar	53.51
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	Solar	60.34
ADANI SEJ2PL M	Rajasthan	Private	Solar	20.65
ADANI SEJ2PL P	Rajasthan	Private	Solar	22.37
AEGSPL	Rajasthan	Private	Solar	13.76
ALTRA XERGI	Rajasthan	Private	Solar	43.21
AMPLUS AGES	Rajasthan	Private	Solar	8.83
Adani Renewable Energy RJ Limited (RERJL)	Rajasthan	Private	Solar	33.04
Adani Jaisalmer One SEPL Solar	Rajasthan	Private	Solar	85.45
Adani SB Energy Four Pvt. Ltd.(SE4PL(Kilaj Solar))	Rajasthan	Private	Solar	7.96
M/S Adani Solar Energy Four PVT. LTD.L(Adani SEJ5PL)	Rajasthan	Private	Solar	30.55
Adani SB Energy Four Pvt. Ltd. (SERJ1PL)	Rajasthan	Private	Solar	56.66
Avaada Sunrays Energy Private Limited	Rajasthan	Private	Solar	55.08
Avaada RJHN Private Limited	Rajasthan	Private	Solar	32.41
Avaada Sunce Energy Private Limited	Rajasthan	Private	Solar	47.01
Avaada Sustainable RJ Project Private Ltd.	Rajasthan	Private	Solar	42.31
Ayana Renewable Power One Private Limited	Rajasthan	Private	Solar	44.87
Azure Power Forty One Private Limited	Rajasthan	Private	Solar	48.47
Azure Power Forty Three Private Ltd	Rajasthan	Private	Solar	87.57
Azure Power India Pvt Ltd	Rajasthan	Private	Solar	25.88

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Azure Power Maple Pvt Ltd	Rajasthan	Private	Solar	34.06
Azure Power Thirty Four Private Ltd	Rajasthan	Private	Solar	20.86
Clean Solar Power (Jodhpur) Pvt Ltd	Rajasthan	Private	Solar	40.75
Clean Solar Power (Bhadla) Pvt Ltd	Rajasthan	Private	Solar	47.66
Eden Renewable Cite Private Limited	Rajasthan	Private	Solar	58.94
GRIAN ENERGY	Rajasthan	Private	Solar	10.41
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	Solar	8.59
RENEW_SP	Rajasthan	Private	Solar	15.35
MEGA SOILS RENEWABLE PRIVATE LIMITED	Rajasthan	Private	Solar	42.55
Mega Surya Urja Pvt. Ltd	Rajasthan	Private	Solar	36.94
M/S. ONEVOLT Energy Private Limited	Rajasthan	Private	Solar	9.32
Nindan Solar Fatehgar	Rajasthan	Private	Solar	54.61
RSVPL	Rajasthan	Private	Solar	5.24
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Rajasthan	Private	Solar	56.23
Renew Solar Power Pvt Ltd	Rajasthan	Private	Solar	7.61
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	Solar	35.25
Renew Solar Urja Pvt Ltd	Rajasthan	Private	Solar	55.88
Renew Sun Bright Pvt Ltd	Rajasthan	Private	Solar	55.76
Renew Sun Waves Private Limited	Rajasthan	Private	Solar	55.84
Renew Surya Ravi Pvt Ltd	Rajasthan	Private	Solar	39.73
Rising Sun Energy	Rajasthan	Private	Solar	27.59
Tata Power Green Energy Limited	Rajasthan	Private	Solar	29.24
Tata Power Renewable Energy Ltd	Rajasthan	Private	Solar	50.55
Tata Power Saurya 1	Rajasthan	Private	Solar	14.03
Thar Surya1 Private Limited	Rajasthan	Private	Solar	42.60
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	Wind	56.97
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Private	Wind	9.41
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	Wind	7.01
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	Wind	7.19
Adani Jaisalmer One SEPL Wind	Rajasthan	Private	Wind	11.80
Northern Region				2266.83
Acme _RUMS	Madhya Pradesh	Private	Solar	35.15
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	Solar	35.28
Mahindra Solar (Badwar)	Madhya Pradesh	Private	Solar	32.71
Masaya BWSPRA_KNDW	Madhya Pradesh	Private	Solar	35.85
Sherisha Raipur	Chhattisgarh	Private	Solar	6.69
Solapur Solar	Maharashtra	Central	Solar	1.29

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Electro Solaire Private Limited (ESPL RSP Solar)	Gujarat	Private	Solar	37.87
Tata Power Renewable Energy Limited (TPREL RSP Solar)	Gujarat	Private	Solar	19.14
Gujarat Industries Power Company Limited (GIPCL RSP Solar)	Gujarat	Private	Solar	19.37
Powerica Wind	Gujarat	Private	Solar	8.45
NTPC Kawas	Gujarat	Central	Solar	8.63
IWISL Dayapar	Gujarat	Private	Solar	27.61
Gandhar_Solar	Gujarat	Private	Solar	3.50
GSECL RSP	Gujarat	Private	Solar	13.34
RPL_SECI-II	Gujarat	Private	Solar	37.27
AWEK1L WIND (RATADIYA)	Gujarat	Private	Wind	63.04
Adani Wind Energy Kutchn Four Limited (AWEK4L)	Gujarat	Private	Wind	45.11
Adani Wind Energy MP One Private Limited (AWEMP1PL)	Gujarat	Private	Wind	40.08
Alfnar Wind (Nanavalka)	Gujarat	Private	Wind	34.98
Green Infra Wind Energy Limited SECI-II (Giwel-II Wind (Vadva))	Gujarat	Private	Wind	38.16
Green Infra Wind Energy Limited SECI-III (Giwel-III Wind (Naranpar))	Gujarat	Private	Wind	40.39
GSECL_PH2	Gujarat	Private	Wind	14.59
Ostro Kutch Wind Private Limited (OKWPL)	Gujarat	Private	Wind	51.14
Renew Wind Energy (AP2) Private Limited (Ghadsisa)	Gujarat	Private	Wind	47.98
Avikiran Solar India Private Limited (AS IPL), Baranda	Gujarat	Private	Wind	16.69
Apraava Khkrda Jam	Gujarat	Private	Wind	29.03
IGESL Dayapar	Gujarat	Private	Wind	21.16
Netra Kotda	Gujarat	Private	Wind	18.04
NTPC REL Dayapur	Gujarat	Private	Wind	1.93
Torrent Sidpur Jam	Gujarat	Private	Wind	26.32
SITAC	Gujarat	Private	Wind	39.77
SRIJAN	Gujarat	Private	Wind	13.35
Western Region				863.90
Beetam(Tuticorin)	Tamil Nadu	Private	Wind	33.67
GRTJIPL	Tamil Nadu	Private	Solar	23.13
Mytra	Tamil Nadu	Private	Wind	23.98

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Orange	Tamil Nadu	Private	Wind	27.52
Green Infra	Tamil Nadu	Private	Wind	40.20
Hiriyur Ostro	Tamil Nadu	Private	Wind	46.80
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	Wind	20.38
JSW Renew Energy Two Limited (Tuticorin)	Tamil Nadu	Private	Wind	53.48
JSW Savlaperi	Tamil Nadu	Private	Wind	8.25
Ettayapuram	Tamil Nadu	Central	Solar	39.11
Roshini Renew, Koppal	Karnataka	Private	Wind	30.95
KOPPAL AYANASIX	Karnataka	Private	Wind	21.49
Ramagundam Floating Solar	Telangana	Central	Solar	14.37
Simhadri Floating Solar	Andhra Pradesh	Central	Solar	3.69
Southern Region				387.02
All India Total				3517.75

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 (Excluding Large Hydro) by CPSU Owned stations

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) January 2024	RE Generation (MU) January 2023	RE Generation (MU) April 2023-January 2024	RE Generation (MU) April 2022-January 2023
NTPC							
Faridabad_Solar	Haryana	5.00	Solar	0.22	0.37	4.91	5.04
Bhadla	Rajasthan	260.00	Solar	27.66	35.07	343.78	358.27
Jetsar	Rajasthan	160.00	Solar	7.93	23.37	278.84	283.73
Fatehgarh	Rajasthan	296.00	Solar	55.16	60.17	614.42	561.49
Devikot	Rajasthan	240.00	Solar	45.04	12.89	467.19	53.53
Nokhra	Rajasthan	300.00	Solar	47.54	4.01	562.45	24.87
Dadri_Solar	Uttar Pradesh	5.00	Solar	0.24	0.36	4.74	4.93
Unchahar_Solar	Uttar Pradesh	10.00	Solar	0.67	0.82	10.72	11.17
Singrauli_Solar	Uttar Pradesh	15.00	Solar	1.42	1.55	16.50	16.78
Auraiya	Uttar Pradesh	40.00	Solar	2.97	3.97	54.30	39.61
Small Hydro Vindhyachal	Uttar Pradesh	8.00	Small Hydro	3.13	2.52	31.87	25.35
Rojmal	Gujarat	50.00	Wind	6.79	8.75	86.33	90.16
Dayapar	Gujarat	50.00	Wind	8.21		8.98	
Rajgarh_Solar	Madhya Pradesh	50.00	Solar	5.01	6.07	55.25	60.34
Mandsaur	Madhya Pradesh	250.00	Solar	27.23	31.04	291.03	310.74
Solapur	Maharashtra	10.00	Solar	1.27	0.23	14.03	0.23
Anantapuram	Andhra Pradesh	250.00	Solar	28.38	37.70	305.49	305.36
Ramagundam	Telangana	110.00	Solar	15.27	17.47	165.17	138.83
Andaman & Nicobar	Andaman & Nicobar	5.00	Solar	0.51	0.55	4.64	4.37
Talchar_Solar	Orissa	10.00	Solar	0.86	1.39	9.99	11.23
Solar_Bilhaur	Uttar Pradesh	225.00	Solar	20.03	27.00	356.97	392.29
Simhadri Floating Project	Andhra Pradesh	25.00	Solar	6.50	3.72	41.73	37.58
Kayamkulam	Kerala	92.00	Solar	17.97	16.38	174.48	132.86
Kawas	Gujarat	56.00	Solar	6.11	9.26	71.79	55.33
Gandhar	Gujarat	20.00	Solar	4.14	1.99	27.42	7.86
Shambu ki Burj-I	Rajasthan	250.00	Solar	43.99	45.74	502.11	274.68
Shambu ki Burj-II	Rajasthan	150.00	Solar	27.48	23.35	316.59	95.27
Ettayapuram	Tamil Nadu	230.00	Solar	40.35	16.26	399.57	54.60
Total NTPC		3172.00		452.05	392.00	5221.29	3356.50

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) January 2024	RE Generation (MU) January 2023	RE Generation (MU) April 2023-January 2024	RE Generation (MU) April 2022-January 2023
THDC							
Patan Wind Power Project	Gujarat	50.00	Wind	4.21	7.95	64.00	70.05
Devbhumi Dwarka Wind Power Project	Gujarat	63.00	Wind	10.54	15.58	119.47	125.54
Solar Kasaragod	Kerala	50.00	Solar	8.65	9.68	78.31	75.21
Rishikesh office Premises	Uttarakhand	0.50	Solar	0.04	0.03	0.41	0.41
Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24.00	Small Hydro	5.99	7.05	60.67	69.92
Total THDC		187.50		29.43	40.29	322.86	341.13
NHPC							
Wind Power Project	Rajasthan	50.00	Wind	2.94	6.70	52.90	68.90
Solar Power Project	Tamilnadu	50.00	Solar	6.61	8.06	58.38	73.60
Total NHPC		100.00		9.55	14.76	111.27	142.50
ONGC							
Bhuj	Gujarat	51.00	Wind	2.39	6.25	18.55	68.44
Jaisalmer	Rajasthan	102.00	Wind	2.54	9.52	88.00	118.74
Assam	Assam	1.66	Roof Top	0.13	0.13	0.41	1.40
Assam	Assam	1.09	Ground Mounted	0.12	0.13	1.84	1.24
Tripura	Tripura	0.25	Roof Top	0.01	0.02	0.75	0.23
Rajahmundry,Base Complex	Andhra Pradesh	1.00	Ground Mounted	0.09	0.10	1.01	0.83
Tati Paka, Rajahmundry	Andhra Pradesh	5.00	Ground Mounted	0.61	0.51	3.94	5.43
Cauvery	Tamil Nadu	0.46	Ground Mounted	0.03	0.01	0.19	0.06
Vagara, Ankleshwar	Gujarat	5.00	Ground Mounted	0.79	0.84	5.70	7.47
Gujarat	Gujarat	4.23	Roof Top	0.40	0.41	1.25	4.26
Jodhpur	Rajasthan	0.16	Ground Mounted	0.02	0.00	0.19	0.00
Jaisalmer	Rajasthan	0.16	Ground Mounted	0.01	0.00	0.16	0.00
Uttarakhand	Uttarakhand	1.24	Roof Top	0.08	0.10	0.20	1.21

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) January 2024	RE Generation (MU) January 2023	RE Generation (MU) April 2023-January 2024	RE Generation (MU) April 2022-January 2023
Goa	Goa	1.00	Ground Mounted	0.00	0.13	0.26	1.08
Hazira	Gujarat	10.00	Ground Mounted	1.33	1.35	2.44	11.88
Hazira	Gujarat	5.00	Ground Mounted	0.80	0.10	1.54	0.10
Mumbai (Uran & NBP Green Heights)	Maharashtra	0.29	Roof Top	0.03	0.00	0.18	0.03
DDU, Bhawan, Delhi	Delhi	0.30	Roof Top	0.02	0.02	0.07	0.25
ONGC Colony Noida	Uttar Pradesh	0.06	Roof Top	0.00	0.00	0.01	0.00
EOA Logistics Park, Kakinada	Andhra Pradesh	1.00	Roof Top	0.40	0.00	0.46	0.00
Cambay	Gujarat	2.00	Ground Mounted SPP	0.30	0.00	0.22	0.00
Total ONGC		192.89		10.08	19.62	127.35	222.66
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	1.10	0.83	45.88	48.25
Sadla Wind Power	Gujarat	50.00	Wind	3.25	9.06	88.89	82.02
Charanka Solar Power	Gujarat	5.60	Solar	0.82	0.83	7.09	7.00
Wadhal Solar Power Project	Himachal Pradesh	1.00	Solar	0.06	0.07	0.85	1.11
Gurhah	Uttar Pradesh	75.00	Solar	6.83	0.00	6.83	0.00
Parasan Solar Power	Uttar Pradesh	75.00	Solar	9.46	9.46	122.54	21.70
Total SJVN		254.20		21.52	20.25	272.08	160.08
Oil India Ltd							
Oil India Ltd	Rajasthan	14.00	Solar	1.58	2.05	19.71	20.48
Oil India Ltd	Rajasthan	67.60	Wind	2.60	6.76	50.27	72.93
Oil India Ltd	Gujarat	43.30	Wind	8.09	8.79	95.00	83.30

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) January 2024	RE Generation (MU) January 2023	RE Generation (MU) April 2023-January 2024	RE Generation (MU) April 2022-January 2023
Oil India Ltd	Madhya Pradesh	63.20	Wind	2.94	8.30	83.16	88.78
Total Oil India Ltd		188.10		15.22	25.90	248.14	265.49
NEEPCO							
NEEPCO	Tripura	5.00	Solar	0.40	0.54	5.11	5.53
NEEPCO	Assam	25.00	Small Hydro	18.30	0.00	124.46	0.00
NEEPCO Total		30.00		18.70	0.54	129.57	5.53
DVC							
DVC	West Bengal	0.08	Solar	0.01	0.01	0.06	0.06
DVC	Jharkhand	4.00	Small Hydro	2.68	1.29	5.46	1.30
Total DVC		4.08		2.69	1.30	5.52	1.36
All India Total		4128.77		559.25	514.67	6438.09	4495.24

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 January 2024					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Northern Region					
ABC RENEWABLE ENERGY	Solar	54.53	52.70	-1.83	-3.36
ACME HEERGARH POWERT	Solar	48.82	48.81	-0.02	-0.04
ACSEPL_BHADLA	Solar	39.00	40.51	1.51	3.87
ADANI HYBRID	Solar	89.44	79.75	-9.70	-10.84
ADANI HYBRID FOUR	Solar	188.55	174.42	-14.12	-7.49
ADANI HYBRID THREE	Solar	68.93	60.52	-8.41	-12.20
ADANI HYBRID TWO	Solar	73.09	67.53	-5.55	-7.60
Adani RERJL	Solar	34.85	33.04	-1.81	-5.21
Adani SE Jaisalmer One	Solar	104.89	97.25	-7.63	-7.28
ADANI SE JODHPUR 2 L	Solar	9.09	8.59	-0.49	-5.45
ADANI SE4L	Solar	8.32	7.96	-0.36	-4.34
ADANI SEJ2PL M	Solar	22.26	20.65	-1.61	-7.22
ADANI SEJ2PL P	Solar	22.47	22.37	-0.09	-0.42
ADANI SEJ5PL	Solar	31.83	30.55	-1.28	-4.03
ADANI SERJ1PL	Solar	57.83	56.66	-1.17	-2.03
AEGSPL	Solar	14.82	13.76	-1.07	-7.21
ALTRA XERGI	Solar	43.04	43.21	0.17	0.40
AMPLUS_AGES	Solar	7.99	8.83	0.84	10.53
AURAIYA SOLAR	Solar	3.45	2.73	-0.72	-20.92
AVAADA RJHN	Solar	36.63	32.41	-4.22	-11.53
AVAADA SUNCE	Solar	53.74	47.01	-6.73	-12.53
AVAADA SUNRAYS	Solar	58.42	55.08	-3.34	-5.72
AVAADA SUSTAINABLE	Solar	46.58	42.31	-4.27	-9.16
AYANA RENEWABLE ONE	Solar	44.80	44.87	0.07	0.15
AZURE FORTY ONE	Solar	48.02	48.47	0.45	0.93

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of January 2024					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
AZURE FORTY THREE	Solar	90.49	87.57	-2.92	-3.23
AZURE POWER MAPLE	Solar	33.99	34.06	0.07	0.21
AZURE POWER THIRTY F	Solar	21.19	20.86	-0.34	-1.58
AZURE SOLAR	Solar	27.39	25.88	-1.51	-5.53
CLEAN SOLAR POWER	Solar	42.81	40.75	-2.06	-4.81
CSP_BHADLA	Solar	53.15	47.66	-5.49	-10.33
DADRI SOLAR	Solar	0.34	0.22	-0.12	-35.61
DEVIKOT SOLAR	Solar	45.57	44.65	-0.93	-2.03
EDEN RENEWABLE	Solar	58.01	58.94	0.93	1.60
GRIAN ENERGY	Solar	9.23	10.41	1.18	12.83
KOLYAT SOLAR BIKANER	Solar	70.62	71.23	0.61	0.87
MEGA SURYAURJA	Solar	37.29	36.94	-0.35	-0.93
MSRPL_BHDL	Solar	43.56	42.55	-1.01	-2.31
NIDAN SOLAR FATEHGAR	Solar	53.57	54.61	1.04	1.94
NOKHRA SOLAR	Solar	47.87	48.35	0.48	1.00
ONEVOLT	Solar	9.49	9.32	-0.17	-1.78
RENEW JHARKHAND	Solar	55.46	56.23	0.77	1.39
RENEW SOLAR	Solar	8.16	7.61	-0.55	-6.73
RENEW SOLAR URJA	Solar	52.72	55.88	3.16	5.99
RENEW SUN BRIGHT	Solar	54.70	55.76	1.06	1.94
RENEW SUN WAVES	Solar	55.33	55.84	0.51	0.91
RENEW SURYA RAVI	Solar	41.53	39.73	-1.80	-4.33
RENEW_SP	Solar	9.69	15.35	5.67	58.48
RISING SUN ENERGY	Solar	27.61	27.59	-0.02	-0.09
RSPPL_BKN	Solar	36.00	35.25	-0.75	-2.09
RSVPL	Solar	3.52	5.24	1.72	48.79
SINGRAULI SOLAR	Solar	1.60	1.38	-0.23	-14.09
TATA POWER GREEN ENERGY	Solar	30.42	29.24	-1.18	-3.88
TATA SOLAR	Solar	52.97	50.55	-2.42	-4.56

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of January 2024					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
THAR SURYA 1	Solar	44.00	42.60	-1.40	-3.19
TP SAURYA	Solar	14.61	14.03	-0.58	-3.97
UNCHA HAR SOLAR	Solar	0.79	0.56	-0.23	-29.52
Total		2345.12	2266.83		
Western Region					
AREH4L PSS1 KPS1 S	Solar	15.60	27.61	12.01	77.01
Arinsun Solar (Barsaitadesh)	Solar	35.73	35.28	-0.45	-1.26
Mahindra Solar (Badwar)	Solar	34.17	32.71	-1.46	-4.27
Masaya BWSPRA_KNDW	Solar	36.54	35.85	-0.69	-1.89
Sherisha Raipur	Solar	7.21	6.69	-0.52	-7.19
Solapur Solar	Solar	1.29	1.29	0.00	-0.10
Electro Solaire Private Limited (ESPL RSP Solar)	Solar	38.10	37.87	-0.23	-0.61
Tata Power Renewable Energy Limited (TPREL RSP Solar)	Solar	19.23	19.14	-0.09	-0.45
Gujarat Industries Power Company Limited (GIPCL RSP Solar)	Solar	19.39	19.37	-0.02	-0.12
Powerica Wind	Solar	9.93	8.45	-1.48	-14.94
NTPC Kawas	Solar	7.84	8.63	0.79	10.13
GSECL RSP	Solar	12.47	13.34	0.87	7.01
RPL_SECI-II	Solar	48.17	37.27	-10.90	-22.62
Gandhar_Solar	Solar	3.65	3.50	-0.15	-3.98
SITAC_CHUGGER_BHJ2_W	Solar	50.68	39.77	-10.91	-21.52
SRIJAN MORJAR_BHJ2_W	Solar	19.85	13.35	-6.51	-32.77
AWEK1L	Wind	85.37	63.04	-22.33	-26.16
Adani Wind Energy Kutchh Four Limited (AWEK4L)	Wind	50.82	45.11	-5.71	-11.23
Adani Wind Energy MP One Private Limited (AWEMP1PL)	Wind	53.49	40.08	-13.42	-25.08
Alfnar Wind (Nanavalka)	Wind	46.13	34.98	-11.15	-24.17
Green Infra Wind Energy Limited SECI-II (Giwel-II Wind (Vadva))	Wind	47.37	38.16	-9.21	-19.44
Green Infra Wind Energy Limited SECI-III (Giwel-III Wind (Naranpar))	Wind	51.10	40.39	-11.15	-24.17

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of January 2024					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
GSECL_ph2_RSP_S	Wind	14.98	14.59	-0.38	-2.57
Ostro Kutch Wind Private Limited (OKWPL)	Wind	64.07	51.14	-12.93	-20.17
Renew Wind Energy (AP2) Private Limited (Ghadsisa)	Wind	60.38	47.98	-12.39	-20.53
Avikiran Solar India Private Limited (ASIPL), Baranda	Wind	21.91	16.69	-5.21	-23.80
Apraava Khkrda Jam	Wind	31.89	29.03	-2.86	-8.96
IGESL Dayapar	Wind	40.62	21.16	-19.46	-47.92
Netra Kotda	Wind	22.02	18.04	-3.98	-18.08
Torrent Sidpur Jam	Wind	28.98	26.32	-2.66	-9.17
Athena_RUMS	Wind	35.32	35.15	-0.17	-0.49
Total		1014.26	861.97		
Southern Region					
Beetam(Tuticorin)	Wind	40.83	33.67	-7.16	-17.54
GIREL	Wind	47.10	40.20	-6.90	-14.65
Mytra	Wind	32.81	23.98	-8.83	-26.91
Orange	Wind	34.10	27.52	-6.58	-19.30
Sprng Renewable Energy Pvt Ltd(Pugalur)	Wind	37.95	20.38	-17.57	-46.30
GRTJIPL	Wind	24.03	23.13	-0.90	-3.75
JSW Renew Energy Two Limited (Tuticorin)	Wind	57.71	53.48	-4.23	-7.33
Ostro Hiriyur	Wind	61.17	46.80	-14.37	-23.49
NTPC-Ettayapuram,(Solar PV), Tuticorin	Solar	40.44	39.11	-1.33	-3.29
JSW Savlaperi	Wind	9.75	8.25	-1.50	-15.38
Roshini Renew, Koppal	Wind	39.08	30.95	-8.13	-20.80
KOPPAL_AYANASIX_W	Wind	39.70	21.49	-18.21	-45.87
Ramagundam Floating Solar	Solar	14.31	14.37	0.06	0.42
Simhadri Floating Solar	Solar	3.44	3.69	0.25	7.27
		482.42	387.02		

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 January 2024

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of January 2024								
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	0.45	0.45	0.45	100.00
Delhi	0.00	375.69	0.00	0.00	63.64	63.64	439.33	14.49
Haryana	2724.94	0.00	0.00	0.00	146.51	146.51	2871.45	5.10
HP	0.00	0.00	0.00	1241.96	71.63	1313.59	1313.59	100.00
J & K	0.00	0.00	0.00	340.28	13.30	353.58	353.58	100.00
Ladakh	0.00	0.00	0.00	13.98	0.00	13.98	13.98	100.00
Punjab	2913.76	0.00	0.00	279.95	163.12	443.07	3356.83	13.20
Rajasthan	5653.20	55.57	574.88	141.15	3139.33	3855.36	9564.13	40.31
Uttar Pradesh	12814.55	54.50	182.50	81.22	759.63	1023.35	13892.40	7.37
Uttarakhand	0.00	91.17	0.00	690.23	77.81	768.04	859.21	89.39
Northern Region Total	24106.45	576.93	757.38	2788.77	4435.42	7981.57	32664.95	24.43
WESTERN REGION								
Chhattisgarh	14579.78	0.00	0.00	16.99	213.24	230.23	14810.01	1.55
Gujarat	7441.43	516.69	617.14	312.93	2704.36	3634.43	11592.55	31.35
Madhya Pradesh	13647.84	0.00	0.00	500.48	537.96	1038.44	14686.28	7.07
Maharashtra	11674.59	488.02	546.95	385.78	1674.71	2607.44	14770.05	17.65
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	2.43	2.43	2.43	100.00
Goa	0.00	0.00	0.00	0.00	5.44	5.44	5.44	100.00
Western Region Total	47343.64	1004.71	1164.09	1216.18	5138.13	7518.40	55866.75	13.46
SOUTHERN REGION								
Andhra Pradesh	6113.39	0.00	0.00	133.95	1227.58	1361.53	7474.92	18.21

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of January 2024

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)			
Telangana	5429.67	0.00	0.00	98.28	636.87	735.15	6164.82	11.92
Karnataka	4222.98	0.00	625.68	485.28	2495.91	3606.87	7829.85	46.07
Kerala	0.00	0.00	0.00	395.39	152.43	547.82	547.82	100.00
Tamil Nadu	6280.93	169.30	1605.17	276.74	1643.26	3525.17	9975.40	35.34
Lakshadweep	5.40	0.00	0.00	0.00	0.01	0.01	5.41	0.14
Puducherry	0.00	15.88	0.00	0.00	1.02	1.02	16.90	6.04
Southern Region Total	22052.37	185.18	2230.85	1389.64	6157.08	9777.57	32015.12	30.54
EASTERN REGION								
Andaman Nicobar	28.94	0.00	0.00	0.00	3.76	3.76	32.70	11.50
Bihar	4586.23	0.00	0.00	0.00	40.61	40.61	4626.84	0.88
Jharkhand	3254.32	0.00	0.00	5.30	4.15	9.45	3263.77	0.29
Odisha	5757.90	0.00	0.00	444.72	91.39	536.11	6294.01	8.52
Sikkim	0.00	0.00	0.00	47.16	1.03	48.19	48.19	100.00
West Bengal	7415.34	0.00	0.00	185.78	145.44	331.22	7746.56	4.28
Eastern Region Total	21042.73	0.00	0.00	682.96	286.38	969.34	22012.07	4.40
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	148.59	0.17	148.76	148.76	100.00
Assam	399.79	279.20	0.00	39.85	29.16	69.01	748.00	9.23
Manipur	0.00	0.00	0.00	25.15	0.61	25.76	25.76	100.00
Meghalaya	0.00	0.00	0.00	40.07	4.98	45.05	45.05	100.00
Mizoram	0.00	0.00	0.00	16.34	8.26	24.60	24.60	100.00
Nagaland	0.00	0.00	0.00	4.73	2.80	7.53	7.53	100.00
Tripura	0.00	497.17	0.00	0.00	0.40	0.40	497.57	0.08
North Eastern Region Total	399.79	776.37	0.00	274.73	46.38	321.11	1497.27	21.45
All India Total	114944.98	2543.19	4152.32	6352.28	16063.39	26567.99	144056.16	18.44

Table 6:-Fossil and Non-Fossil Generation for the period of April 2023- January 2024

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Period of April 2023 - January 2024								
State/UT	Fossil		Non Fossil			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	10.44	10.44	10.44	100.00
Delhi	0.00	3266.79	0.00	0.00	600.60	600.60	3867.39	15.53
Haryana	24166.32	137.28	0.00	0.00	1348.29	1348.29	25651.89	5.26
HP	0.00	0.00	0.00	33510.76	2431.49	35942.25	35942.25	100.00
J & K	0.00	0.00	0.00	14266.94	360.63	14627.57	14627.57	100.00
Ladakh	0.00	0.00	0.00	361.37	0.00	361.37	361.37	100.00
Punjab	27480.61	0.00	0.00	4155.12	3635.96	7791.08	35271.69	22.09
Rajasthan	49605.93	1076.77	5838.90	750.93	38557.86	45147.69	95830.39	47.11
Uttar Pradesh	128406.26	1609.36	2236.11	748.05	5439.96	8424.12	138439.74	6.09
Uttarakhand	0.00	445.41	0.00	12575.09	778.10	13353.19	13798.60	96.77
Northern Region Total	229659.12	6535.61	8075.01	66368.26	53163.32	127606.59	363801.32	35.08
WESTERN REGION								
Chhattisgarh	134691.10	0.00	0.00	274.92	2016.86	2291.78	136982.88	1.67
Gujarat	63302.07	6722.51	6180.67	4030.02	32154.48	42365.17	112389.75	37.69
Madhya Pradesh	123995.10	0.00	0.00	5813.75	7647.98	13461.73	137456.83	9.79
Maharashtra	109164.21	3144.20	6915.92	4678.97	15414.02	27008.91	139317.32	19.39
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	23.24	23.24	23.24	100.00
Goa	0.00	0.00	0.00	0.00	57.08	57.08	57.08	100.00
Western Region Total	431152.48	9866.71	13096.59	14797.66	57313.65	85207.90	526227.09	16.19
SOUTHERN REGION								
Andhra Pradesh	58574.48	0.00	0.00	1246.45	14848.60	16095.05	74669.53	21.56
Telangana	46394.66	0.00	0.00	1170.05	6069.86	7239.91	53634.57	13.50
Karnataka	36176.37	0.00	6188.58	7748.11	25809.99	39746.68	75923.05	52.35
Kerala	0.00	0.00	0.00	4290.83	1862.48	6153.31	6153.31	100.00

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Period of April 2023 - January 2024								
State/UT	Fossil		Non Fossil			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)			
Tamil Nadu	59355.88	1587.25	13055.50	3137.72	25950.34	42143.56	103086.69	40.88
Lakshadweep	53.20	0.00	0.00	0.00	0.08	0.08	53.28	0.14
Puducherry	0.00	193.48	0.00	0.00	10.20	10.20	203.68	5.01
Southern Region Total	200554.59	1780.73	19244.08	17593.16	74551.54	111388.78	313724.10	35.51
EASTERN REGION								
Andaman Nicobar	281.64	0.00	0.00	0.00	31.17	31.17	312.81	9.96
Bihar	47853.29	0.00	0.00	0.00	259.50	259.50	48112.79	0.54
Jharkhand	29512.02	0.00	0.00	184.51	17.38	201.89	29713.91	0.68
Odisha	54387.88	0.00	0.00	5342.10	1063.96	6406.06	60793.94	10.54
Sikkim	0.00	0.00	0.00	8539.52	10.31	8549.83	8549.83	100.00
West Bengal	74097.35	0.00	0.00	2538.54	1585.57	4124.11	78221.46	5.27
Eastern Region Total	206132.18	0.00	0.00	16604.67	2967.88	19572.55	225704.73	8.67
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	3901.57	2.28	3903.85	3903.85	100.00
Assam	4330.34	2820.78	0.00	558.37	324.61	882.98	8034.10	10.99
Manipur	0.00	0.00	0.00	273.87	7.63	281.50	281.50	100.00
Meghalaya	0.00	0.00	0.00	754.19	58.58	812.77	812.77	100.00
Mizoram	0.00	0.00	0.00	98.05	82.59	180.64	180.64	100.00
Nagaland	0.00	0.00	0.00	160.26	75.73	235.99	235.99	100.00
Tripura	0.00	5442.89	0.00	0.00	3.98	3.98	5446.87	0.07
North Eastern Region Total	4330.34	8263.67	0.00	5746.31	555.40	6301.71	18895.72	33.35
All India Total	1071828.71	26446.72	40415.68	121110.06	188551.79	350077.53	1448352.96	24.17

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

Renewable Energy (State Wise) Generation(MU) for the Month of January 2024								
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	0.45	0.45	0.45	100.00
Delhi	0.00	375.69	0.00	0.00	63.64	63.64	439.33	14.49
Haryana	2724.94	0.00	0.00	0.00	146.51	146.51	2871.45	5.10
HP	0.00	0.00	0.00	1241.96	71.63	1313.59	1313.59	100.00
J & K	0.00	0.00	0.00	340.28	13.30	353.58	353.58	100.00
Ladakh	0.00	0.00	0.00	13.98	0.00	13.98	13.98	100.00
Punjab	2913.76	0.00	0.00	279.95	163.12	443.07	3356.83	13.20
Rajasthan	5653.20	55.57	574.88	141.15	3139.33	3855.36	9564.13	34.30
Uttar Pradesh	12814.55	54.50	182.50	81.22	759.63	1023.35	13892.40	6.05
Uttarakhand	0.00	91.17	0.00	690.23	77.81	768.04	859.21	89.39
Northern Region Total	24106.45	576.93	757.38	2788.77	4435.42	7981.57	32664.95	22.12
WESTERN REGION								
Chhattisgarh	14579.78	0.00	0.00	16.99	213.24	230.23	14810.01	1.55
Gujarat	7441.43	516.69	617.14	312.93	2704.36	3634.43	11592.55	26.03
Madhya Pradesh	13647.84	0.00	0.00	500.48	537.96	1038.44	14686.28	7.07
Maharashtra	11674.59	488.02	546.95	385.78	1674.71	2607.44	14770.05	13.95
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	2.43	2.43	2.43	100.00
Goa	0.00	0.00	0.00	0.00	5.44	5.44	5.44	100.00
Western Region Total	47343.64	1004.71	1164.09	1216.18	5138.13	7518.40	55866.75	11.37
SOUTHERN REGION								
Andhra Pradesh	6113.39	0.00	0.00	133.95	1227.58	1361.53	7474.92	18.21
Telangana	5429.67	0.00	0.00	98.28	636.87	735.15	6164.82	11.92
Karnataka	4222.98	0.00	625.68	485.28	2495.91	3606.87	7829.85	38.07

Renewable Energy (State Wise) Generation(MU) for the Month of January 2024								
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	395.39	152.43	547.82	547.82	100.00
Tamil Nadu	6280.93	169.30	1605.17	276.74	1643.26	3525.17	9975.40	19.25
Lakshadweep	5.40	0.00	0.00	0.00	0.01	0.01	5.41	0.14
Puducherry	0.00	15.88	0.00	0.00	1.02	1.02	16.90	6.04
Southern Region Total	22052.37	185.18	2230.85	1389.64	6157.08	9777.57	32015.12	23.57
EASTERN REGION								
Andaman Nicobar	28.94	0.00	0.00	0.00	3.76	3.76	32.70	11.50
Bihar	4586.23	0.00	0.00	0.00	40.61	40.61	4626.84	0.88
Jharkhand	3254.32	0.00	0.00	5.30	4.15	9.45	3263.77	0.29
Odisha	5757.90	0.00	0.00	444.72	91.39	536.11	6294.01	8.52
Sikkim	0.00	0.00	0.00	47.16	1.03	48.19	48.19	100.00
West Bengal	7415.34	0.00	0.00	185.78	145.44	331.22	7746.56	4.28
Eastern Region Total	21042.73	0.00	0.00	682.96	286.38	969.34	22012.07	4.40
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	148.59	0.17	148.76	148.76	100.00
Assam	399.79	279.20	0.00	39.85	29.16	69.01	748.00	9.23
Manipur	0.00	0.00	0.00	25.15	0.61	25.76	25.76	100.00
Meghalaya	0.00	0.00	0.00	40.07	4.98	45.05	45.05	100.00
Mizoram	0.00	0.00	0.00	16.34	8.26	24.60	24.60	100.00
Nagaland	0.00	0.00	0.00	4.73	2.80	7.53	7.53	100.00
Tripura	0.00	497.17	0.00	0.00	0.40	0.40	497.57	0.08
North Eastern Region Total	399.79	776.37	0.00	274.73	46.38	321.11	1497.27	21.45
All India Total	114944.98	2543.19	4152.32	6352.28	16063.39	26567.99	144056.16	15.56

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

Renewable Energy (State Wise Generation (MU) for the Period of April 2023- January 2024								
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	10.44	10.44	10.44	100.00
Delhi	0.00	3266.79	0.00	0.00	600.60	600.60	3867.39	15.53
Haryana	24166.32	137.28	0.00	0.00	1348.29	1348.29	25651.89	5.26
HP	0.00	0.00	0.00	33510.76	2431.49	35942.25	35942.25	100.00
J & K	0.00	0.00	0.00	14266.94	360.63	14627.57	14627.57	100.00
Ladakh	0.00	0.00	0.00	361.37	0.00	361.37	361.37	100.00
Punjab	27480.61	0.00	0.00	4155.12	3635.96	7791.08	35271.69	22.09
Rajasthan	49605.93	1076.77	5838.90	750.93	38557.86	45147.69	95830.39	41.02
Uttar Pradesh	128406.26	1609.36	2236.11	748.05	5439.96	8424.12	138439.74	4.47
Uttarakhand	0.00	445.41	0.00	12575.09	778.10	13353.19	13798.60	96.77
Northern Region Total	229659.12	6535.61	8075.01	66368.26	53163.32	127606.59	363801.32	32.86
WESTERN REGION								
Chhattisgarh	134691.10	0.00	0.00	274.92	2016.86	2291.78	136982.88	1.67
Gujarat	63302.07	6722.51	6180.67	4030.02	32154.48	42365.17	112389.75	32.20
Madhya Pradesh	123995.10	0.00	0.00	5813.75	7647.98	13461.73	137456.83	9.79
Maharashtra	109164.21	3144.20	6915.92	4678.97	15414.02	27008.91	139317.32	14.42
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	23.24	23.24	23.24	100.00
Goa	0.00	0.00	0.00	0.00	57.08	57.08	57.08	100.00
Western Region Total	431152.48	9866.71	13096.59	14797.66	57313.65	85207.90	526227.09	13.70
SOUTHERN REGION								
Andhra Pradesh	58574.48	0.00	0.00	1246.45	14848.60	16095.05	74669.53	21.56
Telangana	46394.66	0.00	0.00	1170.05	6069.86	7239.91	53634.57	13.50
Karnataka	36176.37	0.00	6188.58	7748.11	25809.99	39746.68	75923.05	44.20

Renewable Energy (State Wise Generation (MU) for the Period of April 2023- January 2024								
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	4290.83	1862.48	6153.31	6153.31	100.00
Tamil Nadu	59355.88	1587.25	13055.50	3137.72	25950.34	42143.56	103086.69	28.22
Lakshadweep	53.20	0.00	0.00	0.00	0.08	0.08	53.28	0.14
Puducherry	0.00	193.48	0.00	0.00	10.20	10.20	203.68	5.01
Southern Region Total	200554.59	1780.73	19244.08	17593.16	74551.54	111388.78	313724.10	29.37
EASTERN REGION								
Andaman Nicobar	281.64	0.00	0.00	0.00	31.17	31.17	312.81	9.96
Bihar	47853.29	0.00	0.00	0.00	259.50	259.50	48112.79	0.54
Jharkhand	29512.02	0.00	0.00	184.51	17.38	201.89	29713.91	0.68
Odisha	54387.88	0.00	0.00	5342.10	1063.96	6406.06	60793.94	10.54
Sikkim	0.00	0.00	0.00	8539.52	10.31	8549.83	8549.83	100.00
West Bengal	74097.35	0.00	0.00	2538.54	1585.57	4124.11	78221.46	5.27
Eastern Region Total	206132.18	0.00	0.00	16604.67	2967.88	19572.55	225704.73	8.67
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	3901.57	2.28	3903.85	3903.85	100.00
Assam	4330.34	2820.78	0.00	558.37	324.61	882.98	8034.10	10.99
Manipur	0.00	0.00	0.00	273.87	7.63	281.50	281.50	100.00
Meghalaya	0.00	0.00	0.00	754.19	58.58	812.77	812.77	100.00
Mizoram	0.00	0.00	0.00	98.05	82.59	180.64	180.64	100.00
Nagaland	0.00	0.00	0.00	160.26	75.73	235.99	235.99	100.00
Tripura	0.00	5442.89	0.00	0.00	3.98	3.98	5446.87	0.07
North Eastern Region Total	4330.34	8263.67	0.00	5746.31	555.40	6301.71	18895.72	33.35
All India Total	1071828.71	26446.72	40415.68	121110.06	188551.79	350077.53	1448352.96	21.38

Table 9: Monthly Source wise RE generation January -2024 and January -2023

RE generation(MUs) data (source wise) for the month of January -2024 and January -2023														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23
NORTHERN REGION														
Chandigarh	0.00	0.00	0.45	0.72	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	17.21	0.00	0.00	0.00	0.00	0.00	0.00	46.43	26.94	0.00	0.00
Haryana	0.00	0.00	96.90	12.02	20.79	31.34	3.11	10.87	21.14	24.36	4.57	4.59	0.00	0.00
Himachal Pradesh	0.00	0.00	4.45	4.10	0.00	0.00	0.00	0.00	67.18	94.02	0.00	0.00	1241.96	1317.62
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	16.12	0.00	0.00	340.28	456.09
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	13.98	13.99
Punjab	0.00	0.00	38.65	245.95	60.08	54.96	37.25	39.15	27.14	37.34	0.00	0.00	279.95	309.67
Rajasthan	334.78	471.84	2767.32	2983.92	35.35	35.34	0.00	0.00	1.88	1.86	0.00	0.00	141.15	131.31
Uttar Pradesh	0.00	0.00	205.22	248.38	7.61	8.80	528.00	624.19	15.68	22.55	3.13	4.45	81.22	129.78
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	690.23	852.11
Northern Region	334.78	471.84	3157.85	3539.94	123.83	130.44	589.07	694.92	175.76	225.70	54.13	35.98	2788.77	3210.57
WESTERN REGION														
Chhattisgarh	0.00	0.00	78.92	71.54	126.65	134.79	2.79	6.08	4.87	3.16	0.00	0.00	16.99	3.73
Gujarat	1455.35	2119.95	1226.22	1005.16	0.00	0.00	1.39	2.87	21.39	20.35	0.00	0.00	312.93	258.45
Madhya Pradesh	169.63	346.41	289.36	300.84	7.92	10.61	26.12	22.17	43.11	43.28	1.82	2.75	500.48	459.20
Maharashtra	348.55	267.32	504.20	451.49	21.98	26.19	720.42	791.54	72.16	71.75	7.40	0.01	385.78	440.34
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	1.39	1.29	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	4.76	1.51	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.42	0.00	0.00

RE generation(MUs) data (source wise) for the month of January -2024 and January -2023														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23
Western Region	1973.53	2733.68	2104.85	1831.84	157.59	171.59	750.72	822.67	141.53	138.54	9.90	3.18	1216.18	1161.72
SOUTHERN REGION														
Andhra Pradesh	481.89	408.49	693.16	773.33	2.17	3.81	10.53	11.31	15.12	47.50	24.71	25.52	133.95	214.91
Telangana	22.83	21.07	574.68	625.68	0.37	0.04	22.05	28.32	3.68	3.33	13.26	14.30	98.28	181.06
Karnataka	633.18	644.56	1314.57	1379.44	2.02	7.24	514.00	586.03	32.14	97.49	0.00	0.00	485.28	1055.36
Kerala	6.34	7.50	106.68	150.51	0.00	0.00	6.17	6.55	33.24	28.84	0.00	0.00	395.39	470.10
Tamil Nadu	622.57	726.61	935.73	876.68	11.61	10.60	50.32	84.92	23.04	37.46	0.00	0.00	276.74	648.23
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	1766.80	1808.23	3625.85	3806.66	16.17	21.69	603.07	717.13	107.21	214.62	37.97	39.82	1389.64	2569.66
EASTERN REGION														
Andaman Nicobar	0.00	0.00	2.87	1.92	0.00	0.00	0.00	0.00	0.89	0.99	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	15.90	12.61	0.00	0.00	24.57	27.26	0.13	0.99	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	1.47	1.47	0.00	0.00	0.00	0.00	2.68	0.00	0.00	0.00	5.30	3.78
Odisha	0.00	0.00	62.29	62.42	8.76	7.74	0.00	0.00	20.35	21.52	0.00	0.00	444.72	337.87
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	47.16	279.66
West Bengal	0.00	0.00	9.51	9.50	0.00	0.00	0.00	0.00	14.94	14.94	120.99	120.99	185.78	237.63
Eastern Region	0.00	0.00	92.04	87.91	8.76	7.74	24.57	27.26	40.02	39.47	120.99	120.99	682.96	858.94

RE generation(MUs) data (source wise) for the month of January -2024 and January -2023														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23	Jan'24	Jan'23
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	0.13	0.19	0.00	0.00	0.00	0.00	0.05	0.06	0.00	0.00	148.59	178.34
Assam	0.00	0.00	26.47	22.03	0.00	0.00	0.00	0.00	2.54	4.63	0.15	0.00	39.85	18.49
Manipur	0.00	0.00	0.61	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.15	14.06
Megh alaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.98	3.51	0.00	0.00	40.07	30.45
Mizoram	0.00	0.00	0.27	0.27	0.00	0.00	0.00	0.00	7.99	7.99	0.00	0.00	16.34	16.14
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	3.69	0.00	0.00	4.73	4.78
Tripura	0.00	0.00	0.40	0.54	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	27.83	23.66	0.00	0.00	0.00	0.00	18.36	19.89	0.15	0.00	274.73	262.26
All India Total	4075.12	5013.74	9008.47	9290.01	306.36	331.45	1967.43	2261.97	482.88	638.23	223.14	199.97	6352.28	8063.15

Table 10: Cumulative Source wise RE generation April 2023-January 2024 and April 2022-January 2023

RE generation(MUs) data (source wise) for the period of April 2023 -January 2024 and April 2022 -January 2023														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23
NORTHERN REGION														
Chandigarh	0.00	0.00	10.44	9.75	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	172.11	201.69	0.00	0.00	0.00	0.00	0.00	0.00	428.49	225.37	0.00	0.00
Haryana	0.00	0.00	798.52	460.67	239.78	303.65	60.57	161.18	199.94	217.50	49.48	53.71	0.00	0.00
Himachal Pradesh	0.00	0.00	49.39	50.69	0.00	0.00	0.00	0.00	2382.10	2653.15	0.00	0.00	33510.76	35805.39
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	360.63	343.15	0.00	0.00	14266.94	14889.29
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	361.37	373.83
Punjab	0.00	0.00	2442.03	2165.74	500.57	397.57	120.94	123.39	572.42	587.03	0.00	0.00	4155.12	3753.15
Rajasthan	7196.37	5467.08	31042.22	28104.14	314.83	331.44	0.00	0.00	4.43	5.09	0.00	0.00	750.93	773.84
Uttar Pradesh	0.00	0.00	3172.20	2945.98	32.00	54.37	2014.24	2144.13	141.71	195.15	79.81	46.48	748.05	826.58
Uttarakhand	0.00	0.00	276.50	276.50	0.00	0.00	207.10	207.10	294.50	294.50	0.00	0.00	12575.09	14029.64
Northern Region	7196.37	5467.08	37963.41	34215.17	1087.19	1087.02	2402.84	2635.80	3955.74	4295.57	557.78	325.56	66368.26	70451.72
WESTERN REGION														
Chhattisgarh	0.00	0.00	701.22	482.98	1164.96	954.35	11.64	11.01	139.04	140.95	0.00	0.00	274.92	194.00
Gujarat	21259.90	17062.81	10725.96	8215.84	0.00	0.00	2.13	5.76	166.50	165.11	0.00	2.24	4030.02	5424.48
Madhya Pradesh	4116.24	4000.28	2985.66	3155.92	72.77	20.84	53.41	69.46	398.23	301.10	21.68	29.21	5813.75	6346.66
Maharashtra	7469.55	6553.88	4634.41	3441.24	250.15	194.42	2281.51	3402.56	757.08	648.18	21.32	0.37	4678.97	4928.84

RE generation(MUs) data (source wise) for the period of April 2023 -January 2024 and April 2022 -January 2023														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	12.49	24.46	10.76	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	50.48	11.84	0.00	0.00	0.00	0.00	0.00	0.00	6.60	4.24	0.00	0.00
Western Region	32845.69	27616.97	19110.20	15332.28	1498.63	1172.82	2348.68	3488.80	1460.85	1255.34	49.60	36.07	14797.66	16893.98
SOUTHERN REGION														
Andhra Pradesh	7739.41	6691.66	6684.06	6601.74	15.55	49.38	43.10	80.72	111.09	332.60	255.39	231.60	1246.45	3343.21
Telangana	265.75	244.61	5563.55	5428.40	4.25	21.41	60.87	87.14	53.85	86.20	121.59	133.77	1170.05	5771.16
Karnataka	9849.40	8657.01	12433.73	11363.08	46.22	96.57	2151.40	2281.26	1329.24	2154.03	0.00	0.00	7748.11	11080.07
Kerala	203.05	165.18	946.91	697.67	0.00	0.00	66.62	52.08	645.86	767.45	0.04	0.00	4290.83	7059.12
Tamil Nadu	15800.05	15703.60	9404.14	7505.74	107.17	106.09	473.75	627.90	165.24	268.73	0.00	0.00	3137.72	5395.05
Lakshadweep	0.00	0.00	0.08	0.09	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	10.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Southern Region	33857.66	31462.05	35042.66	31606.92	173.19	273.45	2795.73	3129.10	2305.28	3609.02	377.02	365.37	17593.16	32648.61
EASTERN REGION														
Andaman Nicobar	0.00	0.00	20.97	19.49	0.00	0.00	0.00	0.00	10.20	12.94	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	156.55	139.53	0.00	0.00	97.30	62.89	5.65	10.90	0.00	0.00	0.00	0.00

RE generation(MUs) data (source wise) for the period of April 2023 -January 2024 and April 2022 -January 2023														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23	Apr'23-Jan'24	Apr'22-Jan'23
Jharkhand	0.00	0.00	14.70	16.76	0.00	0.00	0.00	0.00	2.68	0.00	0.00	0.00	184.51	284.85
Odisha	0.00	0.00	611.06	571.62	81.97	49.88	0.00	0.00	370.93	383.50	0.00	0.00	5342.10	4802.47
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	10.30	0.00	0.00	8539.52	11138.52
West Bengal	0.00	0.00	128.81	101.50	0.00	0.00	0.00	0.00	178.59	181.55	1278.18	1369.73	2538.54	3098.92
Eastern Region	0.00	0.00	932.09	848.91	81.97	49.88	97.30	62.89	578.35	599.19	1278.18	1369.73	16604.67	19324.76
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	1.72	21.93	0.00	0.00	0.00	0.00	0.56	2.40	0.00	0.03	3901.57	4463.11
Assam	0.00	0.00	264.94	174.20	0.00	0.00	0.00	0.00	59.12	56.72	0.54	0.00	558.37	454.02
Manipur	0.00	0.00	6.40	6.93	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.01	273.87	460.49
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.58	63.92	0.00	0.00	754.19	918.20
Mizoram	0.00	0.00	2.66	2.68	0.00	0.00	0.00	0.00	79.94	43.07	0.00	0.00	98.05	182.63
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.73	105.76	0.00	0.00	160.26	169.24
Tripura	0.00	0.00	3.98	5.49	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	279.69	211.23	0.00	0.00	0.00	0.00	273.93	271.87	1.77	0.04	5746.31	6647.69
All India Total	73899.71	64546.10	93328.05	82214.50	2840.97	2583.17	7644.56	9316.59	8574.14	10030.98	2264.35	2096.76	121110.06	145966.76



This report is published by
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