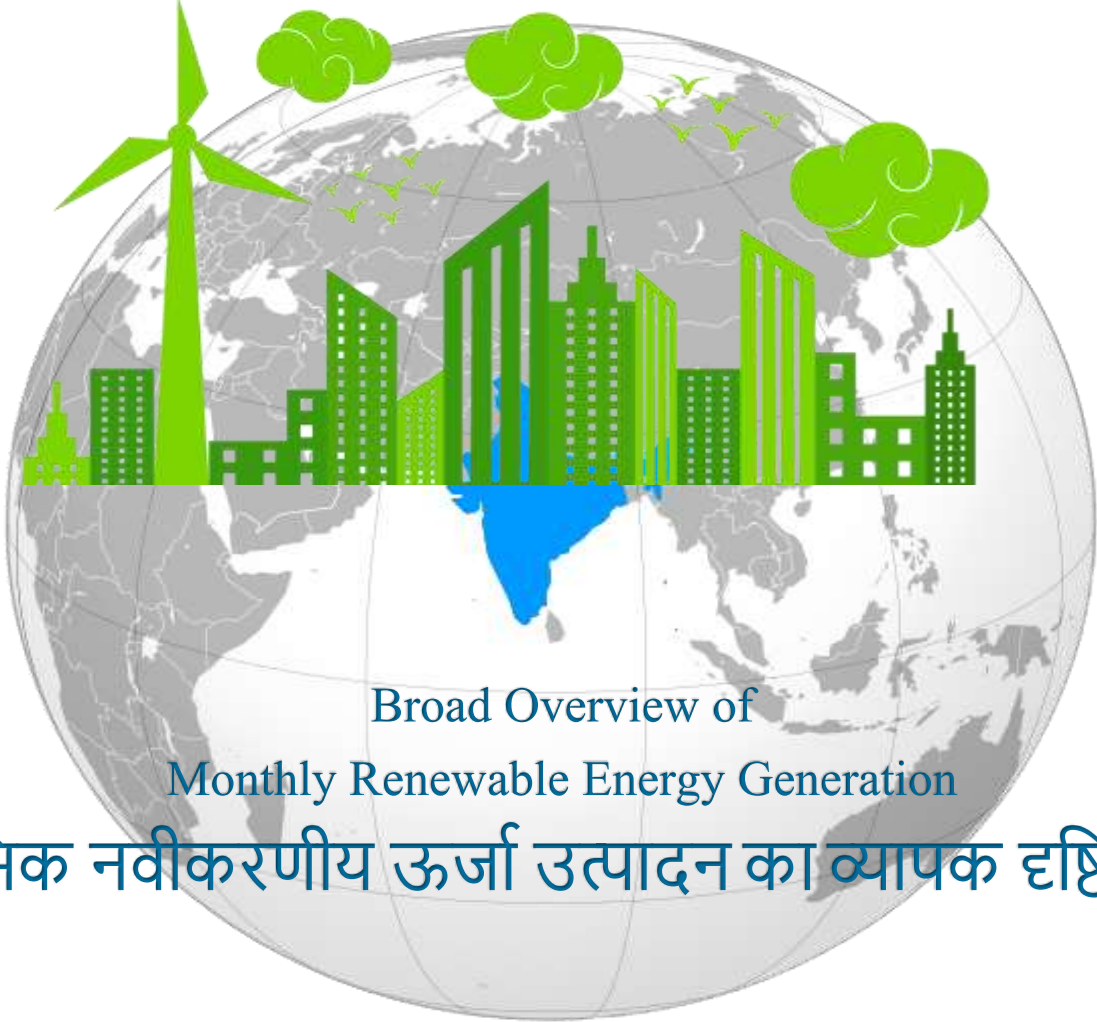




भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority



Broad Overview of
Monthly Renewable Energy Generation
मासिक नवीकरणीय ऊर्जा उत्पादन का व्यापक दृष्टिकोण

December-2024/दिसंबर -2024

नवीकरणीय परियोजना प्रबोधन प्रभाग
Renewable Project Monitoring Division

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Renewable Energy at a Glance

A. Year wise details of Installed Capacity

As On	Non RES Installed Capacity (MW)	RES Installed Capacity (MW)	Large Hydro Installed Capacity (MW)	RES including Large Hydro Installed Capacity (MW)	Total Installed Capacity (MW)	Percentage of RE to total Installed Capacity	Incremental RE Capacity in MW (Excluding Large Hydro)
31-Mar-14	173035	34988	40531	75519	248554	30	
31-Mar-15	194678	38959	41267	80227	274904	29	3971
31-Mar-16	216455	45924	42783	88707	305163	29	6965
31-Mar-17	225110	57244	44478	101723	326833	31	11320
31-Mar-18	229687	69022	45293	114316	344002	33	11778
31-Mar-19	233059	77642	45399	123041	356100	35	8619
31-Mar-20	237380	87028	45699	132727	370106	36	9386
31-Mar-21	236870	94434	46209	140643	377513	37	7406
31-Mar-22	236392	109885	46723	156608	393000	40	15452
31-Mar-23	244049	125160	46850	172010	416059	41	15274
31-Mar-24	251397	143645	46928	190573	441970	43	18485
31-Dec-24	252620	162477	46968	209445	462065	45	

B. Year wise details of Electricity generation

Year	Conventional Generation # (BU)	RES Generation (BU)	Large Hydro Generation (BU)	RES including Large Hydro Generation (BU)	Total Generation (BU)	Percentage of RE(Excluding Large Hydro) to total Generation	% Growth RES Generation (Excluding Large Hydro)
2013-14	832	53	135	188	1020	5	
2014-15	919	62	129	191	1110	6	16%
2015-16	986	66	121	187	1174	6	7%
2016-17	1038	82	122	204	1242	7	24%
2017-18	1080	102	126	228	1308	8	25%
2018-19	1114	127	135	262	1376	9	24%
2019-20	1095	138	156	294	1389	10	9%
2020-21	1084	147	150	298	1382	11	6%
2021-22	1169	171	152	323	1492	11	16%
2022-23	1252	204	162	366	1618	13	19%
2023-24	1374	226	134	360	1734	13	11%
2024-25 (upto Dec -24)	1065	189	125	315	1380	14	

C. Year wise RE Generation

Year	Wind (MU)	Solar (MU)	Biomass (MU)	Bagasse (MU)	Small Hydro (MU)	Others (MU)	Large Hydro (MU)	Total RE including Large Hydro(MU)
2019-20	64646	50131	2938	10804	9451	366	155769	294106
2020-21	60150	60402	3513	11303	10258	1621	150300	297547
2021-22	68640	73484	3483	12574	10464	2268	151627	322540
2022-23	71814	102014	3161	12863	11171	2529	162099	365651
2023-24	83385	115975	3417	10826	9485	2747	134054	359889
2024-25(Dec 2024)	67983	102140	2697	4752	9766	2152	125422	314911

Sector-wise Achievement as on 31/12/2024

Sector	Installed capacity (GW)	Under Implementation (GW)	Tendered (GW)	Total Installed/ Pipeline (GW)
Solar Power*	97.86	84.19	50.83	232.88
Wind Power	48.16	26.2	0.60	74.96
Bio Energy#	11.35	0.00	0.00	11.35
Small Hydro	5.08	0.46	0.00	5.54
Hybrid/ Round the Clock (RTC)/ Peaking Power/ Thermal + RE Bundling	0	36.33	27.84	64.17
Sub-Total	162.47	147.16	79.27	388.90
Large Hydro^	46.97	20.05	0.00	67.02
Total	209.44	167.21	79.27	455.92
Nuclear Power	8.18	7.3	7.00 ^{\$}	22.48
Total Non-Fossil Fuel	217.62	174.51	86.27	478.40

(*97.86 GW includes 75.19 GW from Ground Mounted, 15.67 GW from Rooftop, 2.77 GW from Solar Comp. of Hybrid Projects & 4.23 GW from Off-Grid Solar)

#Includes Waste to Energy off grid capacity of 0.37 GW

^Large Hydro includes 4745.60 MW Pumped Storage

\$Projects accorded for Administrative Approval

Capacity addition in 2024-25 (upto December 2024): **18872.73 MW**

Capacity addition in the month of December 2024: **3924.17 MW**

Source: Ministry of New & Renewable Energy

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Highlights of RE Generation

1. RE capacity addition during December 2024 has been 3924.17 MW (Solar – 3696.89 MW, Wind – 204.03 MW, Waste to energy –6.95 MW, Small Hydro- 16.3 MW).
2. All India RE generation during December 2024 has increased by 20.02 % as compared to December 2023.
3. Large Hydro Power generation during December 2024 as compared to December 2023 has increased by 25.72 % on All India Basis except Jammu & Kashmir, Punjab and Meghalaya.
4. Solar Power generation during December 2024 as compared to December 2023 has increased by 24.58 % on All India Basis except Andhra Pradesh, Telangana and Odisha.
5. Wind Power generation during December 2024 as compared to December 2023 has increased by 12.41 % on All India Basis.
6. Biomass Power generation during December 2024 as compared to December 2023 has increased by 14.46 % on All India Basis except Maharashtra.
7. Bagasse power generation during December 2024 as compared to December 2023 has increased by 0.13 %.
8. Others (Waste to Energy) Power generation has decreased by 1.56 % during December 2024 as compared to December 2023 on All India basis.
9. Small Hydro Power generation during December 2024 as compared to December 2023 has increased by 36.30 % on All India Basis except Kerala.
10. The generation from ISGS stations (Solar and Wind plants) for the month of December 2024 is 5441.75 MUs which is 23.72 % of the Monthly RE generation during the month.
11. The generation from CPSUs for the month of December 2024 is 791.32 MUs which is 3.45 % of the Monthly RE generation during the month.

Fig1:- All India RE Capacity Addition

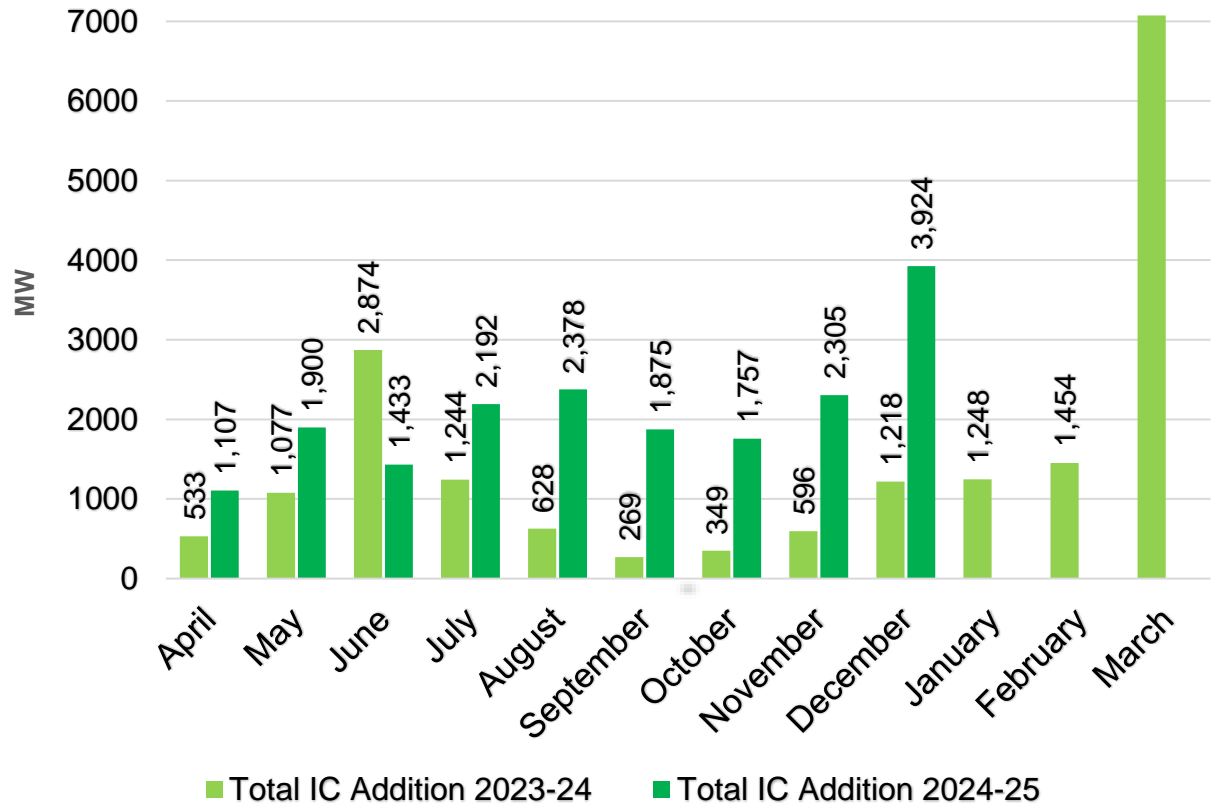
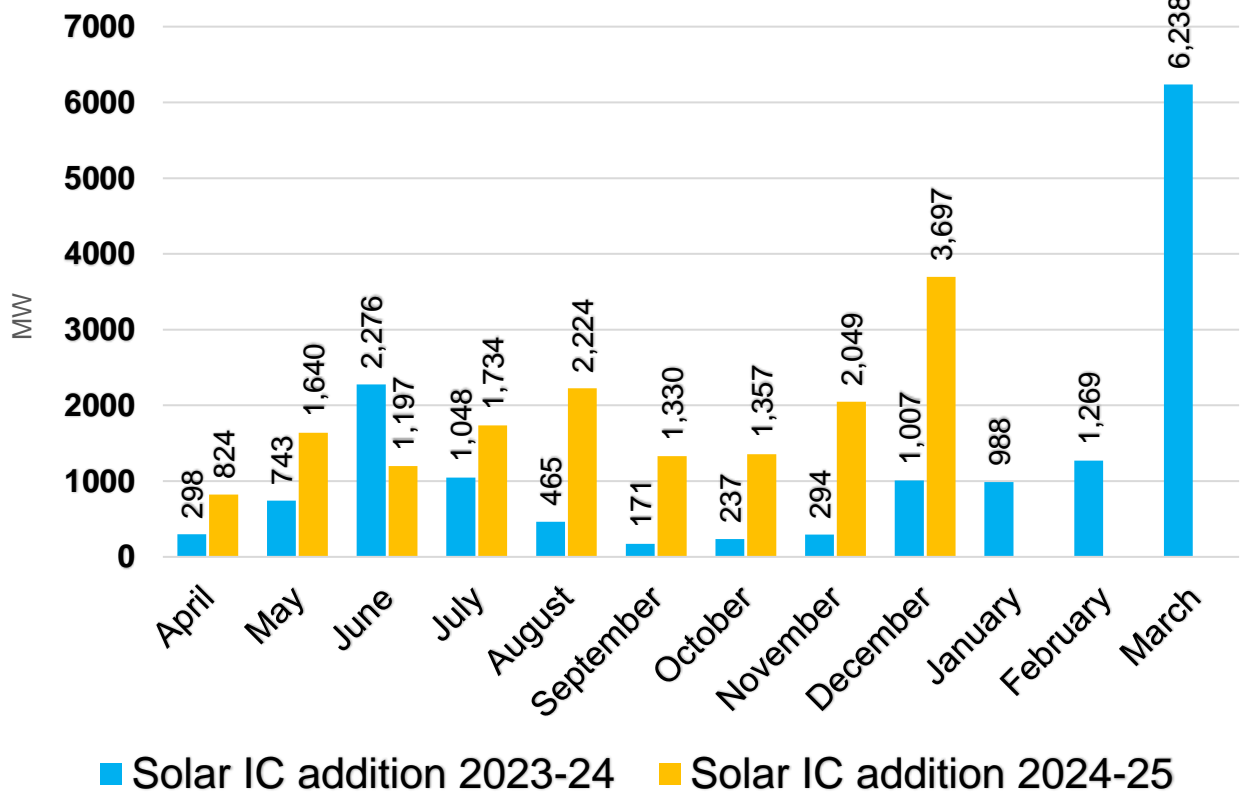
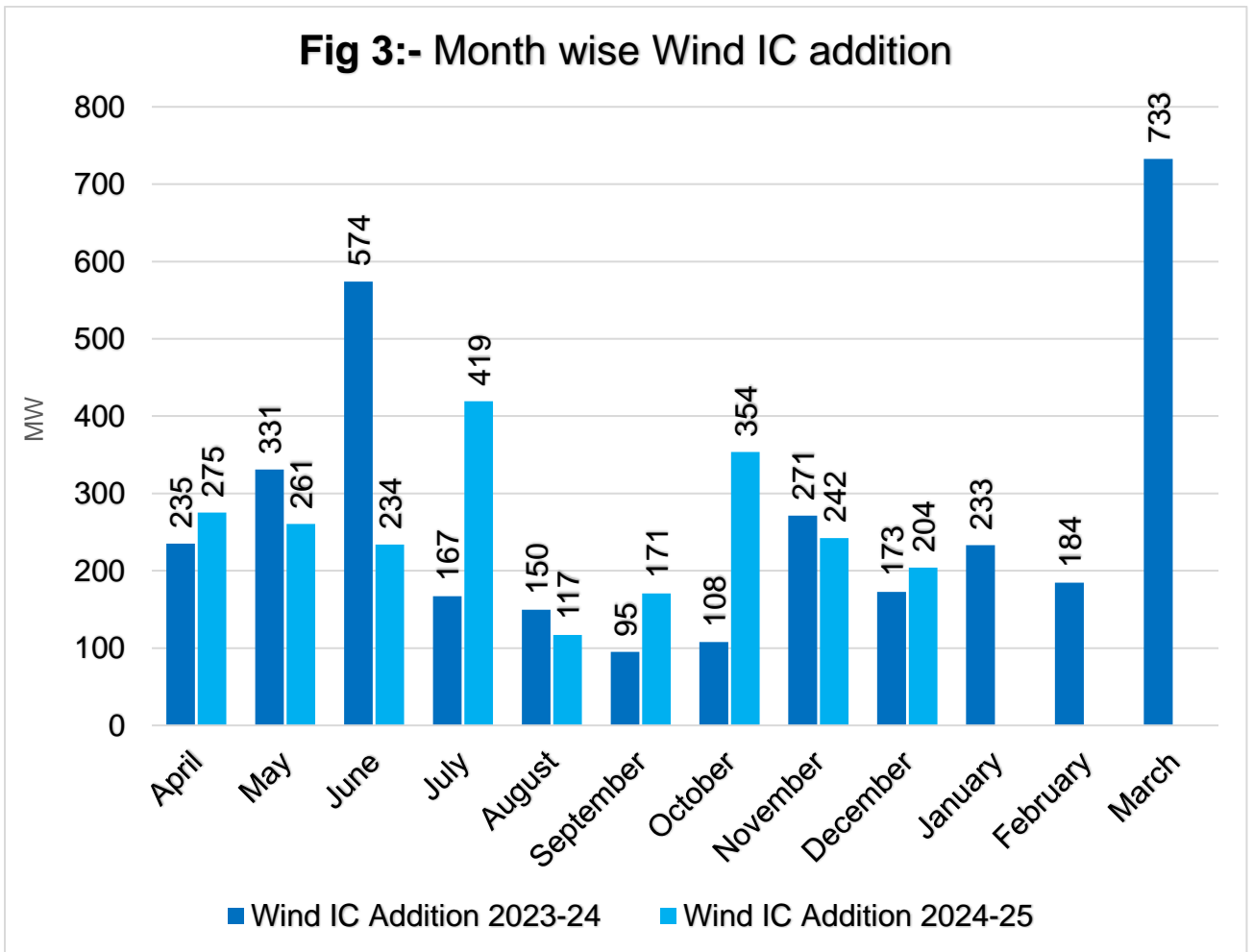


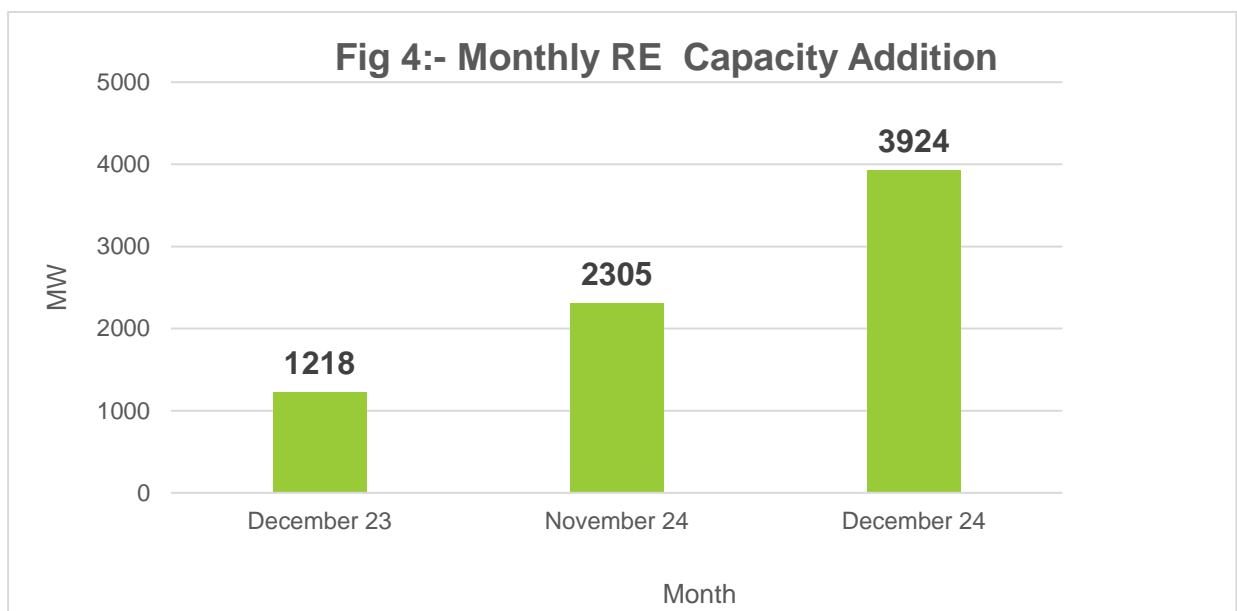
Fig 2:- Month wise Solar IC addition





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

- ❖ Increased by 70.24 % as compared to December 23.
- ❖ Increased by 222.17 % as compared to November 24.



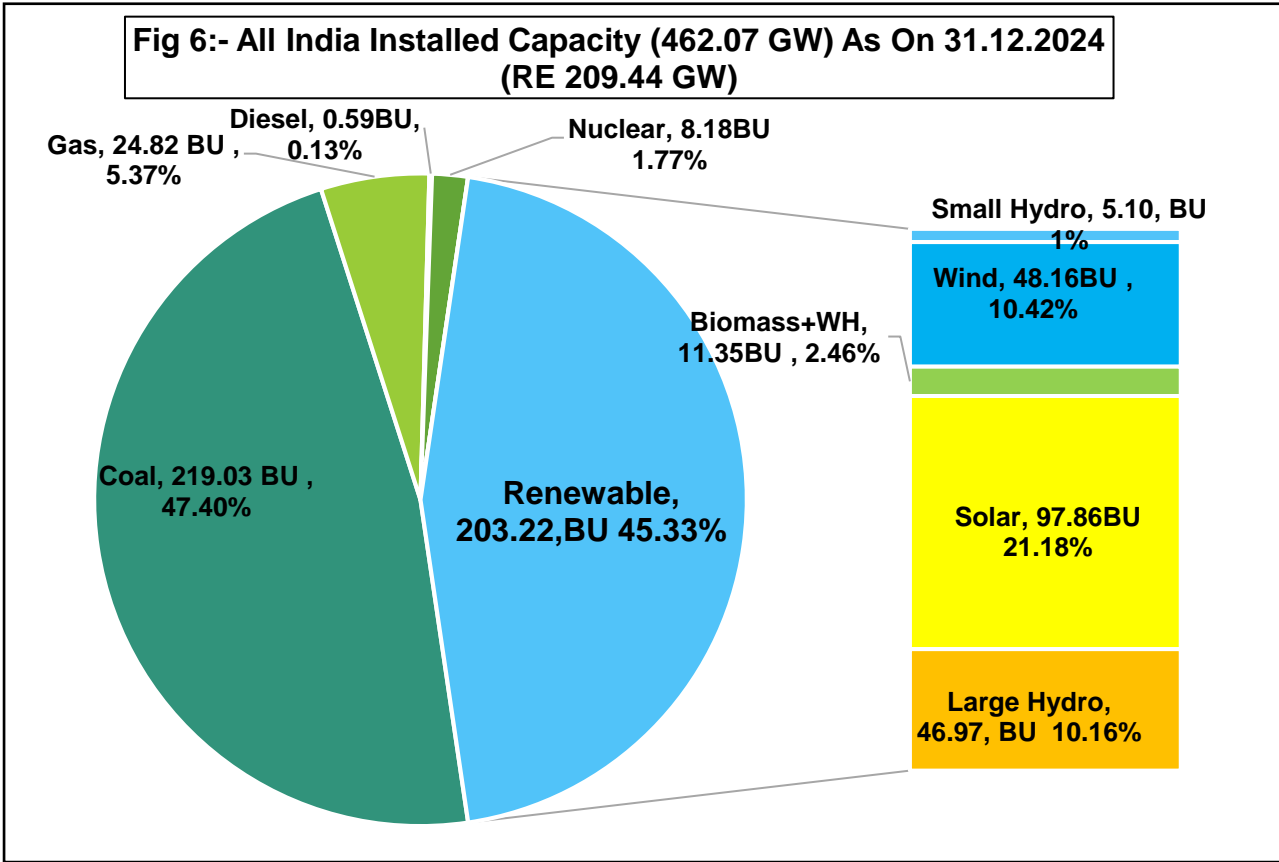
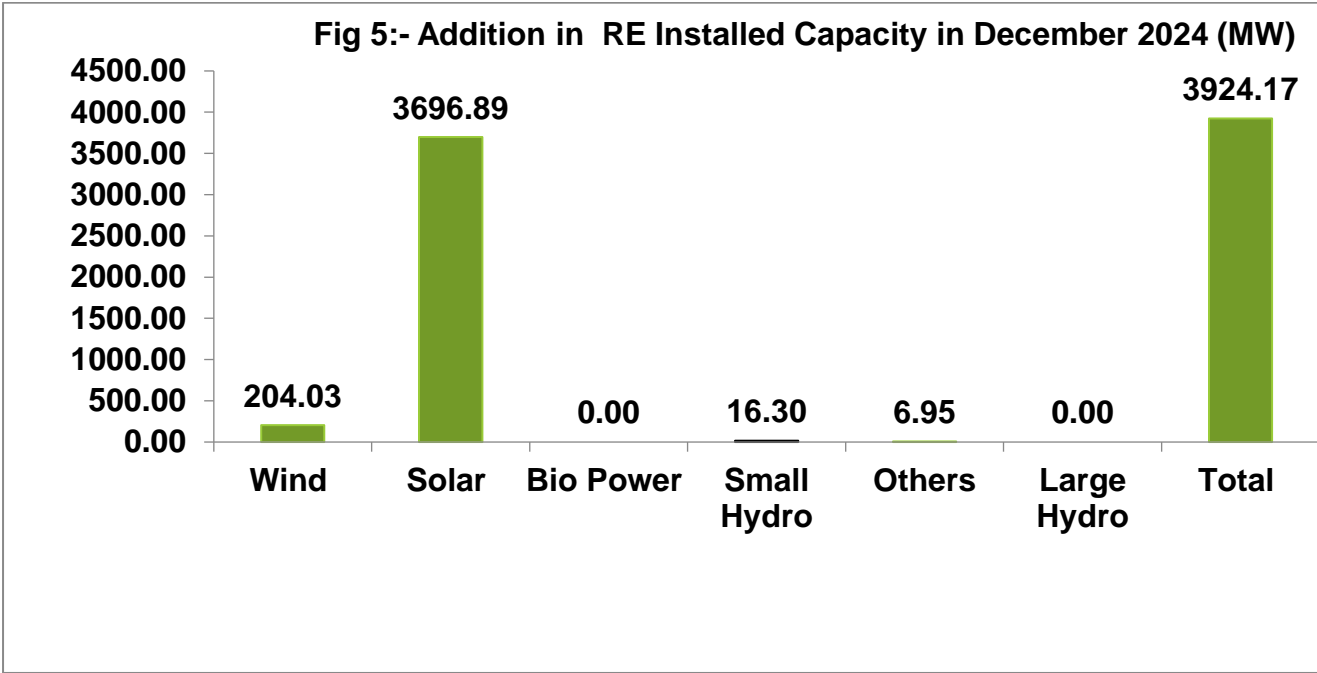


Fig 7:- All India Cumulative Energy Generation (1379.62 BU) April-December 2024

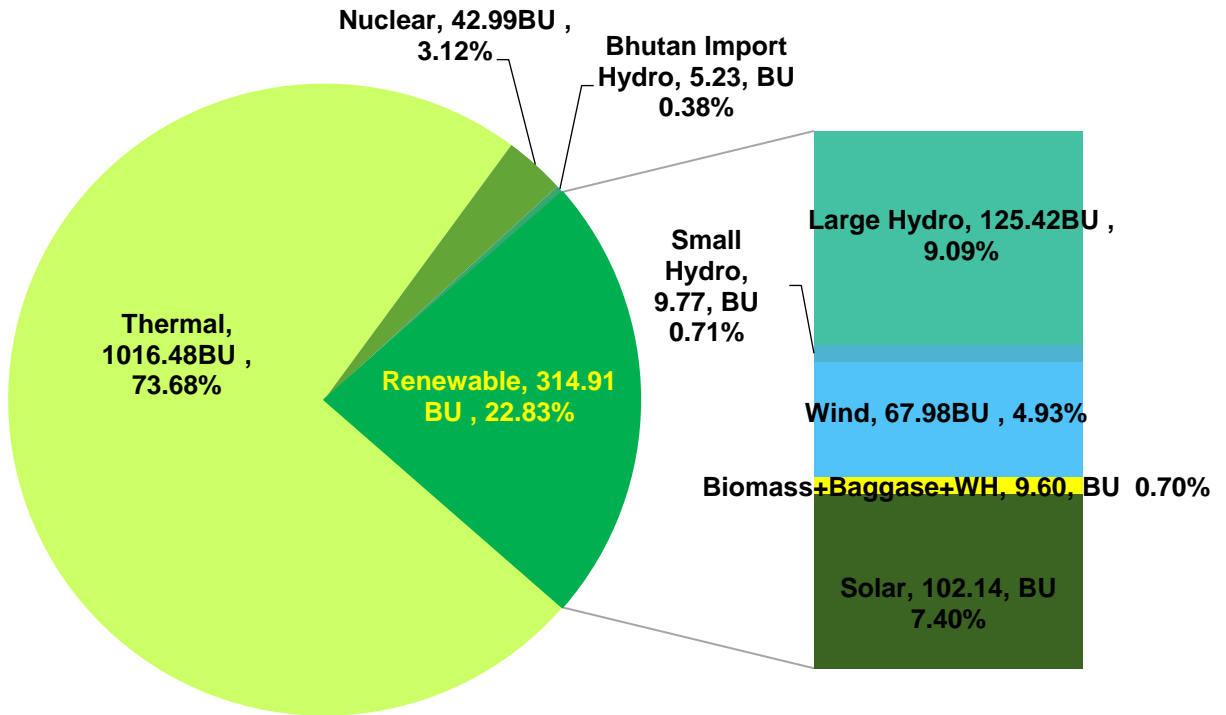


Fig 8:- All India Monthly Energy Generation (140.60 BU) December 2024

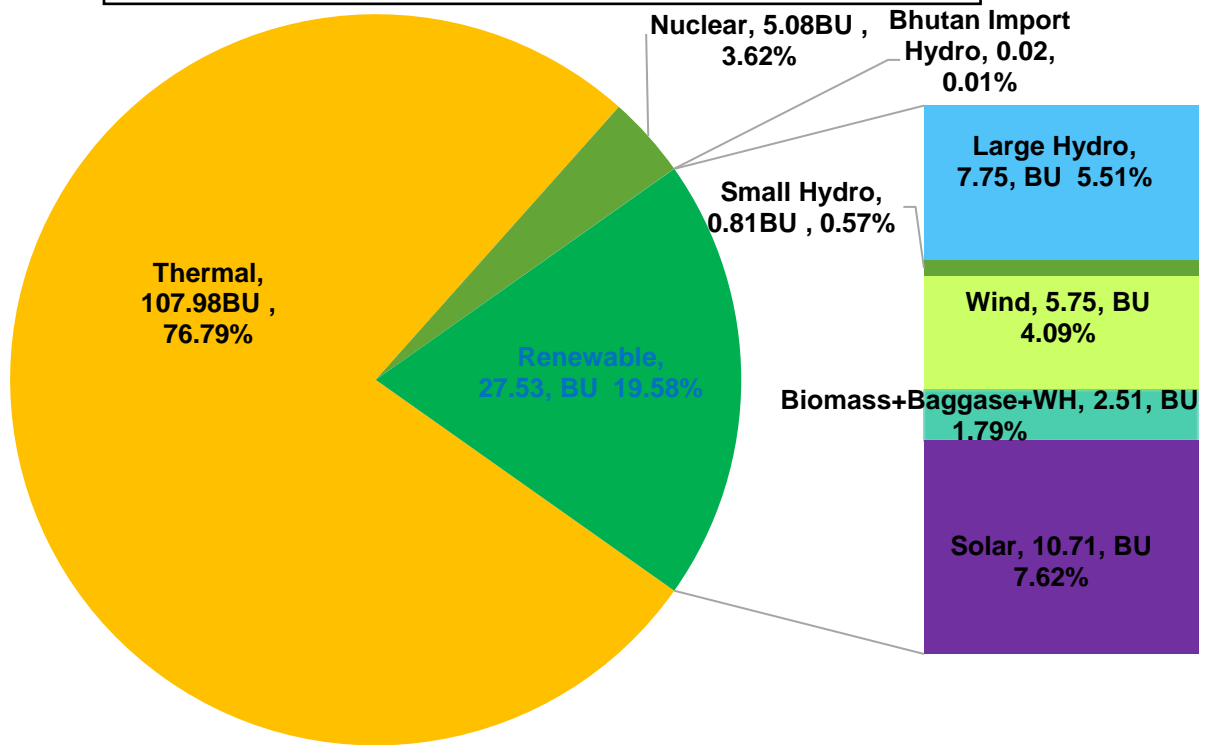


Fig 9:- RE Generation Region Wise (December 2024)

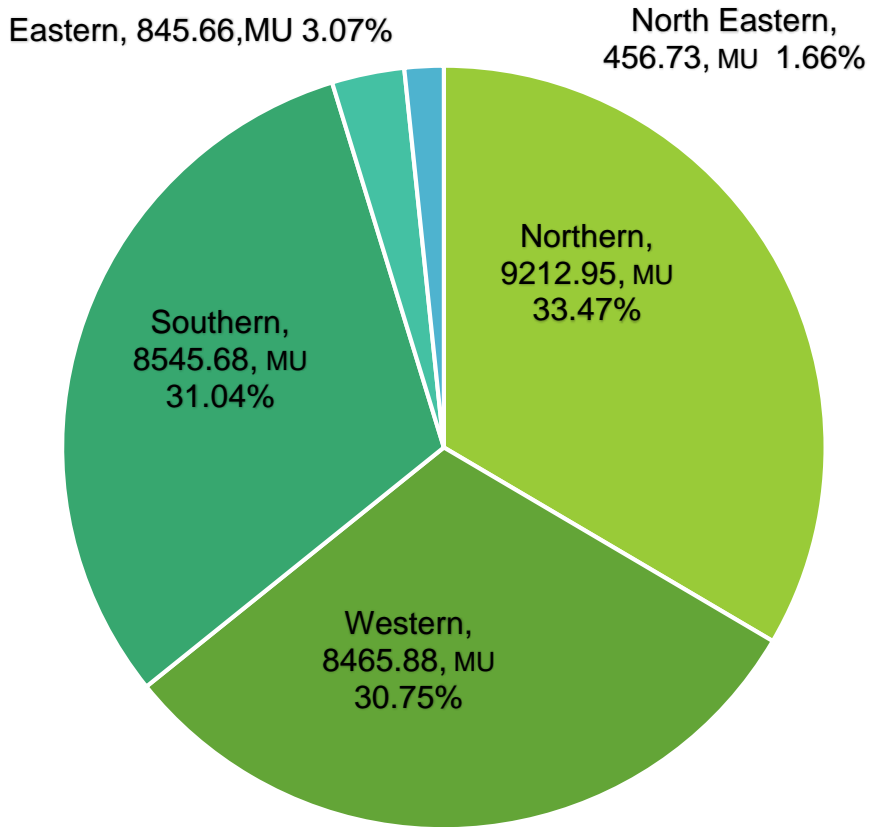


Fig 10:- RE Cumulative Generation Region Wise Upto (April to December 2024)

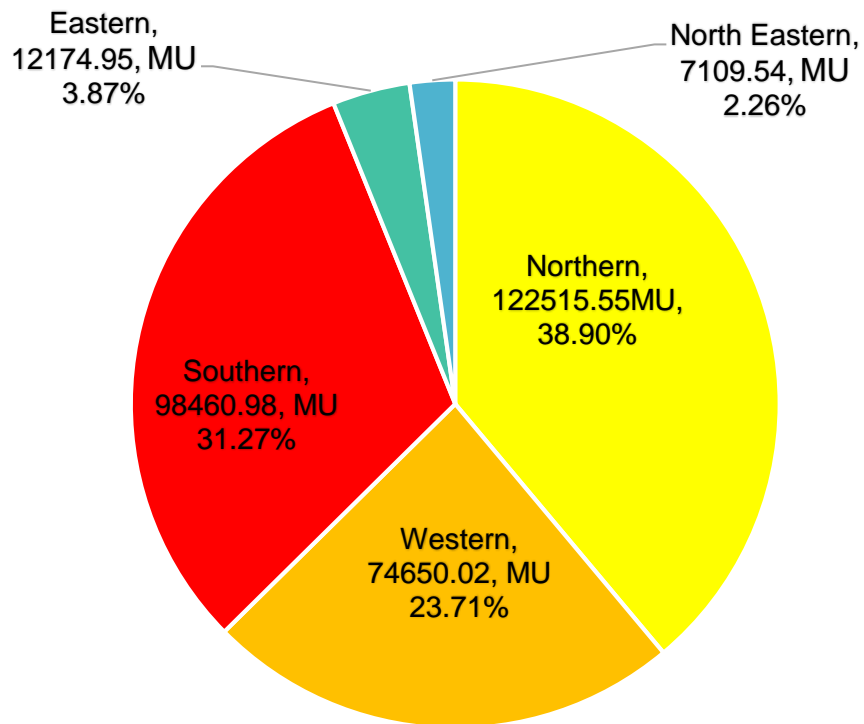


Fig 11:- Source wise breakup of RE Generation for Month Dec- 2024 (27526.90 MU)

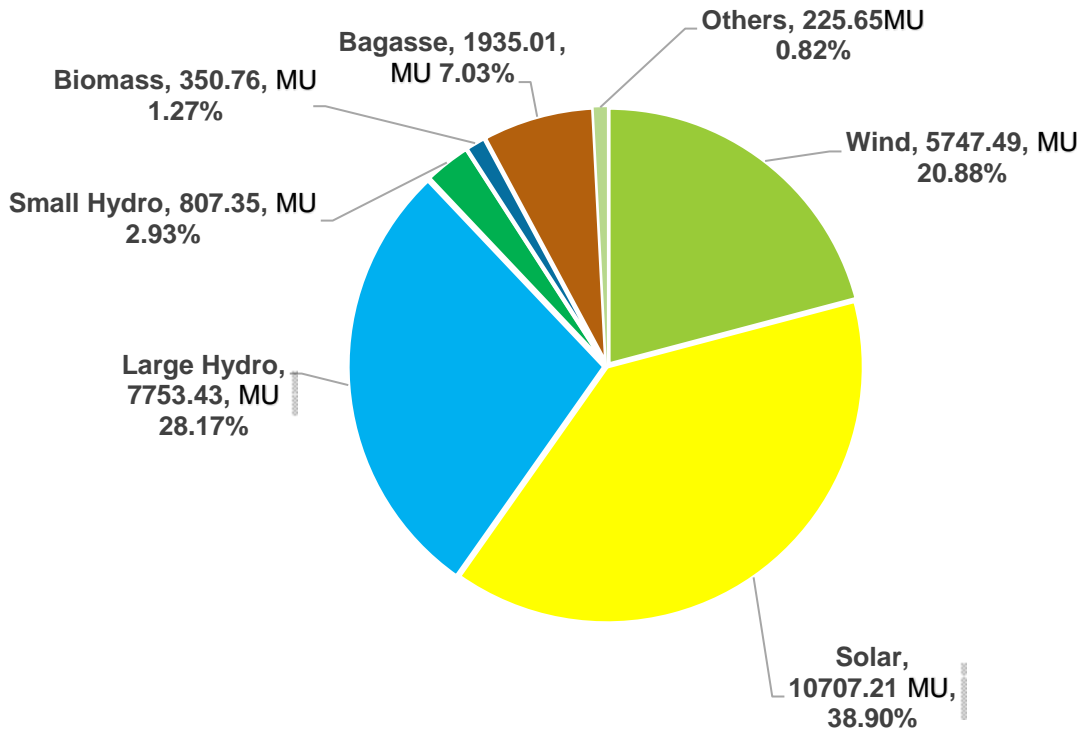
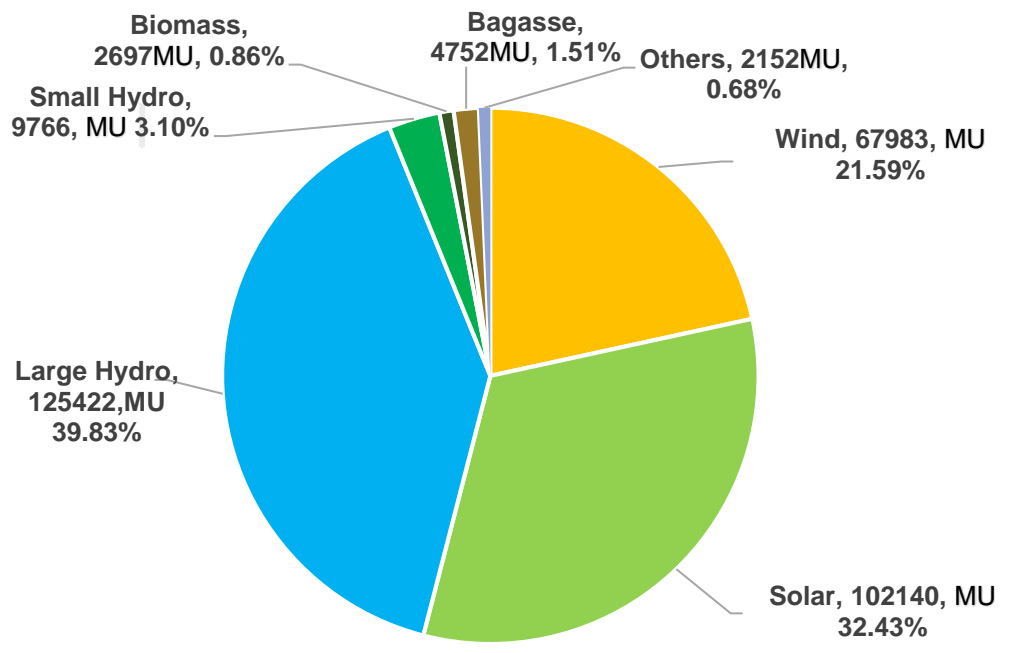


Fig 12:- Source wise breakup of cumulative RE Generation for April 2024 to Dec- 2024 (314911.05 MU)



Summary of Renewable Energy Generation

- ❖ Increased by 20.02% as compared to December 23
- ❖ Increased by 08.43 % as compared to November '24

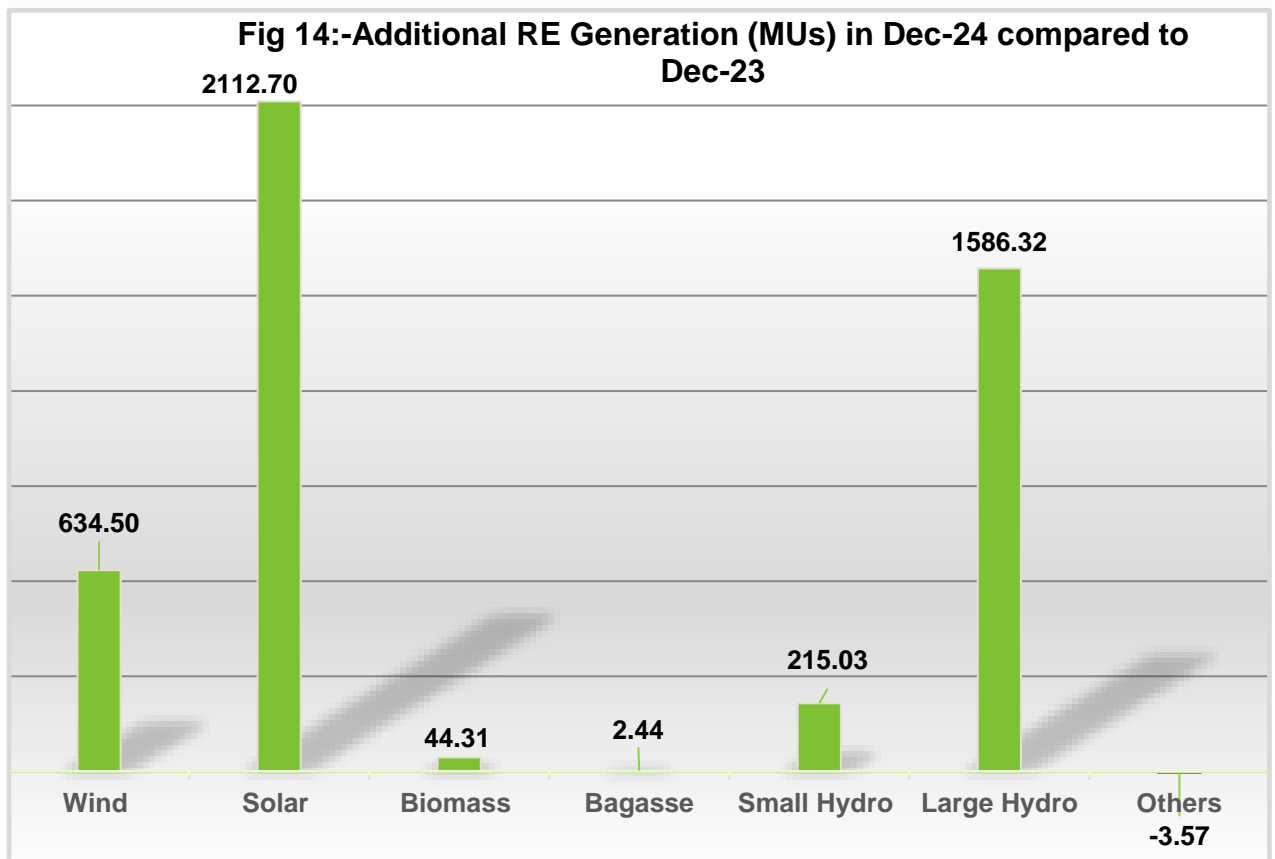
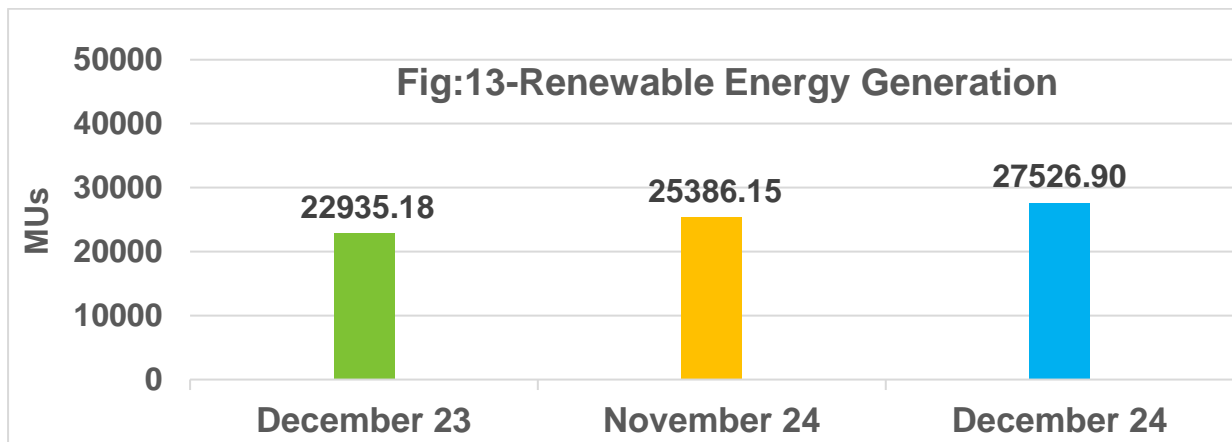


Fig15 :-India Renewable Energy Growth rate % increase over same Month in the last year

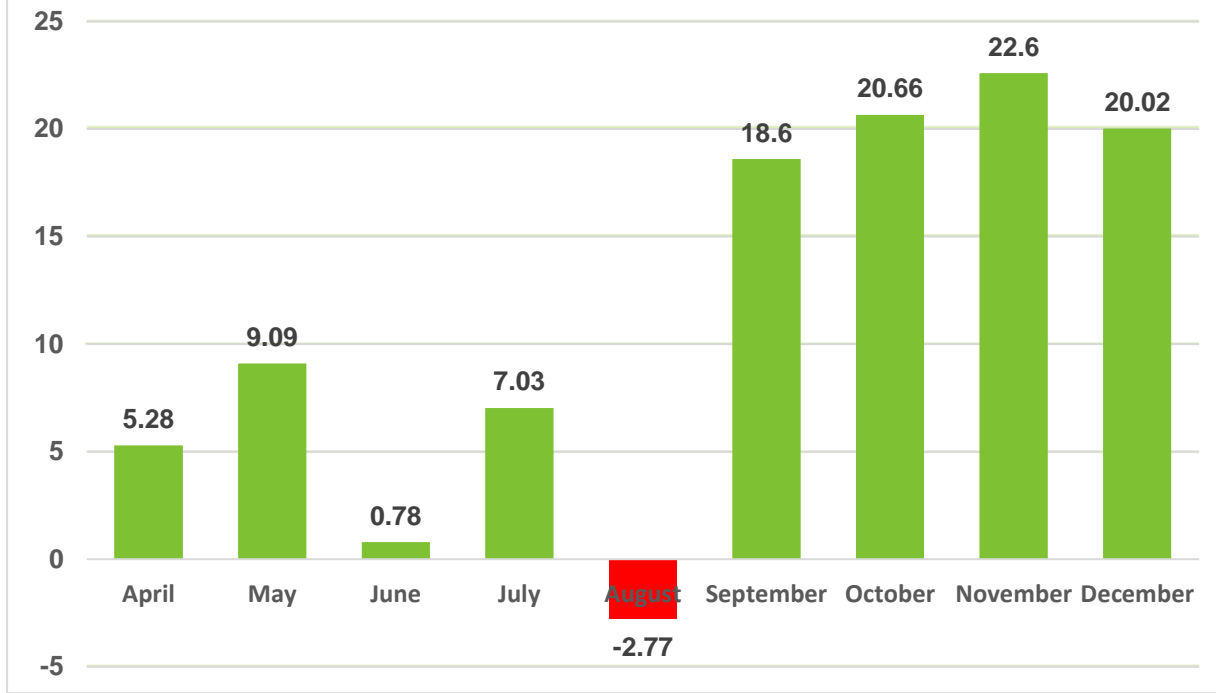


Fig 16:- Month Wise RE Generation in MU

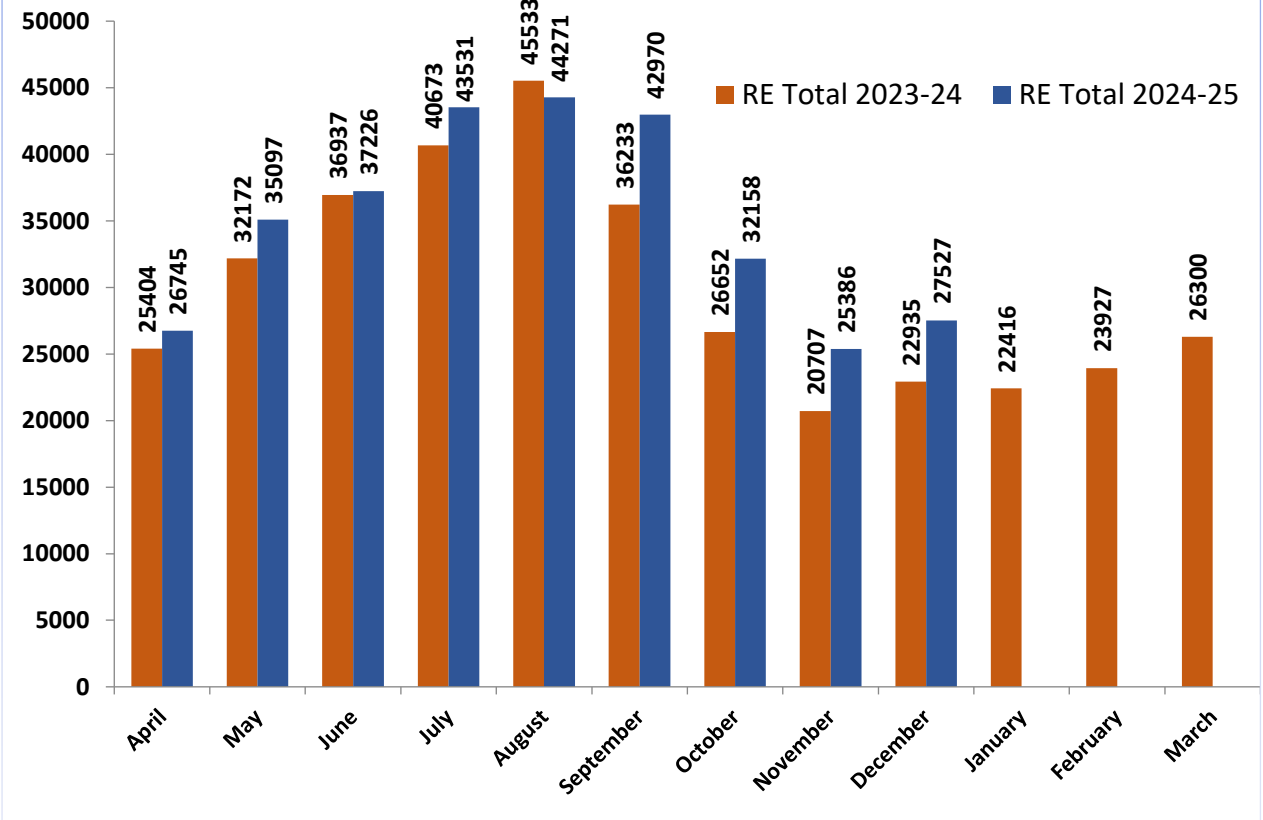


Fig 17:- Wind Power Generation in MU

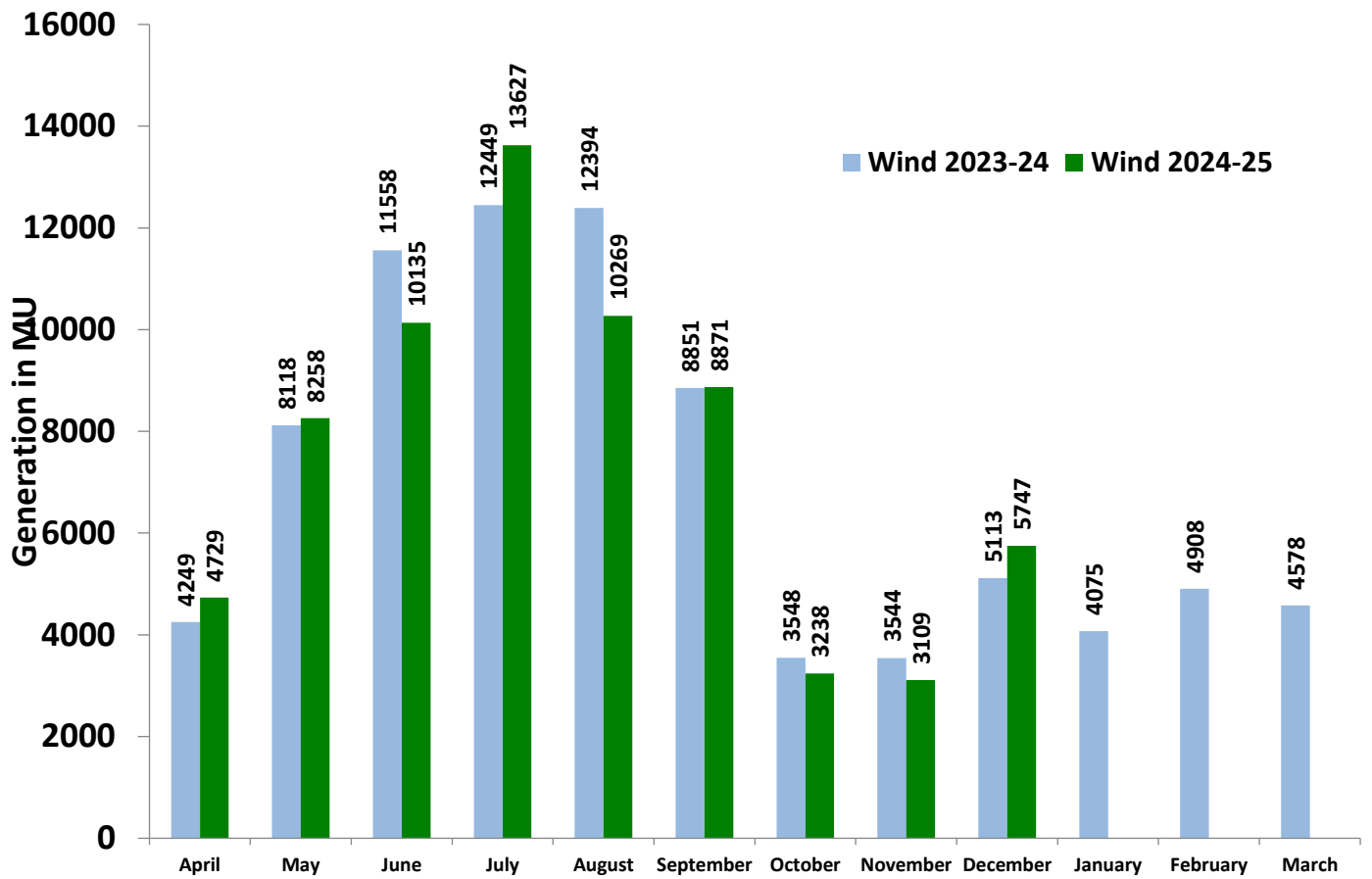


Fig 18: - Solar Power Generation in MU

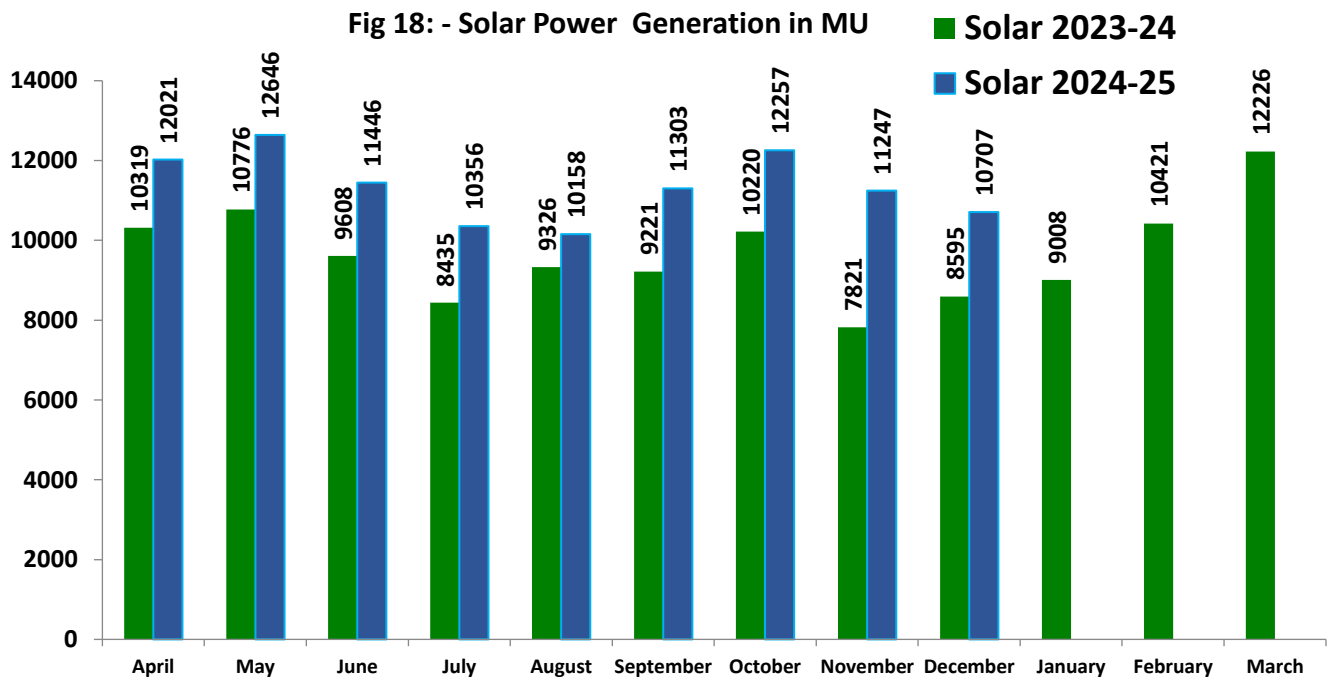


Fig 19:- Biomass Power Generation in MU

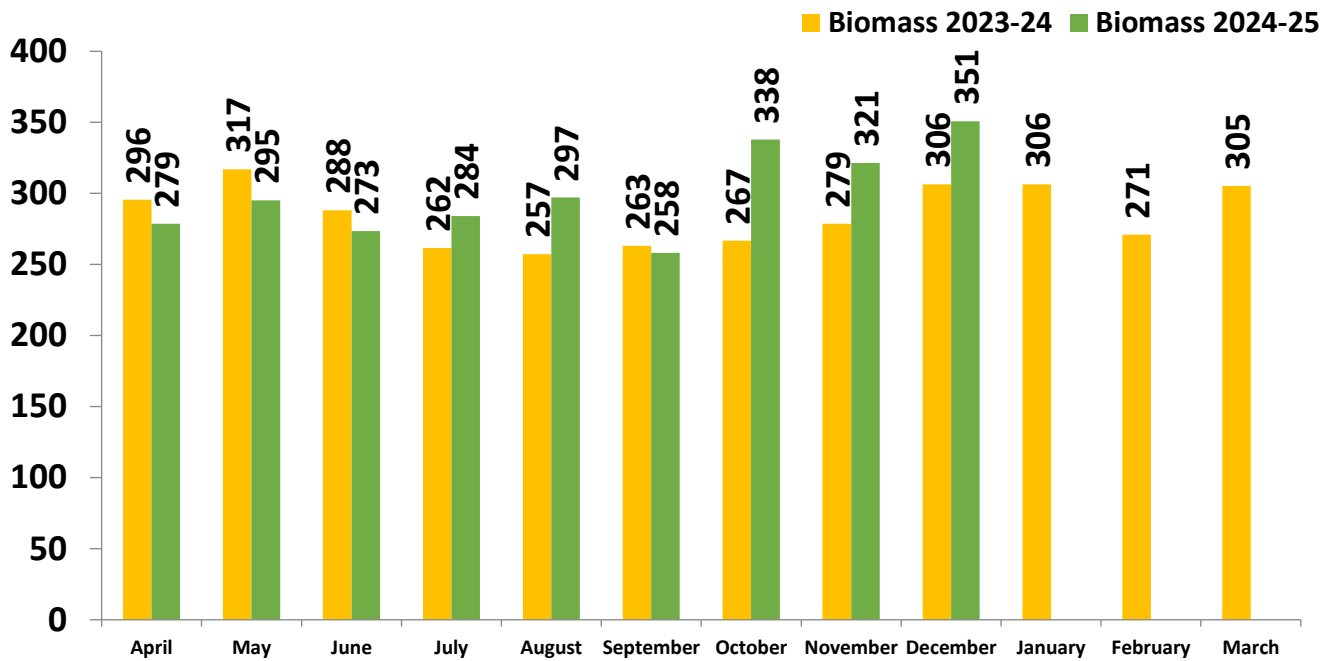


Fig 20:- Bagasse Power Generation in MU

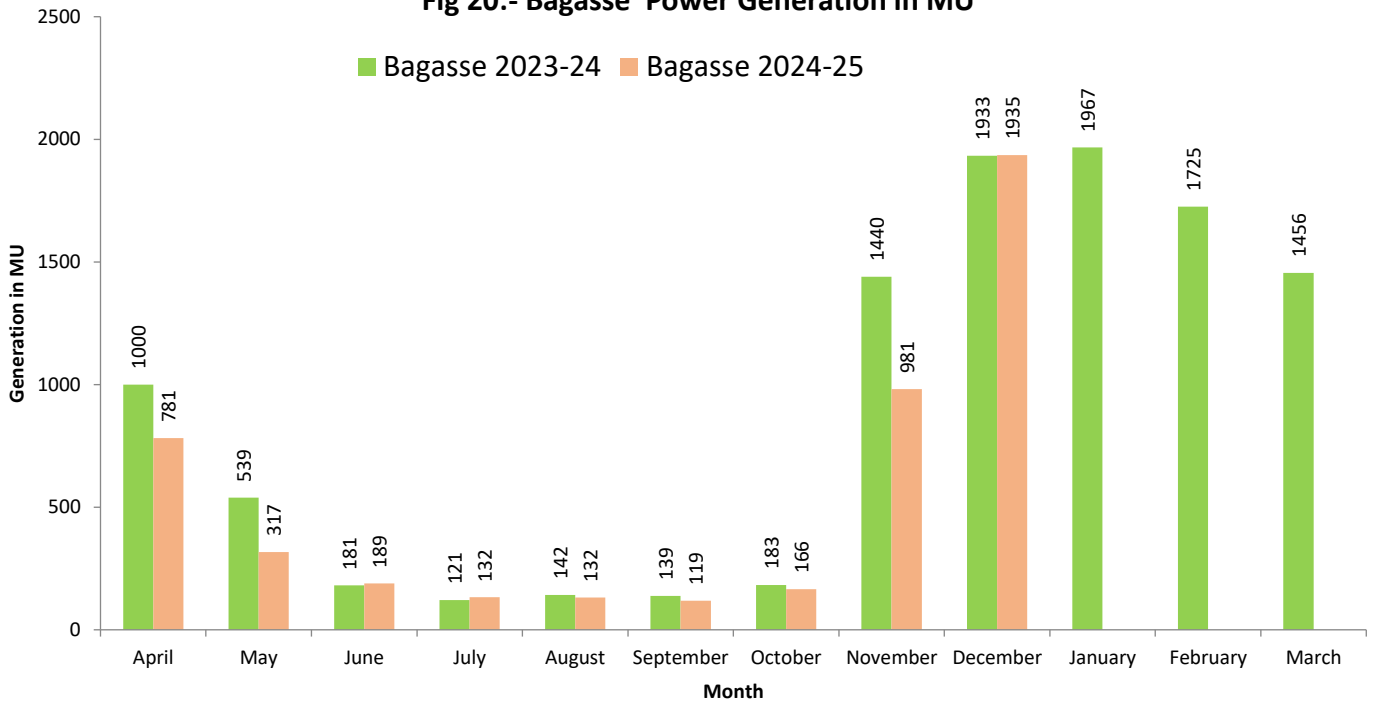


Fig 21 :- Small Hydro Power Generation in MU

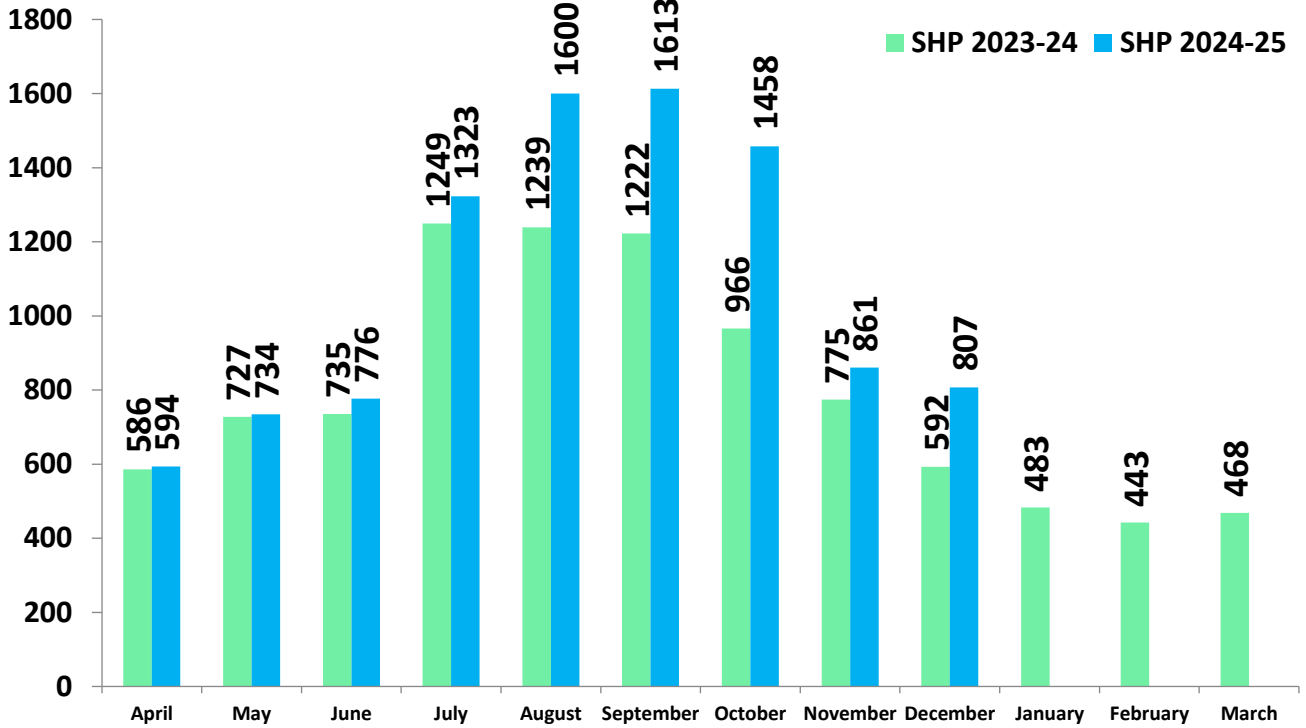


Fig 22:- Large Hydro Power Generation MU

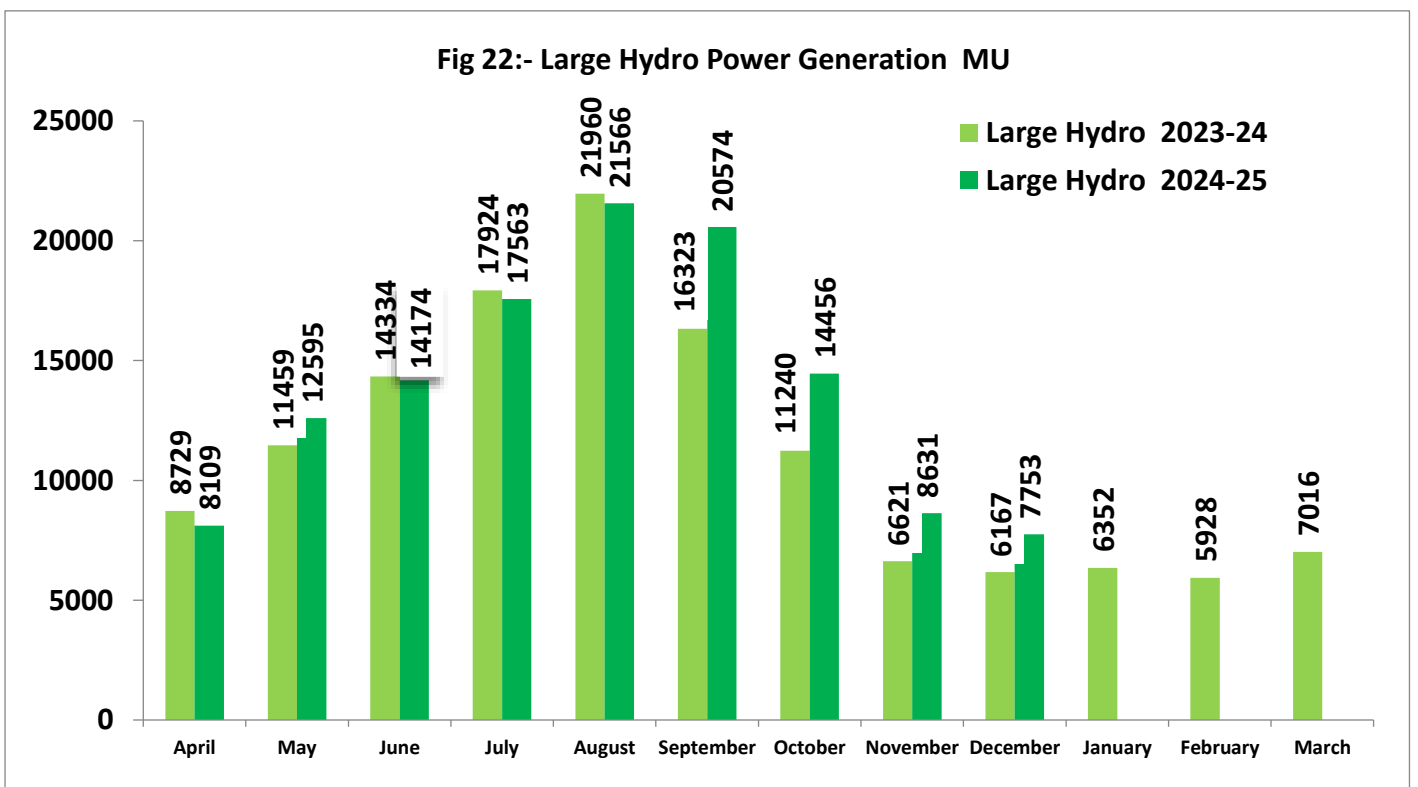


Fig 23:- Power Generation from other RE sources in MU

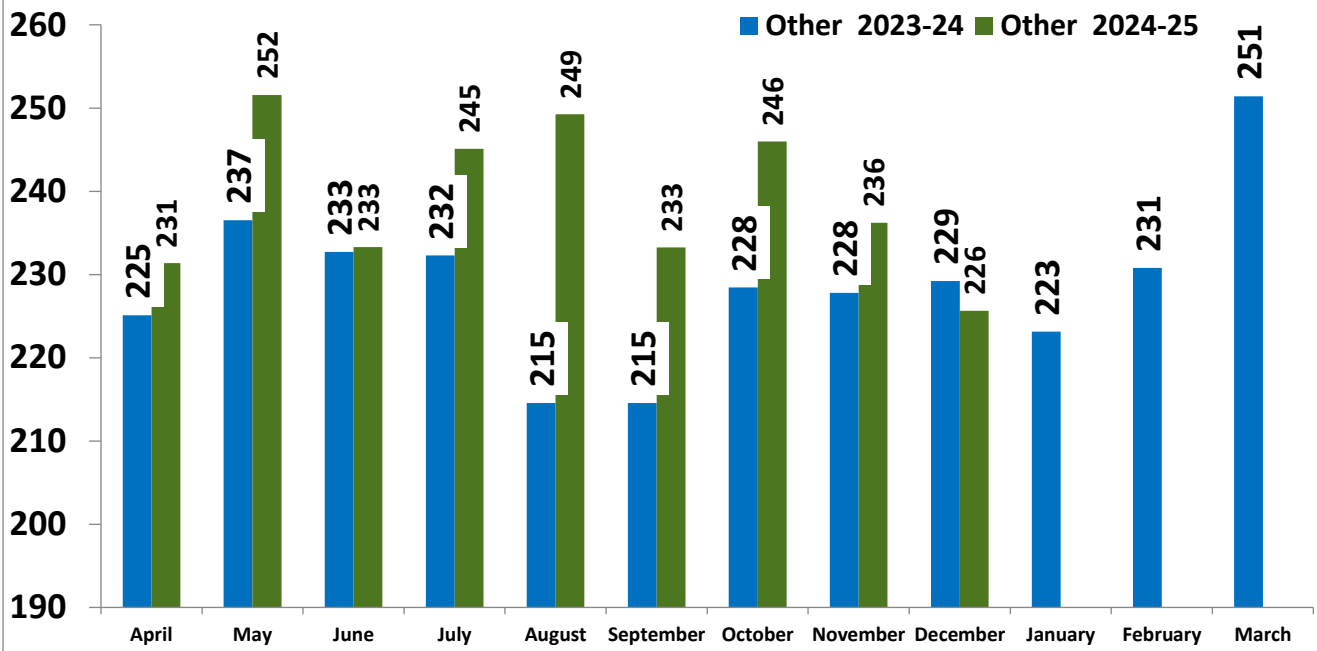
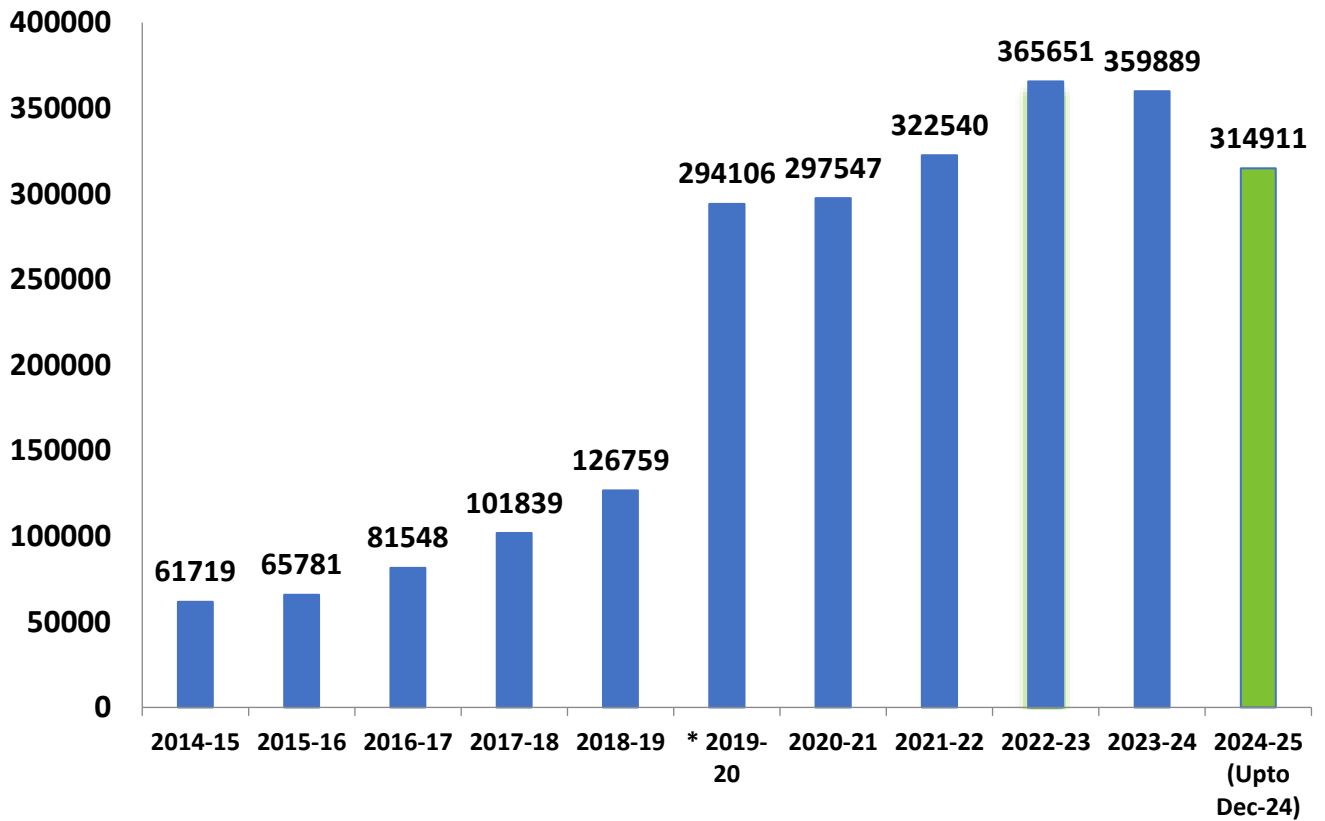
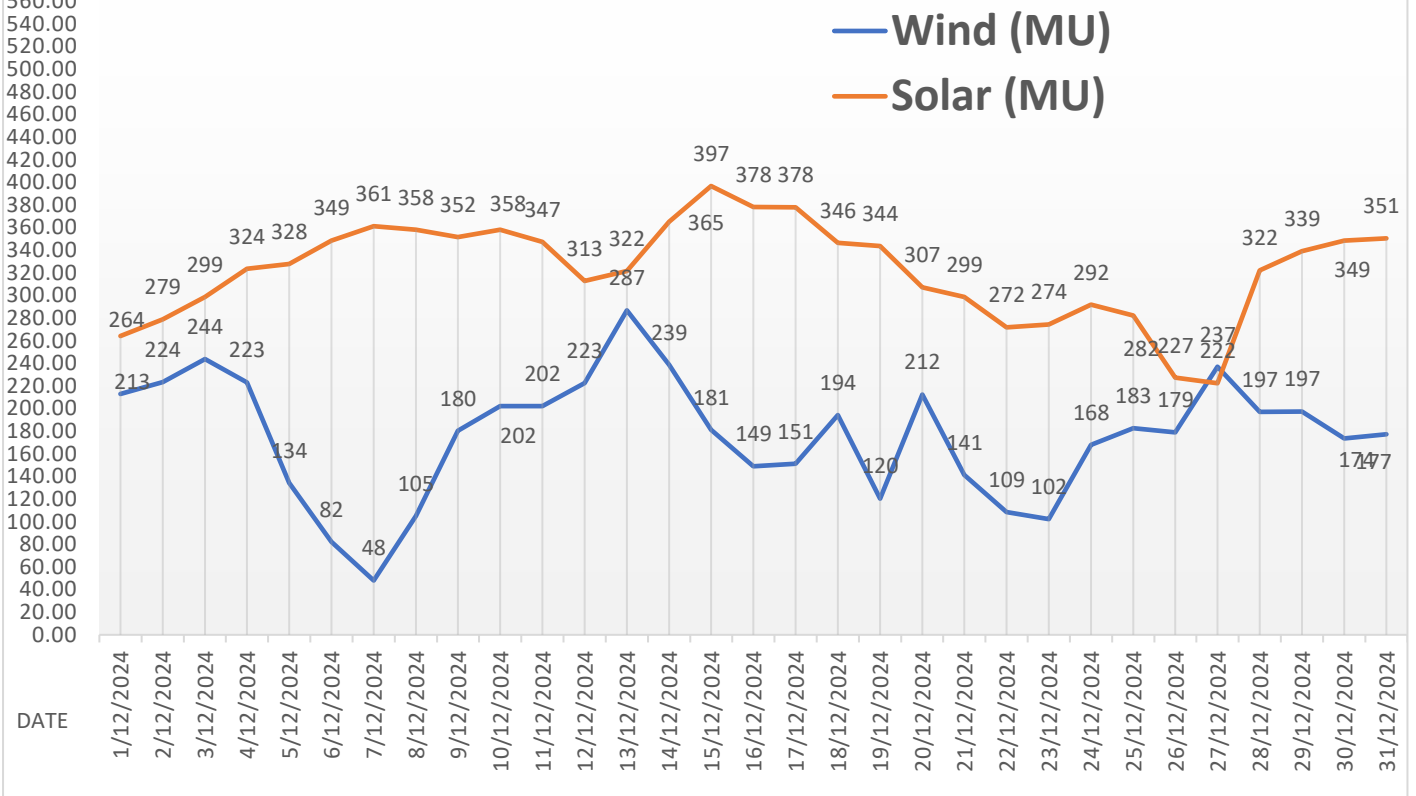


Fig 24:- Year wise Generation of RE in MU



**Fig 25:- All India Wind & Solar Power Daily Generation Report
(December,2024)**



Summary of All India Total Renewable Energy Generation

Table 1 All India Summary of Renewable Energy Generation

Category	Installed Capacity (MW) (as on 31.12.2024)	Monitored Capacity (MW) (as on 31.12.2024) for which generation data is available	RE Generation (MU) Dec'24	RE Generation (MU) Dec'23	% of same Month Last Year	RE Generation (MU) Apr 24-Dec'24	RE Generation (MU) Apr'23-Dec'23	% of same period Last Year
पवन/Wind	48163.16	47659.47	5747.49	5113.00	112.41	67983.39	69824.59	97.36
सौर/Solar	97864.72	80562.3012 (*)	10707.21	8594.51	124.58	102139.54	84319.58	121.13
बायोमास/Biomass	10728.21	9903.46	350.76	306.46	114.46	2696.77	2534.61	106.40
बगास/Bagasse			1935.01	1932.57	100.13	4751.71	5677.13	83.70
लघु जल विद्युत्/ Small Hydro	5100.55	4251.63	807.35	592.32	136.30	9766.44	8091.27	120.70
बृहत् जल विद्युत् /Large Hydro [§]	46968.17	46968.17	7753.43	6167.11	125.72	125421.51	114757.78	109.29
अन्य/Others	619.94	858.53	225.65	229.22	98.44	2151.69	2041.21	105.41
कुल/Total Including Large Hydro	209444.75	190203.55	27526.90	22935.18	120.02	314911.05	287246.17	109.63
कुल/Total Excluding Large Hydro	162476.58	143235.38	19773.47	16768.07	117.92	189489.54	172488.39	109.86

* Solar Installed capacity including 2.5 GW rooftop solar.

§ Large Hydro Generation data excludes import from Bhutan. However, the import from Bhutan during December 2024 and April 24 – December 24 are 843.70 MUs and 5087.20 MU respectively.

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

Station	State/ Region	Sector (Central/State/Private)	Type	Generation (MU)
Unchahar NTPC	Uttar Pradesh	Central	Solar	0.89
Dadri NTPC	Uttar Pradesh	Central	Solar	0.41
Singrauli NTPC	Uttar Pradesh	Central	Solar	1.49
Auraiya NTPC	Uttar Pradesh	Central	Solar	4.41
Kolayat NTPC	Rajasthan	Central	Solar	86.12
Nokhra NTPC	Rajasthan	Central	Solar	48.25
Devikot NTPC	Rajasthan	Central	Solar	40.85
ABC Renewable Energy	Rajasthan	Private	Solar	52.59
ACME DEOGARH	Rajasthan	Private	Solar	51.73
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	Solar	35.78
Acme Heergharh Powertech Pvt Ltd	Rajasthan	Private	Solar	51.03
ACME PHALODI	Rajasthan	Private	Solar	50.15
ACME RAISAR	Rajasthan	Private	Solar	45.16
Adni Green Energy 2	Rajasthan	Private	Solar	41.74
Adni Green Energy 24 Infirm	Rajasthan	Private	Solar	17.45
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	Solar	114.60
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Private	Solar	70.08
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	Solar	52.07
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	Solar	56.79
ADANI SEJ2PL M	Rajasthan	Private	Solar	22.43
ADANI SEJ2PL P	Rajasthan	Private	Solar	23.98
ALTRA XERGI	Rajasthan	Private	Solar	71.98
AMP Energy Green Four	Rajasthan	Private	Solar	1.31
AMP Energy Green Five	Rajasthan	Private	Solar	14.23
AMP Energy Green Six	Rajasthan	Private	Solar	15.64
AMPLUS_AGES	Rajasthan	Private	Solar	13.77
Anta Solar NTPC	Rajasthan	Private	Solar	13.92
ASERJ2PL	Rajasthan	Private	Solar	33.92
ASERJ2PL_BHDL	Rajasthan	Private	Solar	25.10

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation	(MU)
Adani Renewable Energy RJ Limited (RERJL)	Rajasthan	Private	Solar		34.56
Adani Jaisalmer One SEPL Solar	Rajasthan	Private	Solar		82.14
Adani SB Energy Four Pvt. Ltd.(SE4PL(Kilaj Solar))	Rajasthan	Private	Solar		8.03
M/S Adani Solar Energy Four PVT. LTD.L(Adani SEJ5PL)	Rajasthan	Private	Solar		33.45
Adani SB Energy Four Pvt. Ltd. (SERJ1PL)	Rajasthan	Private	Solar		50.31
Adept_ Renewable	Rajasthan	Private	Solar		15.35
ADPPL_INFIRM	Rajasthan	Private	Solar		43.69
Avaada Sunrays Energy Private Limited	Rajasthan	Private	Solar		58.05
Avaada RJHN Private Limited	Rajasthan	Private	Solar		35.65
Avaada Sunce Energy Private Limited	Rajasthan	Private	Solar		52.33
Avaada Sustainable RJ Project Private Ltd.	Rajasthan	Private	Solar		46.27
Ayana Renewable Three	Rajasthan	Private	Solar		29.04
Ayana Renewable Three Infirm	Rajasthan	Private	Solar		8.62
Ayana Renewable Power One Private Limited	Rajasthan	Private	Solar		47.33
Azure Power Forty One Private Limited	Rajasthan	Private	Solar		50.04
Azure Power Forty Three Private Ltd	Rajasthan	Private	Solar		93.24
AZURE SOLAR	Rajasthan	Private	Solar		25.84
Azure Power Maple Pvt Ltd	Rajasthan	Private	Solar		37.33
AZURE POWER THIRTY FIVE	Rajasthan	Private	Solar		20.09
Clean Solar Power (Jodhpur) Pvt Ltd	Rajasthan	Private	Solar		43.62
Clean Solar Power (Bhadla) Pvt Ldt	Rajasthan	Private	Solar		53.08
Eden Renewable Cite Private Limited	Rajasthan	Private	Solar		56.77
GRIAN ENERGY	Rajasthan	Private	Solar		13.70
Juniper Green Cosmic PL	Rajasthan	Private	Solar		15.64

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation	(MU)
MEGA SOILS RENEWABLE PRIVATE LIMITED	Rajasthan	Private	Solar		44.41
Mega Surya Urja Pvt. Ltd	Rajasthan	Private	Solar		39.47
M/S. ONEVOLT Energy Private Limited	Rajasthan	Private	Solar		13.22
Nidan Solar Fatehgarh	Rajasthan	Private	Solar		53.37
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Rajasthan	Private	Solar		53.49
Renew Solar Power Pvt Ltd	Rajasthan	Private	Solar		8.21
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	Solar		35.77
Renew Solar Urja Pvt Ltd	Rajasthan	Private	Solar		51.28
Renew Sun Bright Pvt Ltd	Rajasthan	Private	Solar		52.18
Renew Sun Waves Private Limited	Rajasthan	Private	Solar		52.71
Renew Surya Pratap	Rajasthan	Private	Solar		34.38
Renew Surya Ravi Pvt Ltd	Rajasthan	Private	Solar		40.57
Renew Surya Roshni	Rajasthan	Private	Solar		64.47
Renew Surya Vihaan	Rajasthan	Private	Solar		17.07
Renew Surya Ayaan	Rajasthan	Private	Solar		52.64
Rising Sun Energy	Rajasthan	Private	Solar		31.92
Serentica Renewables	Rajasthan	Private	Solar		26.35
Serentica Renewables 5PL	Rajasthan	Private	Solar		16.18
Serentica Renewables 5PL INF	Rajasthan	Private	Solar		0.41
Tata Power Green Energy Limited	Rajasthan	Private	Solar		28.13
Tata Power Renewable Energy Ltd	Rajasthan	Private	Solar		48.57
TESEPL	Rajasthan	Private	Solar		6.76
Thar Surya 1	Rajasthan	Private	Solar		47.19
TPSL Banderwala	Rajasthan	Private	Solar		27.15
TPSL BKN2 INF	Rajasthan	Private	Solar		13.27
Tata Power SAURYA Limited	Rajasthan	Private	Solar		13.36
Transition Renewable Energy	Rajasthan	Private	Solar		11.97
Transition Green Energy	Rajasthan	Private	Solar		13.01
Transition Sustainable One	Rajasthan	Private	Solar		6.78

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation	(MU)
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	Wind		122.50
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Private	Wind		23.31
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	Wind		18.31
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	Wind		17.36
Adani Jaisalmer One SEPL Wind	Rajasthan	Private	Wind		25.55
Northern Region					3123.36
Beempow Energy	Madhya Pradesh	Private	Solar		54.26
ACL PSS3 KPS1	Madhya Pradesh	Private	Solar		97.53
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	Solar		38.95
Mahindra Solar (Badwar)	Madhya Pradesh	Private	Solar		35.59
AVAADA_AGAR_RUMS	Madhya Pradesh	Private	Solar		35.35
Athena_RUMS	Madhya Pradesh	Private	Solar		37.75
Masaya BWSPRA_KNDW	Madhya Pradesh	Private	Solar		47.77
NTPC_REL_SJPR_RUMS	Madhya Pradesh	Private	Solar		6.86
TPSOURY_KWAI_NMCH	Madhya Pradesh	Private	Solar		51.65
Sherisha Raipur	Chhattisgarh	Private	Solar		6.94
Solapur Solar	Maharashtra	Central	Solar		1.08
NTPCCREL1 SJPR RUMS	Gujarat	Private	Solar		7.00
AREH4L_PSS1	Gujarat	Private	Solar		111.28
Electro Solaire Private Limited (ESPL RSP Solar)	Gujarat	Private	Solar		37.67
Tata Power Renewable Energy Limited (TPREL RSP Solar)	Gujarat	Private	Solar		18.37
Gujarat Industries Power Company Limited (GIPCL RSP Solar)	Gujarat	Private	Solar		19.58
RPL_SECI-II	Gujarat	Private	Solar		71.66
Kawas NTPC	Gujarat	Central	Solar		7.78
Gandhar_Solar	Gujarat	Private	Solar		3.36
GSECL RSP	Gujarat	Private	Solar		11.70
AGE25BL_PSS2_KPS1_SI	Gujarat	Private	Solar		74.86
AGE24AL	Gujarat	Private	Solar		9.27
Alfanar	Gujarat	Private	Wind		63.28

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation	(MU)
ARE48L PSS9 KPS1	Gujarat	Private	Wind		15.75
AWEK1L WIND (RATADIYA)	Gujarat	Private	Wind		112.83
Adani Wind Energy Kutchh Four Limited (AWEK4L)	Gujarat	Private	Wind		95.17
Adani Wind Energy MP One Private Limited (AWEMP1PL)	Gujarat	Private	Wind		79.93
Green Infra Wind Energy Limited SECI-II (Giwel-II Wind (Vadva))	Gujarat	Private	Wind		67.77
Green Infra Wind Energy Limited SECI-III (Giwel-III Wind (Naranpar))	Gujarat	Private	Wind		70.15
GSECL_PH2	Gujarat	Private	Wind		11.70
Ostro Kutch Wind Private Lited (OKWPL)	Gujarat	Private	Wind		94.30
Renew Wind Energy (AP2) Private Limited (Ghadsisa)					
Gujarat	Private	Wind	0.03		
Avikiran Solar India Private Limited (AS IPL), Baranda	Gujarat	Private	Wind		50.14
Apraava Khkrda Jam	Gujarat	Private	Wind		83.84
Netra Kotda	Gujarat	Private	Wind		43.48
Powerica Wind	Gujarat	Private	Wind		13.58
Torrent Sidpur Jam	Gujarat	Private	Wind		40.74
SITAC	Gujarat	Private	Wind		77.05
SRIJAN	Gujarat	Private	Wind		24.52
NVWEPL_DAYAPAR_BHJ_W	Gujarat	Private	Wind		47.43
SGEL RSP	Gujarat	Private	Wind		17.93
Western Region					1795.88
Beetam(Tuticorin)	Tamil Nadu	Private	Wind		30.51
GRTJIPL	Tamil Nadu	Private	Solar		21.90
Veena Gadag S	Karnataka	Private	Solar		3.24
Veena Gadag W	Karnataka	Private	Wind		13.78
Mytra	Tamil Nadu	Private	Wind		25.96
Orange	Tamil Nadu	Private	Wind		23.94
Green Infra	Tamil Nadu	Private	Wind		33.62
Hiriyur Ostro	Tamil Nadu	Private	Wind		44.58

Station	State/ Region	Sector (Central/State/ Private)	Type	Generation (MU)
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	Wind	8.72
JSW Renew Energy Two Limited (Tuticorin)	Tamil Nadu	Private	Wind	50.80
JSW Savlaperi	Tamil Nadu	Private	Wind	67.52
Ettayapuram NTPC	Tamil Nadu	Central	Solar	35.42
ARPSPL KOPPAL	Karnataka	Private	Wind	33.75
RSOPL KOPPAL	Karnataka	Private	Wind	50.11
RSRPL KOPPAL	Karnataka	Private	Wind	36.89
Serentica_koppal	Karnataka	Private	Wind	25.92
Serentica_koppal infirm	Karnataka	Private	Wind	0.82
Ramagundam Floating Solar	Telangana	Central	Solar	12.47
Simhadri Floating Solar	Andhra Pradesh	Central	Solar	2.56
Southern Region				522.51
All India Total				5441.75

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) December'24	RE Generation (MU) December'23	RE Generation (MU) Apr' 24-Dec' 24	RE Generation (MU) Apr '23-Dec' 23
NTPC							
Faridabad_Solar	Haryana	5	Solar	0.27	0.37	4.27	4.69
Bhadla	Rajasthan	260	Solar	31.23	32.57	314.48	316.12
Jetsar	Rajasthan	160	Solar	23.50	27.86	277.05	270.91
Fatehgarh	Rajasthan	296	Solar	59.01	55.84	560.28	559.27
Devikot	Rajasthan	240	Solar	42.77	44.28	409.40	422.15
Nokhra	Rajasthan	300	Solar	49.20	55.33	516.66	514.91
Anta Solar	Rajasthan	90	Solar	15.54	0.00	121.01	0.00
Dadri_Solar	Uttar Pradesh	5	Solar	0.38	0.37	4.40	4.50
Unchahar_Solar	Uttar Pradesh	10	Solar	0.93	0.85	9.83	10.05
Singrauli_Solar	Uttar Pradesh	15	Solar	1.55	1.37	14.55	15.08
Auraiya	Uttar Pradesh	40	Solar	4.64	3.62	48.33	51.33
Small Hydro Vindhyachal	Uttar Pradesh	8	Small Hydro	0.00	2.55	14.62	28.74
Ayodhya	Uttar Pradesh	40	Solar	6.33	0.00	42.42	0.00
Chattargarh	Rajasthan	150	Solar	46.22	0.00	255.44	0.00
Rojmal	Gujarat	50	Wind	8.56	8.21	75.05	79.54
Dayapar	Gujarat	50	Wind	5.49	0.00	75.72	0.77
Rajgarh_Solar	Madhya Pradesh	50	Solar	5.90	5.13	51.63	50.24
Mandsaur	Madhya Pradesh	250	Solar	29.05	24.66	264.42	263.80
Solapur	Maharashtra	10	Solar	1.07	1.17	13.68	12.75
Anantapuram	Andhra Pradesh	250	Solar	23.61	24.89	264.04	277.11
Ramagundam	Telangana	110	Solar	14.37	12.64	150.42	149.90
Andaman & Nicobar	Andaman & Nicobar	5	Solar	0.49	0.47	4.19	4.13
Talchar_Solar	Orissa	10	Solar	0.96	0.94	8.89	9.14
Solar_Bilhaur	Uttar Pradesh	225	Solar	33.26	28.95	352.81	336.94
Simhadri Floating Project	Andhra Pradesh	25	Solar	2.49	2.74	28.14	35.23
Kayamkulam	Kerala	92	Solar	15.22	17.08	146.67	156.52
Kawas	Gujarat	56	Solar	8.12	7.56	73.68	65.68
Gandhar	Gujarat	20	Solar	3.51	3.31	29.08	23.28
Shambu ki Burj-I	Rajasthan	283	Solar	44.08	47.97	465.99	458.12

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December'24	RE Generation (MU) December'23	RE Generation (MU) Apr' 24- Dec' 24	RE Generation (MU) Apr '23- Dec' 23
Shambu ki Burj-II	Rajasthan	249	Solar	45.06	30.12	349.23	289.11
Ettayapuram	Tamil Nadu	230	Solar	36.17	37.92	362.07	359.04
Gujarat Solar	Gujarat	60	Solar	11.46	0.00	46.43	0.00
Bhainsara	Rajasthan	160	Solar	31.31	0.00	126.01	0.00
Shajapur	Madhya Pradesh	50	Solar	12.42	0.00	23.16	0.00
Shajapur	Madhya Pradesh	55	Solar	7.26	0.00	7.79	0.00
Mesanka	Gujarat	30	Solar	2.32	0.00	2.32	0.00
Sadla	Gujarat	38	Solar	0.09	0.00	0.09	0.00
Total NTPC		3977		623.84	478.75	5514.25	4769.05
THDC							
Patan Wind Power Project	Gujarat	50.00	Wind	7.65	5.65	58.28	59.79
Devbhumi Dwarka Wind Power Project	Gujarat	63.00	Wind	16.30	15.54	97.65	108.93
Solar Kasaragod	Kerala	50.00	Solar	8.17	8.84	63.06	69.66
Rishikesh office Premises (New)	Uttarakhand	0.50	Solar	0.03	0.04	0.37	0.38
Rishikesh office Premises (Old)	Uttarakhand	0.50	Solar	0.04	0.00	0.39	0.00
Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24.00	Small Hydro	3.83	8.51	48.41	54.68
Total THDC		188.00		36.02	38.58	268.16	293.44
NHPC							
Wind Power Project	Rajasthan	50.00	Wind	2.82	4.02	38.07	49.96
Solar Power Project	Tamilnadu	50.00	Solar	5.94	5.83	63.22	51.76
Total NHPC		100.00		8.76	9.85	101.29	101.72
ONGC							
Bhuj	Gujarat	51.00	Wind	3.72	3.21	44.58	16.16
Jaisalmer	Rajasthan	102.00	Wind	8.60	5.60	82.34	85.46
Assam	Assam	1.66	Solar	0.13	0.13	1.15	0.28
Assam	Assam	1.09	Solar	0.11	0.12	1.02	1.72
Tripura	Tripura	0.25	Solar	0.01	0.02	0.13	0.74
Rajahmundry,Base Complex	Andhra Pradesh	1.00	Solar	0.07	0.08	0.66	0.92
Tati Paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.45	0.48	5.18	3.34

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December'24	RE Generation (MU) December'23	RE Generation (MU) Apr' 24-Dec' 24	RE Generation (MU) Apr '23-Dec' 23
Cauvery	Tamil Nadu	0.46	Solar	0.04	0.03	0.40	0.16
Vagara, Ankleshwar	Gujarat	5.00	Solar	0.64	0.69	5.55	4.91
Gujarat	Gujarat	4.23	Solar	0.28	0.37	3.10	0.85
Jodhpur	Rajasthan	0.16	Solar	0.01	0.01	0.14	0.17
Jaisalmer	Rajasthan	0.16	Solar	0.01	0.00	0.14	0.15
Uttarakhand	Uttarakhand	1.24	Solar	0.09	0.09	0.74	0.11
Goa	Goa	1.00	Solar	0.07	0.05	0.57	0.26
Hazira	Gujarat	10.00	Solar	1.03	1.10	9.75	1.10
Hazira	Gujarat	5.00	Solar	0.71	0.70	6.02	0.75
Mumbai (Uran & NBP Green Heights)	Maharashtra	0.29	Solar	0.02	0.15	0.65	0.15
DDU, Bhawan, Delhi	Delhi	0.30	Solar	0.00	0.02	0.14	0.05
ONGC Colony Noida	Uttar Pradesh	0.06	Solar	0.00	0.00	0.03	0.01
EOA Logistics Park, Kakinada	Andhra Pradesh	1.00	Solar	0.06	0.06	0.81	0.06
Cambay	Gujarat	2.00	Solar	0.32	0.28	2.67	0.22
Total ONGC		189.05		16.37	13.21	165.79	117.57
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	0.95	0.86	43.03	44.78
Sadla Wind Power	Gujarat	50.00	Wind	8.04	7.35	69.73	85.64
Charanka Solar Power	Gujarat	5.60	Solar	0.74	0.74	6.21	6.27
Wadhal Solar Power Project	Himachal Pradesh	1.00	Solar	0.05	0.06	0.98	0.79
Gurhah	Uttar Pradesh	75.00	Solar	10.04		111.25	
Gujari	Uttar Pradesh	50.00	Solar	6.67		71.26	
Parasan Solar Power	Uttar Pradesh	75.00	Solar	10.28	9.13	113.45	114.89
Raghnesdha Solar Power	Gujarat	100.00	Solar	18.28	0.00	134.92	0.00
Omkareshwar Floating Solar	Madhya Pradesh	90.00	solar	12.97	0.00	25.63	0.00
Total SJVN		494.20		68.01	18.14	576.46	252.37
Oil India Ltd							
Oil India Ltd	Rajasthan	14.00	Solar	1.87	1.83	17.44	18.13
Oil India Ltd	Rajasthan	67.60	Wind	6.05	3.36	54.80	47.67
Oil India Ltd	Gujarat	43.30	Wind	10.65	8.38	74.45	86.91

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December'24	RE Generation (MU) December'23	RE Generation (MU) Apr' 24-Dec' 24	RE Generation (MU) Apr '23-Dec' 23
Oil India Ltd	Madhya Pradesh	63.20	Wind	7.81	5.72	80.98	80.22
Total Oil India Ltd		188.10		26.39	19.30	227.67	232.93
NEEPCO							
NEEPCO	Tripura	5.00	Solar	0.51	0.49	4.27	4.71
NEEPCO	Assam	25.00	Small Hydro	9.14	18.84	139.51	106.15
NEEPCO Total		30.00		9.65	19.33	143.78	110.86
DVC							
DVC	West Bangal	10.10	Solar	1.21	0.01	12.25	0.05
DVC	Jharkhand	4.00	Small Hydro	1.08	1.24	2.10	1.34
Total DVC		14.10		2.29	1.25	14.35	1.39
All India Total		5184.85		791.32	598.40	7011.75	5879.33

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 December 2024					
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Northern Region					
Unchahar NTPC	Solar	0.93	0.89	-0.04	-4.30
Dadri NTPC	Solar	0.52	0.41	-0.11	-21.15
Singrauli NTPC	Solar	1.62	1.49	-0.13	-8.02
Auraiya NTPC	Solar	3.95	4.41	0.46	11.65
Kolayat NTPC	Solar	86.27	86.12	-0.15	-0.17
Nokhra NTPC	Solar	48.18	48.25	0.07	0.15
Devikot NTPC	Solar	41.25	40.85	-0.40	-0.97
ABC Renewable Energy	Solar	52.77	52.59	-0.18	-0.34
ACME DEOGARH	Solar	48.58	51.73	3.15	6.48
Acme Chittorgarh Energy Pvt Ltd.	Solar	36.43	35.78	-0.65	-1.78
Acme Heergharh Powertech Pvt Ltd	Solar	50.74	51.03	0.29	0.57
ACME PHALODI	Solar	50.1	50.15	0.05	0.10
ACME RAISAR	Solar	47.71	45.16	-2.55	-5.34
Adni Green Energy 2	Solar	43.99	41.74	-2.25	-5.11
Adni Green Energy 24 Infirm	Solar	11.12	17.45	6.33	56.92
Adani Hybrid Energy Jaisalmer Four Limited	Solar	242.18	237.10	-5.08	-2.10
Adani Hybrid Energy Jaisalmer One Limited	Solar	93.22	93.39	0.17	0.18
Adani Hybrid Energy Jaisalmer Three Limited	Solar	73.68	70.38	-3.30	-4.48
Adani Hybrid Energy Jaisalmer Two Limited	Solar	76.35	74.15	-2.20	-2.88
ADANI SEJ2PL M	Solar	23.48	22.43	-1.05	-4.47
ADANI SEJ2PL P	Solar	24.37	23.98	-0.39	-1.60
ALTRA XERGI	Solar	69.37	71.98	2.61	3.76
AMP Energy Green Four	Solar	0.61	1.31	0.70	114.75
AMP Energy Green Five	Solar	13.52	14.23	0.71	5.25
AMP Energy Green Six	Solar	15.05	15.64	0.59	3.92
AMPLUS_AGES	Solar	14.35	13.77	-0.58	-4.04
Anta Solar NTPC	Solar	13.73	13.92	0.19	1.38

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of December 2024

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
ASERJ2PL	Solar	34.77	33.92	-0.85	-2.44
ASERJ2PL_BHDL	Solar	26	25.10	-0.90	-3.46
Adani Renewable Energy RJ Limited (RERJL)	Solar	34.55	34.56	0.01	0.03
Adani Jaisalmer One SEPL Solar	Solar	112.34	107.69	-4.65	-4.14
Adani SB Energy Four Pvt. Ltd.(SE4PL(Kilaj Solar))	Solar	7.87	8.03	0.16	2.03
M/S Adani Solar Energy Four PVT. LTD.L(Adani SEJ5PL)	Solar	32.91	33.45	0.54	1.64
Adani SB Energy Four Pvt. Ltd. (SERJ1PL)	Solar	52.44	50.31	-2.13	-4.06
Adept_ Renewable	Solar	15.99	15.35	-0.64	-4.00
ADPPL_INFIRM	Solar	43.13	43.69	0.56	1.30
Avaada Sunrays Energy Private Limited	Solar	56.95	58.05	1.10	1.93
Avaada RJHN Private Limited	Solar	35.53	35.65	0.12	0.34
Avaada Sunce Energy Private Limited	Solar	52.59	52.33	-0.26	-0.49
Avaada Sustainable RJ Project Private Ltd.	Solar	46.4	46.27	-0.13	-0.28
Ayana Renewable Three	Solar	34.93	29.04	-5.89	-16.86
Ayana Renewable Three Infirm	Solar	5.61	8.62	3.01	53.65
Ayana Renewable Power One Private Limited	Solar	49.16	47.33	-1.83	-3.72
Azure Power Forty One Private Limited	Solar	50.73	50.04	-0.69	-1.36
Azure Power Forty Three Private Ltd	Solar	96.15	93.24	-2.91	-3.03
AZURE SOLAR	Solar	25.55	25.84	0.29	1.14
Azure Power Maple Pvt Ltd	Solar	37.36	37.33	-0.03	-0.08
AZURE POWER THIRTY FIVE	Solar	20.29	20.09	-0.20	-0.99
Clean Solar Power (Jodhpur) Pvt Ltd	Solar	43.67	43.62	-0.05	-0.11
Clean Solar Power (Bhadla) Pvt Ldt	Solar	53.53	53.08	-0.45	-0.84
Eden Renewable Cite Private Limited	Solar	55.58	56.77	1.19	2.14
GRIAN ENERGY	Solar	14.29	13.70	-0.59	-4.13
Juniper Green Cosmic PL	Solar	15.99	15.64	-0.35	-2.19
MEGA SOILS RENEWABLE PRIVATE LIMITED	Solar	42.9	44.41	1.51	3.52
Mega Surya Urja Pvt. Ltd	Solar	38.51	39.47	0.96	2.49
M/S. ONEVOLT Energy Private Limited	Solar	13.7	13.22	-0.48	-3.50

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of December 2024

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Nidan Solar Fatehgarh	Solar	54.83	53.37	-1.46	-2.66
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Solar	52.52	53.49	0.97	1.85
Renew Solar Power Pvt Ltd	Solar	8.02	8.21	0.19	2.37
Renew Solar Power Pvt Ltd. Bikaner	Solar	35.9	35.77	-0.13	-0.36
Renew Solar Urja Pvt Ltd	Solar	51.58	51.28	-0.30	-0.58
Renew Sun Bright Pvt Ltd	Solar	51.7	52.18	0.48	0.93
Renew Sun Waves Private Limited	Solar	51.93	52.71	0.78	1.50
Renew Surya Pratap	Solar	34.5	34.38	-0.12	-0.35
Renew Surya Ravi Pvt Ltd	Solar	41.35	40.57	-0.78	-1.89
Renew Surya Vihaan	Solar	64.22	17.07	-47.15	-73.42
Rising Sun Energy	Solar	51.54	31.92	-19.62	-38.07
Serentica Renewables	Solar	26.46	26.35	-0.11	-0.42
Serentica Renewables 5PL	Solar	16.56	16.18	-0.38	-2.29
Serentica Renewables 5PL INF	Solar	0.41	0.41	0.00	0.00
Tata Power Green Energy Limited	Solar	29.3	28.13	-1.17	-3.99
Tata Power Renewable Energy Ltd	Solar	50.07	48.57	-1.50	-3.00
TESEPL	Solar	6.76	6.76	0.00	0.00
Thar Surya 1	Solar	47.33	47.19	-0.14	-0.30
TPSL Banderwala	Solar	28.35	27.15	-1.20	-4.23
TPSL BKN2 INF	Solar	13.12	13.27	0.15	1.14
Tata Power SAURYA Limited	Solar	14.27	13.36	-0.91	-6.38
Transition Renewable Energy	Solar	13.07	11.97	-1.10	-8.42
Transition Green Energy	Solar	13.32	13.01	-0.31	-2.33
Transition Sustainable One	Solar	6.9	6.78	-0.12	-1.74
Western Region					
Beempow Energy	Solar	54.44	54.26	-0.18	-0.33
ACL PSS3 KPS1	Solar	104.21	97.53	-6.68	-6.41
Arinsun Solar (Barsaitadesh)	Solar	36.75	38.95	2.20	5.99
Mahindra Solar (Badwar)	Solar	35.8	35.59	-0.21	-0.59
AVAADA_AGAR_RUMS	Solar	33.84	35.35	1.51	4.46

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of December 2024

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Athena_RUMS	Solar	35.51	37.75	2.24	6.31
Masaya BWSPRA_KNDW	Solar	48.29	47.77	-0.52	-1.08
NTPC_REL_SJPR_RUMS	Solar	7.6	6.86	-0.74	-9.74
TPSOURY_KWAI_NMCH	Solar	51.69	51.65	-0.04	-0.08
Sherisha Raipur	Solar	7.16	6.94	-0.22	-3.07
Solapur Solar	Solar	1.09	1.08	-0.01	-0.92
NTPCCREL1 SJPR RUMS	Solar	7.75	7.00	-0.75	-9.68
AREH4L_PSS1	Solar	113.15	111.28	-1.87	-1.65
Electro Solaire Private Limited (ESPL RSP Solar)	Solar	37.37	37.67	0.30	0.80
Tata Power Renewable Energy Limited (TPREL RSP Solar)	Solar	19	18.37	-0.63	-3.32
Gujarat Industries Power Company Limited (GIPCL RSP Solar)	Solar	19.18	19.58	0.40	2.09
Kawas NTPC	Solar	8.94	7.78	-1.16	-12.98
Gandhar_Solar	Solar	3.47	3.36	-0.11	-3.17
AGE25BL_PSS2_KPS1_SI	Solar	81.18	74.86	-6.32	-7.79
AGE24AL	Solar	8.78	9.27	0.49	5.58
Alfanar	Wind	69.34	63.28	-6.06	-8.74
ARE48L PSS9 KPS1	Wind	9.59	15.75	6.16	64.23
AWEK1L WIND (RATADIYA)	Wind	125.56	112.83	-12.73	-10.14
Adani Wind Energy Kutchh Four Limited (AWEK4L)	Wind	99.43	95.17	-4.26	-4.28
Adani Wind Energy MP One Private Limited (AWEMP1PL)	Wind	86.89	79.93	-6.96	-8.01
Green Infra Wind Energy Limited SECI-II (Giwel-II Wind (Vadva))	Wind	72.22	67.77	-4.45	-6.16
Green Infra Wind Energy Limited SECI-III (Giwel-III Wind (Naranpar))	Wind	74.27	70.15	-4.12	-5.55
GSECL_PH2	Wind	11.27	11.70	0.43	3.82
Ostro Kutch Wind Private Limited (OKWPL)	Wind	95.35	94.30	-1.05	-1.10
Renew Wind Energy (AP2) Private Limited (Ghadsisa)	Wind	0	0.03	0.03	
Avikiran Solar India Private Limited (ASIPL), Baranda	Wind	52.85	50.14	-2.71	-5.13
Apraava Khkrda Jam	Wind	85.83	83.84	-1.99	-2.32

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of December 2024

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.	% Deviation of Schedule
Netra Kotda	Wind	46.47	43.48	-2.99	-6.43
Powerica Wind	Wind	14.86	13.58	-1.28	-8.61
Torrent Sidpur Jam	Wind	40.47	40.74	0.27	0.67
SITAC	Wind	81.69	77.05	-4.64	-5.68
SRIJAN	Wind	28.57	24.52	-4.05	-14.18
NVWEPL_DAYAPAR_BHJ_W	Wind	63.63	47.43	-16.20	-25.46
SGEL RSP	Wind	17.77	17.93	0.16	0.90
Southern Region					
Beetam(Tuticorin)	Wind	39.44	30.51	-8.93	-22.64
GRTJIPL	Solar	23.23	21.90	-1.33	-5.73
Veena Gadag S	Solar	4.38	3.24	-1.14	-26.03
Veena Gadag W	Wind	14.4	13.78	-0.62	-4.31
Mytra	Wind	37.32	25.96	-11.36	-30.44
Orange	Wind	33.99	23.94	-10.05	-29.57
Green Infra	Wind	42.7	33.62	-9.08	-21.26
Hiriyur Ostro	Wind	52.25	44.58	-7.67	-14.68
Sprng Renewable Energy Pvt Ltd(Pugalur)	Wind	29.85	8.72	-21.13	-70.79
JSW Renew Energy Two Limited (Tuticorin)	Wind	60.64	50.80	-9.84	-16.23
JSW Savlaperi	Wind	79.87	67.52	-12.35	-15.46
Ettayapuram NTPC	Solar	35.77	35.42	-0.35	-0.98
ARPSPL KOPPAL	Wind	48.8	33.75	-15.05	-30.84
RSOPL KOPPAL	Wind	52.1	50.11	-1.99	-3.82
RSRPL KOPPAL	Wind	49.01	36.89	-12.12	-24.73
Serentica_koppal	Wind	25.37	25.92	0.55	2.17
Serentica_koppal infirm	Wind	0.84	0.82	-0.02	-2.38
Ramagundam Floating Solar	Solar	12.71	12.47	-0.24	-1.89
Simhadri Floating Solar	Solar	2.16	2.56	0.40	18.52

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 December 2024

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of December 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	0.66	0.66	0.66	100.00
Delhi	0.00	30.15	0.00	0.00	59.26	59.26	89.41	66.28
Haryana	2284.35	0.00	0.00	0.00	194.75	194.75	2479.10	7.86
HP	0.00	0.00	0.00	1426.60	104.08	1530.68	1530.68	100.00
J & K	0.00	0.00	0.00	393.11	11.65	404.76	404.76	100.00
Ladakh	0.00	0.00	0.00	15.61	0.00	15.61	15.61	100.00
Punjab	2423.53	0.00	0.00	326.44	321.53	647.97	3071.50	21.10
Rajasthan	5497.66	70.67	659.08	135.54	4394.84	5189.46	10757.79	48.24
Uttar Pradesh	12180.52	50.49	332.50	38.71	865.06	1236.27	13467.28	9.18
Uttarakhand	0.00	0.00	0.00	847.30	77.81	925.11	925.11	100.00
Northern Region Total	22386.06	151.31	991.58	3183.31	6029.64	10204.53	32741.90	31.17
WESTERN REGION								
Chhattisgarh	14334.96	0.00	0.00	3.72	285.45	289.17	14624.13	1.98
Gujarat	6769.95	117.35	1251.64	379.33	4069.44	5700.41	12587.71	45.29
Madhya Pradesh	12091.72	0.00	0.00	493.00	1064.43	1557.43	13649.15	11.41
Maharashtra	10627.10	413.37	673.66	344.53	1817.99	2836.18	13876.65	20.44
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	2.56	2.56	2.56	100.00
Goa	0.00	0.00	0.00	0.00	5.44	5.44	5.44	100.00
Western Region Total	43823.73	530.72	1925.30	1220.58	7245.30	10391.18	54745.63	18.98
SOUTHERN REGION								
Andhra Pradesh	5365.50	0.00	0.00	170.67	887.96	1058.63	6424.13	16.48

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of December 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	4394.45	0.00	0.00	159.51	558.65	718.16	5112.61	14.05
Karnataka	3838.15	0.00	531.97	1246.36	2536.80	4315.13	8153.28	52.93
Kerala	0.00	0.00	0.00	373.01	192.36	565.37	565.37	100.00
Tamil Nadu	4973.00	143.23	1675.85	473.29	1946.05	4095.19	9211.42	44.46
Lakshadweep	5.43	0.00	0.00	0.00	0.01	0.01	5.44	0.14
Puducherry	0.00	17.67	0.00	0.00	1.02	1.02	18.69	5.46
Southern Region Total	18576.53	160.90	2207.82	2422.84	6122.84	10753.50	29490.93	36.46
EASTERN REGION								
Andaman Nicobar	31.99	0.00	0.00	0.00	3.81	3.81	35.80	10.64
Bihar	4632.13	0.00	0.00	0.00	53.12	53.12	4685.25	1.13
Jharkhand	2971.74	0.00	0.00	11.64	2.55	14.19	2985.93	0.48
Odisha	6278.68	0.00	0.00	268.48	88.70	357.18	6635.86	5.38
Sikkim	0.00	0.00	0.00	88.42	1.03	89.45	89.45	100.00
West Bengal	7626.68	0.00	0.00	168.99	158.92	327.91	7954.59	4.12
Eastern Region Total	21541.22	0.00	0.00	537.53	308.13	845.66	22386.88	3.78
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	222.17	0.17	222.34	222.34	100.00
Assam	314.38	311.88	0.00	45.02	41.17	86.19	712.45	12.10
Manipur	0.00	0.00	0.00	78.98	0.74	79.72	79.72	100.00
Meghalaya	0.00	0.00	0.00	24.81	5.70	30.51	30.51	100.00
Mizoram	0.00	0.00	0.00	11.61	5.64	17.25	17.25	100.00
Nagaland	0.00	0.00	0.00	6.58	13.61	20.19	20.19	100.00
Tripura	0.00	444.79	0.00	0.00	0.52	0.52	445.31	0.12
North Eastern Region Total	314.38	756.67	0.00	389.17	67.56	456.73	1527.78	29.90
All India Total	106641.92	1599.60	5124.70	7753.43	19773.47	32651.60	140893.12	23.17

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

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Period of April 2024 – December 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	7.59	7.59	7.59	100.00
Delhi	0.00	3354.59	0.00	0.00	572.95	572.95	3927.54	14.59
Haryana	23519.35	215.37	0.00	0.00	1653.37	1653.37	25388.09	6.51
HP	0.00	0.00	0.00	35641.35	2876.71	38518.06	38518.06	100.00
J & K	0.00	0.00	0.00	13580.17	351.55	13931.72	13931.72	100.00
Ladakh	0.00	0.00	0.00	373.52	0.00	373.52	373.52	100.00
Punjab	25957.84	0.00	0.00	3449.60	2359.97	5809.57	31767.41	18.29
Rajasthan	47938.74	763.05	5817.48	526.04	41745.18	48088.70	96790.49	49.68
Uttar Pradesh	121857.35	1198.95	2799.83	930.95	4913.49	8644.27	131700.57	6.56
Uttarakhand	0.00	836.59	0.00	12832.82	700.29	13533.11	14369.70	94.18
Northern Region Total	219273.28	6368.55	8617.31	67334.45	55181.10	131132.86	356774.69	36.76
WESTERN REGION								
Chhattisgarh	122204.91	0.00	0.00	286.72	2352.81	2639.53	124844.44	2.11
Gujarat	63878.49	7849.86	8910.06	5140.62	33232.45	47283.13	119011.48	39.73
Madhya Pradesh	107974.90	0.00	0.00	6249.91	8921.74	15171.65	123146.55	12.32
Maharashtra	96698.13	4461.65	6950.43	4048.56	14347.56	25346.55	126506.33	20.04
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	20.71	20.71	20.71	100.00
Goa	0.00	0.00	0.00	0.00	48.93	48.93	48.93	100.00
Western Region Total	390756.43	12311.51	15860.49	15725.81	58924.21	90510.51	493578.45	18.34
SOUTHERN REGION								
Andhra Pradesh	52879.08	34.04	0.00	2684.39	12155.04	14839.43	67752.55	21.90
Telangana	41308.01	0.00	0.00	4796.51	5468.94	10265.45	51573.46	19.90
Karnataka	31271.54	0.00	5704.49	9993.66	25498.96	41197.11	72468.65	56.85
Kerala	1.53	0.00	0.00	5417.55	2079.91	7497.46	7498.99	99.98

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Period of April 2024 – December 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	54981.59	1295.75	12847.72	3667.35	26689.43	43204.50	99481.84	43.43
Lakshadweep	49.71	0.00	0.00	0.00	0.07	0.07	49.78	0.14
Puducherry	0.00	158.00	0.00	0.00	9.18	9.18	167.18	5.49
Southern Region Total	180491.46	1487.79	18552.21	26559.46	71901.52	117013.19	298992.44	39.14
EASTERN REGION								
Andaman Nicobar	278.31	0.00	0.00	0.00	30.94	30.94	309.25	10.01
Bihar	45481.55	0.00	0.00	0.00	284.26	284.26	45765.81	0.62
Jharkhand	29477.22	0.00	0.00	227.73	15.33	243.06	29720.28	0.82
Odisha	51004.53	0.00	0.00	5123.09	1013.05	6136.14	57140.67	10.74
Sikkim	0.00	0.00	0.00	1858.46	9.27	1867.73	1867.73	100.00
West Bengal	69765.64	0.00	0.00	2167.30	1445.52	3612.82	73378.46	4.92
Eastern Region Total	196007.25	0.00	0.00	9376.58	2798.37	12174.95	208182.20	5.85
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	3770.19	1.32	3771.51	3771.51	100.00
Assam	3683.97	2555.49	0.00	842.47	415.63	1258.10	7497.56	16.78
Manipur	0.00	0.00	0.00	580.84	6.46	587.30	587.30	100.00
Meghalaya	0.00	0.00	0.00	809.90	102.96	912.86	912.86	100.00
Mizoram	0.00	0.00	0.00	218.69	60.56	279.25	279.25	100.00
Nagaland	0.00	0.00	0.00	203.12	93.01	296.13	296.13	100.00
Tripura	0.00	3812.95	0.00	0.00	4.39	4.39	3817.34	0.11
North Eastern Region Total	3683.97	6368.44	0.00	6425.21	684.33	7109.54	17161.95	41.43
All India Total	990212.39	26536.29	43030.01	125421.51	189489.54	357941.06	1374689.74	26.04

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

Renewable Energy (State Wise) Generation(MU) for the Month of December 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	0.66	0.66	0.66	100.00
Delhi	0.00	30.15	0.00	0.00	59.26	59.26	89.41	66.28
Haryana	2284.35	0.00	0.00	0.00	194.75	194.75	2479.10	7.86
HP	0.00	0.00	0.00	1426.60	104.08	1530.68	1530.68	100.00
J & K	0.00	0.00	0.00	393.11	11.65	404.76	404.76	100.00
Ladakh	0.00	0.00	0.00	15.61	0.00	15.61	15.61	100.00
Punjab	2423.53	0.00	0.00	326.44	321.53	647.97	3071.50	21.10
Rajasthan	5497.66	70.67	659.08	135.54	4394.84	4530.38	10757.79	42.11
Uttar Pradesh	12180.52	50.49	332.50	38.71	865.06	903.77	13467.28	6.71
Uttarakhand	0.00	0.00	0.00	847.30	77.81	925.11	925.11	100.00
Northern Region Total	22386.06	151.31	991.58	3183.31	6029.64	9212.95	32741.90	28.14
WESTERN REGION								
Chhattisgarh	14334.96	0.00	0.00	3.72	285.45	289.17	14624.13	1.98
Gujarat	6769.95	117.35	1251.64	379.33	4069.44	4448.77	12587.71	35.34
Madhya Pradesh	12091.72	0.00	0.00	493.00	1064.43	1557.43	13649.15	11.41
Maharashtra	10627.10	413.37	673.66	344.53	1817.99	2162.52	13876.65	15.58
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	2.56	2.56	2.56	100.00
Goa	0.00	0.00	0.00	0.00	5.44	5.44	5.44	100.00
Western Region Total	43823.73	530.72	1925.30	1220.58	7245.30	8465.88	54745.63	15.46
SOUTHERN REGION								
Andhra Pradesh	5365.50	0.00	0.00	170.67	887.96	1058.63	6424.13	16.48
Telangana	4394.45	0.00	0.00	159.51	558.65	718.16	5112.61	14.05
Karnataka	3838.15	0.00	531.97	1246.36	2536.80	3783.16	8153.28	46.40

Renewable Energy (State Wise) Generation(MU) for the Month of December 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	373.01	192.36	565.37	565.37	100.00
Tamil Nadu	4973.00	143.23	1675.85	473.29	1946.05	2419.34	9211.42	26.26
Lakshadweep	5.43	0.00	0.00	0.00	0.01	0.01	5.44	0.14
Puducherry	0.00	17.67	0.00	0.00	1.02	1.02	18.69	5.46
Southern Region Total	18576.53	160.90	2207.82	2422.84	6122.84	8545.68	29490.93	28.98
EASTERN REGION								
Andaman Nicobar	31.99	0.00	0.00	0.00	3.81	3.81	35.80	10.64
Bihar	4632.13	0.00	0.00	0.00	53.12	53.12	4685.25	1.13
Jharkhand	2971.74	0.00	0.00	11.64	2.55	14.19	2985.93	0.48
Odisha	6278.68	0.00	0.00	268.48	88.70	357.18	6635.86	5.38
Sikkim	0.00	0.00	0.00	88.42	1.03	89.45	89.45	100.00
West Bengal	7626.68	0.00	0.00	168.99	158.92	327.91	7954.59	4.12
Eastern Region Total	21541.22	0.00	0.00	537.53	308.13	845.66	22386.88	3.78
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	222.17	0.17	222.34	222.34	100.00
Assam	314.38	311.88	0.00	45.02	41.17	86.19	712.45	12.10
Manipur	0.00	0.00	0.00	78.98	0.74	79.72	79.72	100.00
Meghalaya	0.00	0.00	0.00	24.81	5.70	30.51	30.51	100.00
Mizoram	0.00	0.00	0.00	11.61	5.64	17.25	17.25	100.00
Nagaland	0.00	0.00	0.00	6.58	13.61	20.19	20.19	100.00
Tripura	0.00	444.79	0.00	0.00	0.52	0.52	445.31	0.12
North Eastern Region Total	314.38	756.67	0.00	389.17	67.56	456.73	1527.78	29.90
All India Total	106641.92	1599.60	5124.70	7753.43	19773.47	27526.90	140893.12	19.54

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

Renewable Energy (State Wise Generation (MU) for the Period of April 2024- December 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	7.59	7.59	7.59	100.00
Delhi	0.00	3354.59	0.00	0.00	572.95	572.95	3927.54	14.59
Haryana	23519.35	215.37	0.00	0.00	1653.37	1653.37	25388.09	6.51
HP	0.00	0.00	0.00	35641.35	2876.71	38518.06	38518.06	100.00
J & K	0.00	0.00	0.00	13580.17	351.55	13931.72	13931.72	100.00
Ladakh	0.00	0.00	0.00	373.52	0.00	373.52	373.52	100.00
Punjab	25957.84	0.00	0.00	3449.60	2359.97	5809.57	31767.41	18.29
Rajasthan	47938.74	763.05	5817.48	526.04	41745.18	42271.22	96790.49	43.67
Uttar Pradesh	121857.35	1198.95	2799.83	930.95	4913.49	5844.44	131700.57	4.44
Uttarakhand	0.00	836.59	0.00	12832.82	700.29	13533.11	14369.70	94.18
Northern Region Total	219273.28	6368.55	8617.31	67334.45	55181.10	122515.55	356774.69	34.34
WESTERN REGION								
Chhattisgarh	122204.91	0.00	0.00	286.72	2352.81	2639.53	124844.44	2.11
Gujarat	63878.49	7849.86	8910.06	5140.62	33232.45	38373.07	119011.48	32.24
Madhya Pradesh	107974.90	0.00	0.00	6249.91	8921.74	15171.65	123146.55	12.32
Maharashtra	96698.13	4461.65	6950.43	4048.56	14347.56	18396.12	126506.33	14.54
Daman and Diu Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	20.71	20.71	20.71	100.00
Goa	0.00	0.00	0.00	0.00	48.93	48.93	48.93	100.00
Western Region Total	390756.43	12311.51	15860.49	15725.81	58924.21	74650.02	493578.45	15.12
SOUTHERN REGION								
Andhra Pradesh	52879.08	34.04	0.00	2684.39	12155.04	14839.43	67752.55	21.90
Telangana	41308.01	0.00	0.00	4796.51	5468.94	10265.45	51573.46	19.90
Karnataka	31271.54	0.00	5704.49	9993.66	25498.96	35492.62	72468.65	48.98

Renewable Energy (State Wise Generation (MU) for the Period of April 2024- December 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	1.53	0.00	0.00	5417.55	2079.91	7497.46	7498.99	99.98
Tamil Nadu	54981.59	1295.75	12847.72	3667.35	26689.43	30356.78	99481.84	30.51
Lakshadweep	49.71	0.00	0.00	0.00	0.07	0.07	49.78	0.14
Puducherry	0.00	158.00	0.00	0.00	9.18	9.18	167.18	5.49
Southern Region Total	180491.46	1487.79	18552.21	26559.46	71901.52	98460.98	298992.44	32.93
EASTERN REGION								
Andaman Nicobar	278.31	0.00	0.00	0.00	30.94	30.94	309.25	10.01
Bihar	45481.55	0.00	0.00	0.00	284.26	284.26	45765.81	0.62
Jharkhand	29477.22	0.00	0.00	227.73	15.33	243.06	29720.28	0.82
Odisha	51004.53	0.00	0.00	5123.09	1013.05	6136.14	57140.67	10.74
Sikkim	0.00	0.00	0.00	1858.46	9.27	1867.73	1867.73	100.00
West Bengal	69765.64	0.00	0.00	2167.30	1445.52	3612.82	73378.46	4.92
Eastern Region Total	196007.25	0.00	0.00	9376.58	2798.37	12174.95	208182.20	5.85
NORTH-EASTERN REGION								
Arunachal Pradesh	0.00	0.00	0.00	3770.19	1.32	3771.51	3771.51	100.00
Assam	3683.97	2555.49	0.00	842.47	415.63	1258.10	7497.56	16.78
Manipur	0.00	0.00	0.00	580.84	6.46	587.30	587.30	100.00
Meghalaya	0.00	0.00	0.00	809.90	102.96	912.86	912.86	100.00
Mizoram	0.00	0.00	0.00	218.69	60.56	279.25	279.25	100.00
Nagaland	0.00	0.00	0.00	203.12	93.01	296.13	296.13	100.00
Tripura	0.00	3812.95	0.00	0.00	4.39	4.39	3817.34	0.11
North Eastern Region Total	3683.97	6368.44	0.00	6425.21	684.33	7109.54	17161.95	41.43
All India Total	990212.39	26536.29	43030.01	125421.51	189489.54	314911.05	1374689.74	22.91

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

RE generation(MUs) data (source wise) for the month of December -2024 and December 2023														
Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23
NORTHERN REGION														
Chandigarh	0.00	0.00	0.66	0.63	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	42.05	46.43	0.00	0.00
Haryana	0.00	0.00	122.22	96.90	32.03	20.79	0.00	3.11	37.34	21.14	3.16	4.57	0.00	0.00
Himachal Pradesh	0.00	0.00	8.24	4.76	0.00	0.00	0.00	0.00	95.84	92.36	0.00	0.00	1426.60	1430.66
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.65	16.32	0.00	0.00	393.11	437.96
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.61	18.00
Punjab	0.00	0.00	80.13	73.70	64.02	59.16	46.55	32.95	130.83	63.08	0.00	0.00	326.44	382.23
Rajasthan	657.17	491.77	3702.04	2900.31	34.89	34.61	0.00	0.00	0.74	1.43	0.00	0.00	135.54	104.56
Uttar Pradesh	0.00	0.00	356.36	255.67	9.09	4.11	485.79	509.37	10.33	20.80	3.49	1.50	38.71	27.42
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	847.30	765.55
Northern Region	657.17	491.77	4314.51	3376.83	140.03	118.67	553.05	566.14	316.18	244.57	48.70	52.51	3183.31	3166.38
WESTERN REGION														
Chhattisgarh	0.00	0.00	123.88	84.92	153.82	127.24	2.31	4.30	5.44	7.19	0.00	0.00	3.72	3.72
Gujarat	2587.37	2028.39	1448.86	1065.84	15.08	0.00	0.00	0.00	18.13	18.86	0.00	0.00	379.33	253.05
Madhya Pradesh	354.48	286.95	631.84	319.95	6.75	7.69	21.37	15.22	43.92	41.13	6.06	2.39	493.00	362.06
Maharashtra	316.35	381.25	642.03	466.05	17.32	23.83	767.29	702.15	70.05	68.17	4.95	5.34	344.53	232.63
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	1.37	1.14	1.19	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	4.76	0.00	1.18	0.00	0.00	0.00	0.00	0.68	0.68	0.00	0.00

RE generation(MUs) data (source wise) for the month of December -2024 and December 2023

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23
Western Region	3258.20	2696.59	2852.74	1942.66	194.16	159.94	790.97	721.67	137.54	135.35	11.69	8.41	1220.58	851.46
SOUTHERN REGION														
Andhra Pradesh	299.40	422.65	514.99	578.54	2.16	1.62	9.54	9.16	40.61	9.73	21.26	26.46	170.67	126.14
Telangana	18.25	22.33	491.86	539.06	1.85	1.57	19.24	20.41	6.01	5.81	21.44	14.16	159.51	94.74
Karnataka	783.12	721.20	1084.01	1181.20	1.55	3.65	508.86	530.95	159.27	65.25	0.00	0.00	1246.36	432.02
Kerala	6.16	8.65	139.16	100.03	0.00	0.00	0.00	6.92	39.46	43.90	7.58	0.00	373.01	357.18
Tamil Nadu	725.19	749.80	1165.04	751.15	6.70	11.71	25.62	52.23	23.49	28.04	0.00	0.00	473.29	305.69
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	1832.12	1924.63	3396.08	3151.00	12.26	18.55	563.26	619.67	268.84	152.73	50.28	40.62	2422.84	1315.77
EASTERN REGION														
Andaman Nicobar	0.00	0.00	2.03	2.61	0.00	0.00	0.00	0.00	1.78	1.18	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	25.39	14.96	0.00	0.00	27.73	25.09	0.00	0.13	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	1.08	0.00	0.00	0.00	11.64	19.98
Odisha	0.00	0.00	56.20	60.28	4.32	9.30	0.00	0.00	28.18	19.31	0.00	0.00	268.48	269.87
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	88.42	70.75
West Bengal	0.00	0.00	27.76	16.09	0.00	0.00	0.00	0.00	16.20	12.77	114.96	127.58	168.99	161.45
Eastern Region	0.00	0.00	112.85	95.40	4.32	9.30	27.73	25.09	48.27	34.42	114.96	127.58	537.53	522.05

RE generation(MUs) data (source wise) for the month of December -2024 and December 2023

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	December' 23	December' 24	Decemb er'23	Decemb er'24	December '23	December' 24	December'2 3
NORTH-EASTERN REGION														
Arunachal Pradesh	0.00	0.00	0.12	0.10	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	222.17	182.85
Assam	0.00	0.00	26.76	27.15	0.00	0.00	0.00	0.00	14.40	4.73	0.02	0.10	45.02	40.79
Manipur	0.00	0.00	0.74	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.98	33.16
Megh alaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.70	7.03	0.00	0.00	24.81	40.20
Mizoram	0.00	0.00	2.88	0.27	0.00	0.00	0.00	0.00	2.76	7.99	0.00	0.00	11.61	8.54
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.61	5.45	0.00	0.00	6.58	5.91
Tripura	0.00	0.00	0.52	0.49	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	31.03	28.62	0.00	0.00	0.00	0.00	36.52	25.25	0.02	0.10	389.17	311.45
All India Total	5747.49	5113.00	10707.21	8594.51	350.76	306.46	1935.01	1932.57	807.35	592.32	225.65	229.22	7753.43	6167.11

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

RE generation(MUs) data (source wise) for the period of April 2024 –December 2024 and April 2023 –December 2023

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23
NORTHERN REGION														
Chandigarh	0.00	0.00	7.59	9.99	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	154.90	154.90	0.00	0.00	0.00	0.00	0.00	0.00	418.05	382.05	0.00	0.00
Haryana	0.00	0.00	1103.36	701.62	263.14	218.99	44.60	57.46	202.62	178.80	39.65	44.91	0.00	0.00
Himachal Pradesh	0.00	0.00	69.54	44.94	0.00	0.00	0.00	0.00	2807.17	2314.92	0.00	0.00	35641.35	32268.80
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	351.55	347.34	0.00	0.00	13580.17	13926.66
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	373.52	347.39
Punjab	0.00	0.00	1030.97	2403.38	511.31	440.49	187.36	83.69	630.33	545.28	0.00	0.00	3449.60	3875.17
Rajasthan	5503.12	6861.59	35949.22	28274.90	291.23	279.48	0.00	0.00	1.61	2.56	0.00	0.00	526.04	609.78
Uttar Pradesh	0.00	0.00	3600.06	2966.98	38.18	24.39	1131.34	1486.24	118.63	126.03	25.29	76.69	930.95	666.83
Uttarakhand	0.00	0.00	248.85	248.85	0.00	0.00	186.39	186.39	265.05	265.05	0.00	0.00	12832.82	11884.86
Northern Region	5503.12	6861.59	42164.49	34805.56	1103.85	963.35	1549.69	1813.77	4376.96	3779.98	482.99	503.65	67334.45	63579.49
WESTERN REGION														
Chhattisgarh	0.00	0.00	1085.56	622.30	1135.65	1038.31	6.28	8.85	125.33	134.17	0.00	0.00	286.72	257.93
Gujarat	19654.70	19804.55	13405.20	9499.73	43.48	0.00	0.00	0.74	129.07	145.11	0.00	0.00	5140.62	3717.09
Madhya Pradesh	3700.92	3946.61	4704.07	2696.29	44.23	64.85	60.30	27.28	364.63	355.13	47.59	19.86	6249.91	5313.27
Maharashtra	6778.69	7121.00	5265.44	4130.21	185.92	228.17	1427.04	1561.09	624.77	684.92	65.70	13.92	4048.56	4293.19
Dadra and Nagar Haveli and Daman and Diu	0.00	0.00	11.34	11.10	9.37	9.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	42.83	45.72	0.00	0.00	0.00	0.00	0.00	0.00	6.10	5.92	0.00	0.00

RE generation(MUs) data (source wise) for the period of April 2024 –December 2024 and April 2023 –December 2023

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23
Western Region	30134.31	30872.15	24514.43	17005.34	1418.66	1341.04	1493.62	1597.96	1243.79	1319.33	119.39	39.70	15725.81	13581.48
SOUTHERN REGION														
Andhra Pradesh	6028.69	7257.52	5669.37	5990.90	13.68	13.38	33.39	32.57	182.39	95.97	227.52	230.68	2684.39	1112.50
Telangana	234.36	242.92	4942.51	4988.87	7.78	3.88	28.80	38.82	62.95	50.16	192.54	108.33	4796.51	1071.77
Karnataka	11029.54	9216.22	11113.02	11119.16	23.36	44.20	1339.14	1637.40	1993.91	1297.11	0.00	0.00	9993.66	7262.83
Kerala	98.27	196.72	1206.56	840.23	0.00	0.00	20.53	60.45	711.17	612.62	43.39	0.03	5417.55	3895.44
Tamil Nadu	14955.10	15177.48	11207.25	8468.41	80.02	95.56	252.84	423.43	194.21	142.21	0.00	0.00	3667.35	2860.98
Lakshadweep	0.00	0.00	0.07	0.07	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	9.18	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Southern Region	32345.96	32090.85	34147.96	31416.82	124.83	157.01	1674.70	2192.67	3144.63	2198.06	463.44	339.05	26559.46	16203.52
EASTERN REGION														
Andaman Nicobar	0.00	0.00	18.13	18.10	0.00	0.00	0.00	0.00	12.81	9.31	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	238.63	140.65	0.00	0.00	33.70	72.73	11.93	5.51	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	13.23	13.23	0.00	0.00	0.00	0.00	2.10	0.00	0.00	0.00	227.73	179.21
Odisha	0.00	0.00	570.94	548.77	49.43	73.21	0.00	0.00	392.68	350.59	0.00	0.00	5123.09	4897.38
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.27	9.27	0.00	0.00	1858.46	8492.36
West Bengal	0.00	0.00	214.20	119.30	0.00	0.00	0.00	0.00	145.73	163.65	1085.60	1157.18	2167.30	2352.76
Eastern Region	0.00	0.00	1055.12	840.05	49.43	73.21	33.70	72.73	574.51	538.32	1085.60	1157.18	9376.58	15921.71
NORTH-EASTERN REGION														

RE generation(MUs) data (source wise) for the period of April 2024 –December 2024 and April 2023 –December 2023

Name of State/UT	Wind		Solar		Biomass		Bagasse		Small Hydro		Others (Waste to Energy)		Large Hydro	
	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23	Apr'24-Nov'24	Apr'23-Nov'23
Arunachal Pradesh	0.00	0.00	0.89	1.59	0.00	0.00	0.00	0.00	0.44	0.52	0.00	0.00	3770.19	3752.98
Assam	0.00	0.00	229.07	238.47	0.00	0.00	0.00	0.00	186.31	56.58	0.26	0.39	842.47	518.52
Manipur	0.00	0.00	6.46	5.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	580.84	248.72
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.96	53.60	0.00	0.00	809.90	714.12
Mizoram	0.00	0.00	16.73	2.39	0.00	0.00	0.00	0.00	43.83	71.95	0.00	0.00	218.69	81.71
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.01	72.93	0.00	0.00	203.12	155.53
Tripura	0.00	0.00	4.39	3.58	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	257.53	251.82	0.00	0.00	0.00	0.00	426.55	255.57	0.26	1.62	6425.21	5471.58
All India Total	67983.39	69824.59	102139.54	84319.53	2696.77	2534.61	4751.71	5677.13	9766.44	8091.27	2151.59	2041.21	125421.51	114757.78



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