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विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority



Monthly Renewable Energy Generation Report
मासिक नवीकरणीय ऊर्जा उत्पादन रिपोर्ट

APRIL/अप्रैल 2022

नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division

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Note- the RE Generation indicating Excluding Large hydro.

Highlights of RE GENERATION (Excluding Large Hydro) during April 2022

1. RE capacity, addition during April 2022 was 1513.62 MW.
2. RE generation during April 2022 has been increased by 29.68 % as compared to April 2021.
3. Wind Power generation during April 2022 as compared to April 2021 has increased (about 10%) in all states except Maharashtra, Karnataka, and Tamil Nadu.
4. Solar Power generation during April 2022 as compared to April 2021 has increased (about 36%) in all states except Karnataka.

SUMMARY OF INSTALLED CAPACITY (IC) OF THE MONTH OF APRIL 22

Increased by 161.51 % as compared to April 21.

Decreased by 56.89 % as compared to March 22.

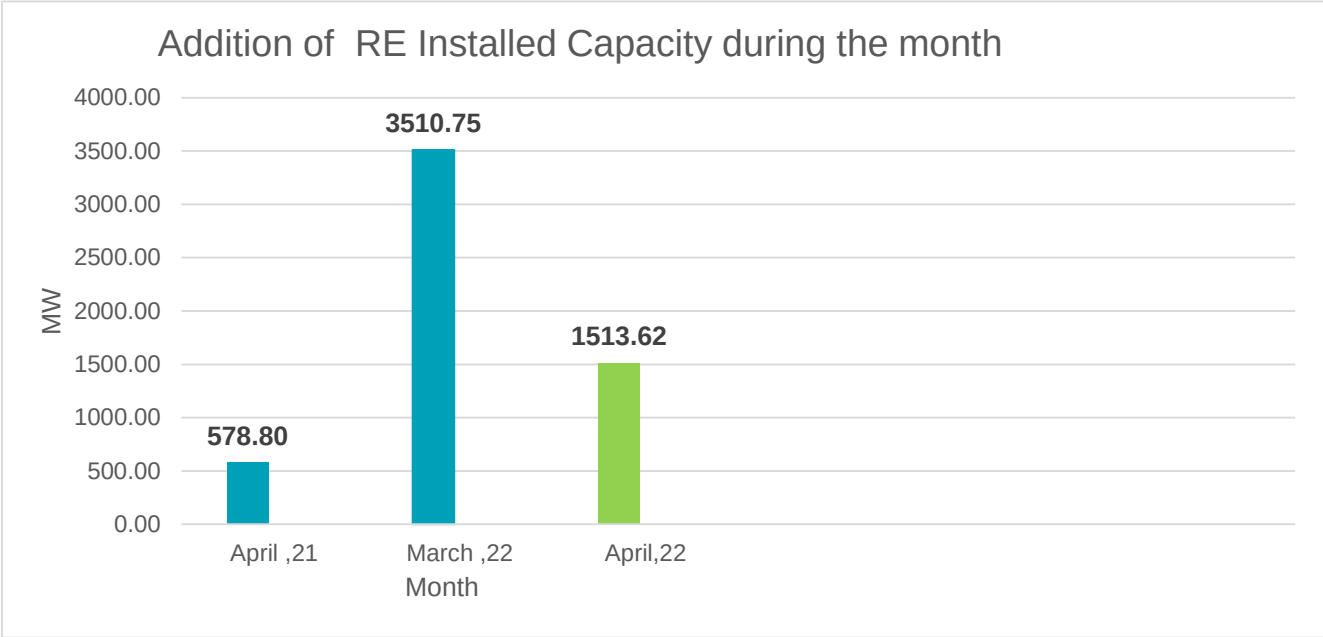


Figure 1: RE capacity added during the Month

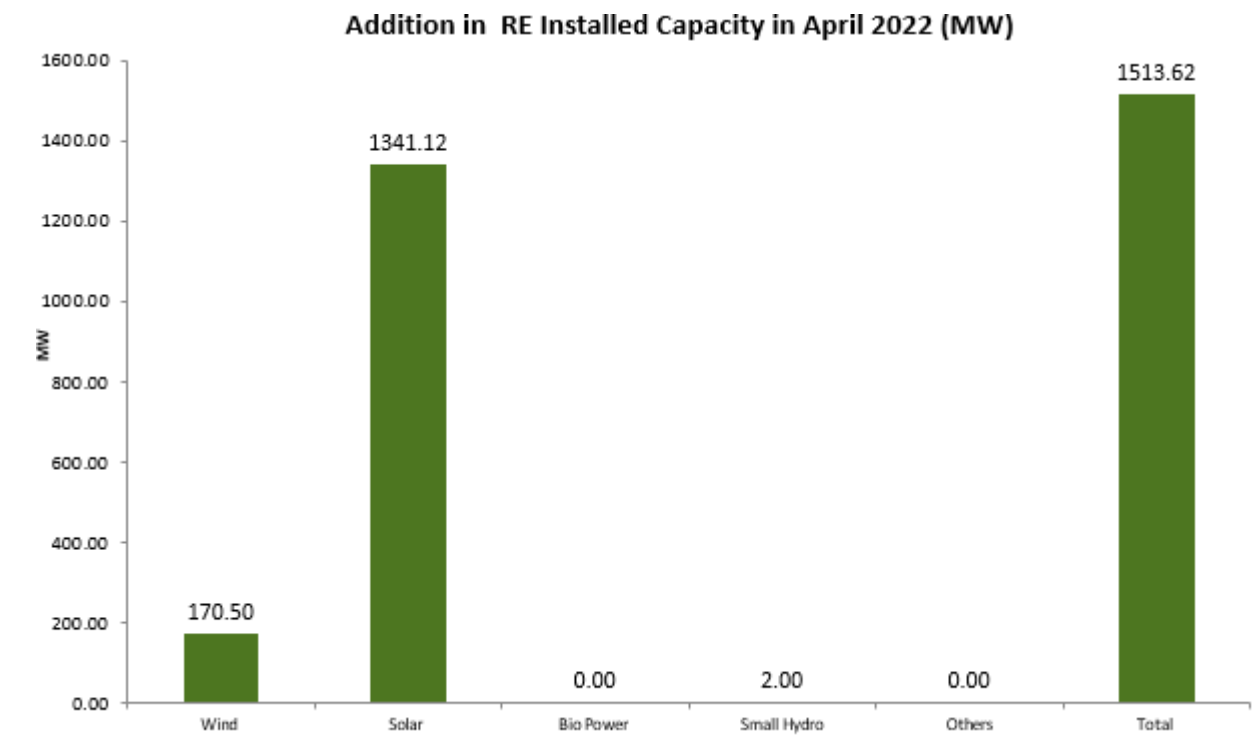


Figure 2: Source wise addition in RE Installed Capacity in April 22

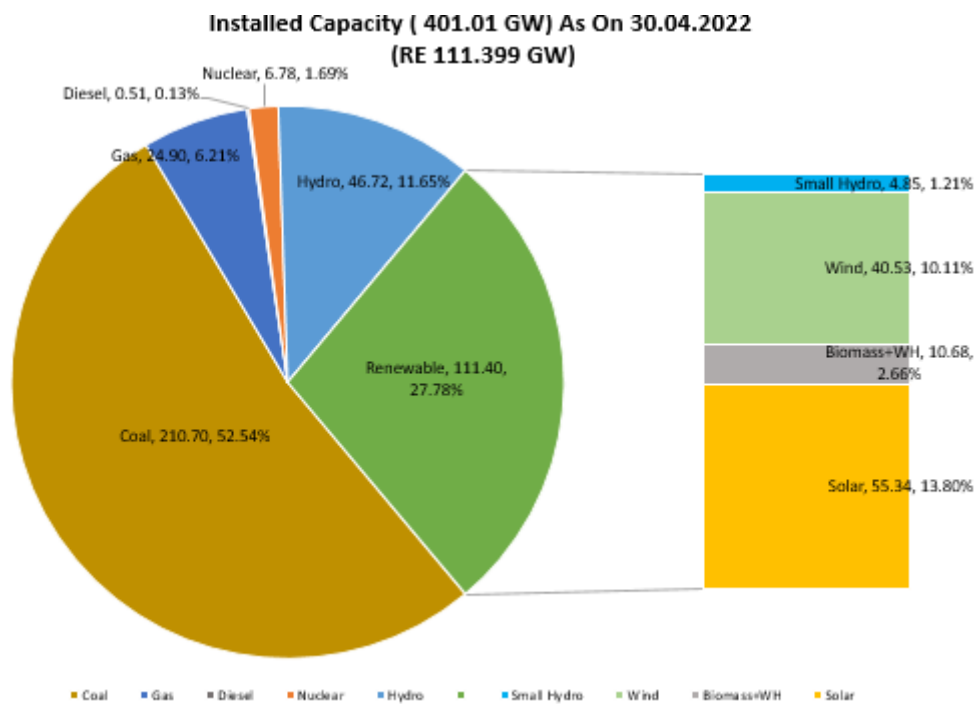


Figure 3: Installed Capacity in India as on 30.04.2022

SUMMARY OF GENERATION REPORT FOR THE MONTH OF APRIL 2022

Increased by 29.68 % as compared to April 21.

Decreased by 3.43 % as compared to March 22.

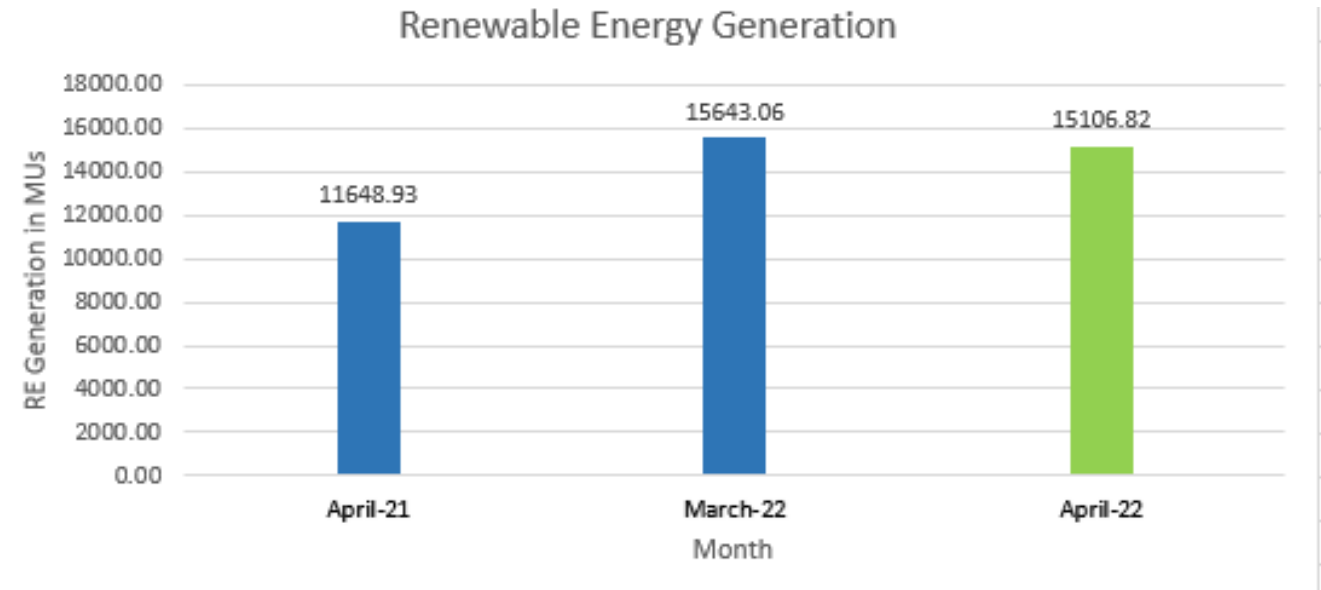
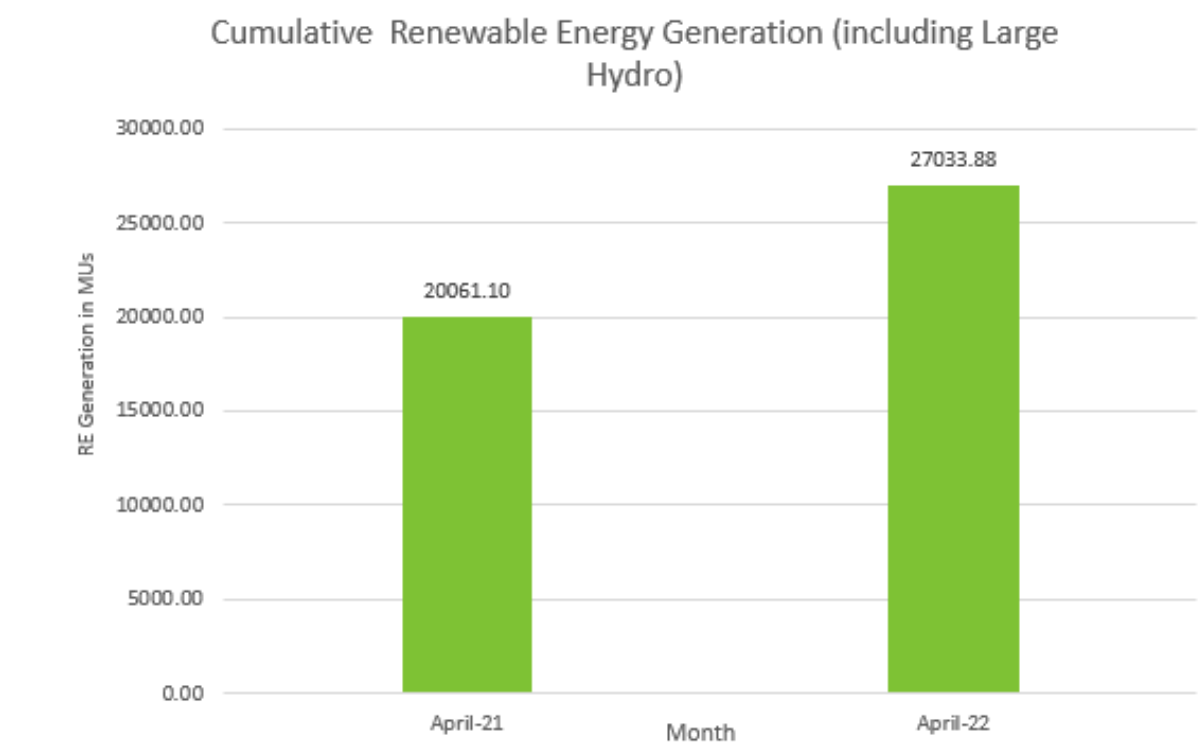


Figure 4: Renewable Energy Generation

Figure 5: Cumulative Renewable Energy Generation (Including Large Hydro)



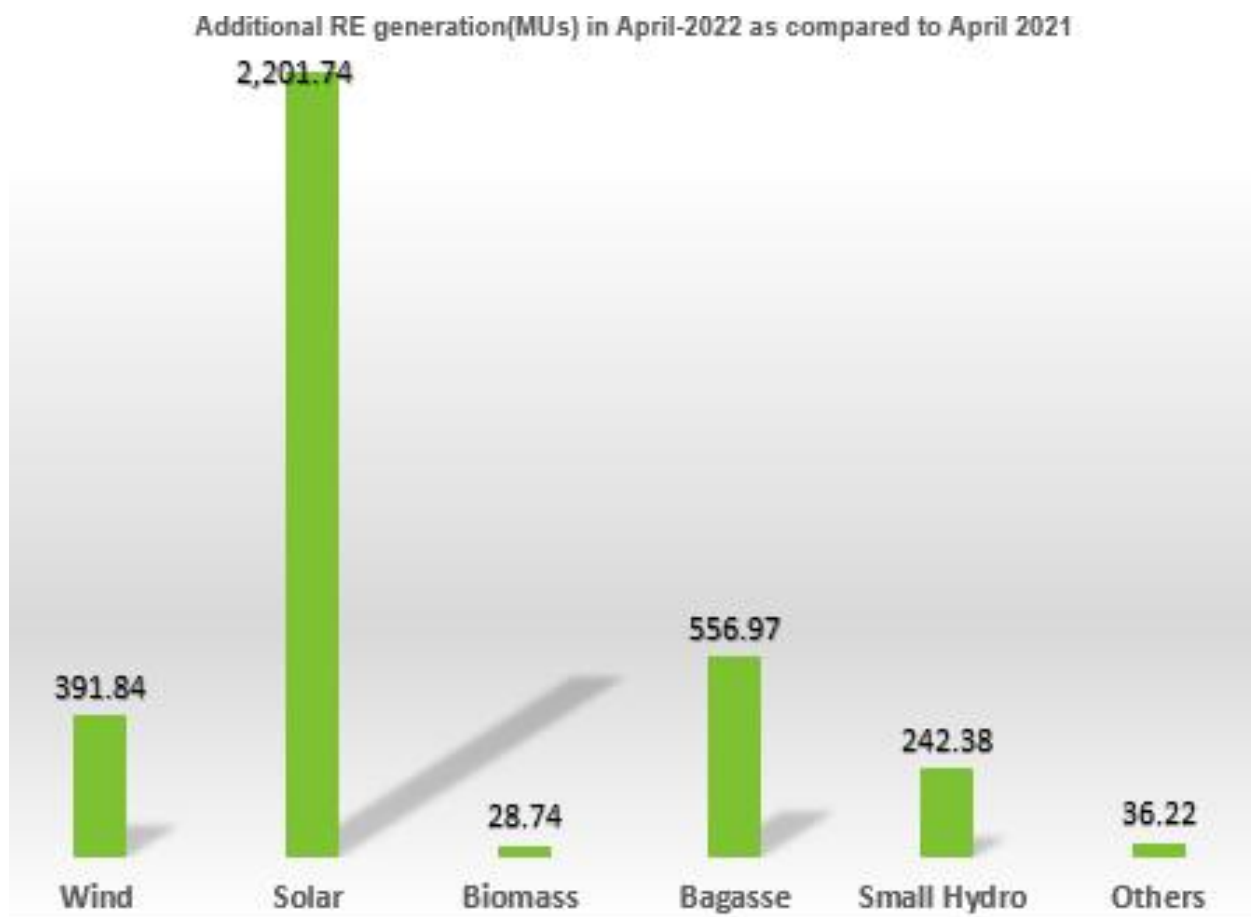


Figure 6: Additional RE Generation in April 22 as compared to April 21

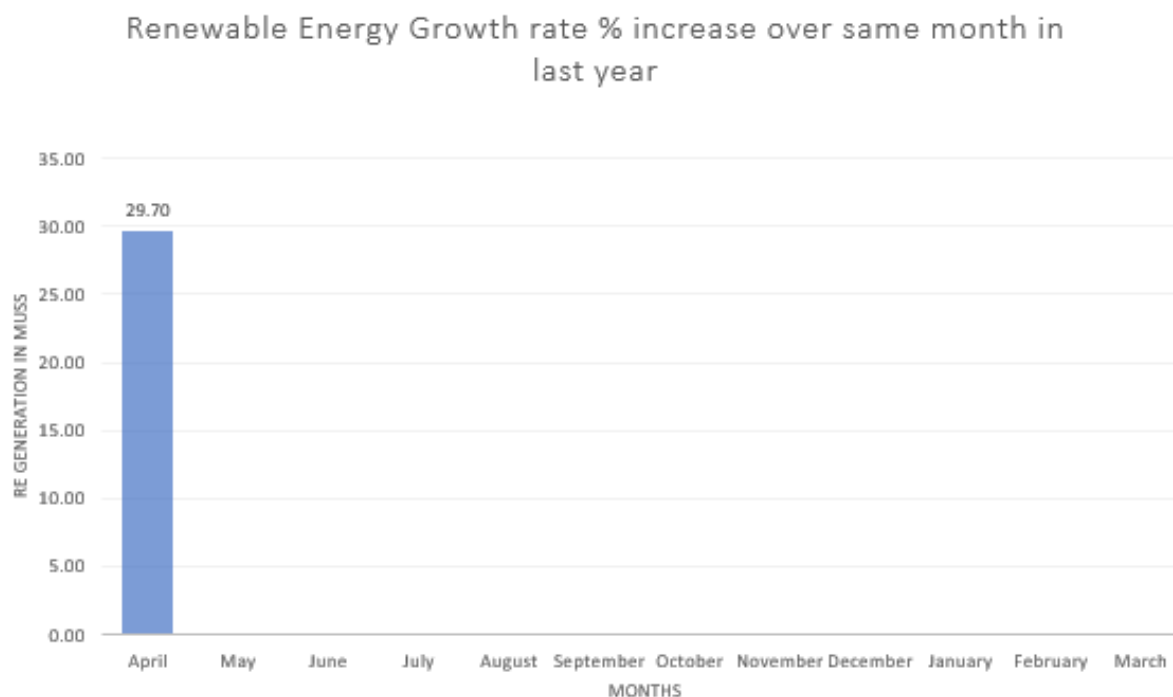


Figure 7: Month Wise Growth of RE Generation w.r.t to previous year.

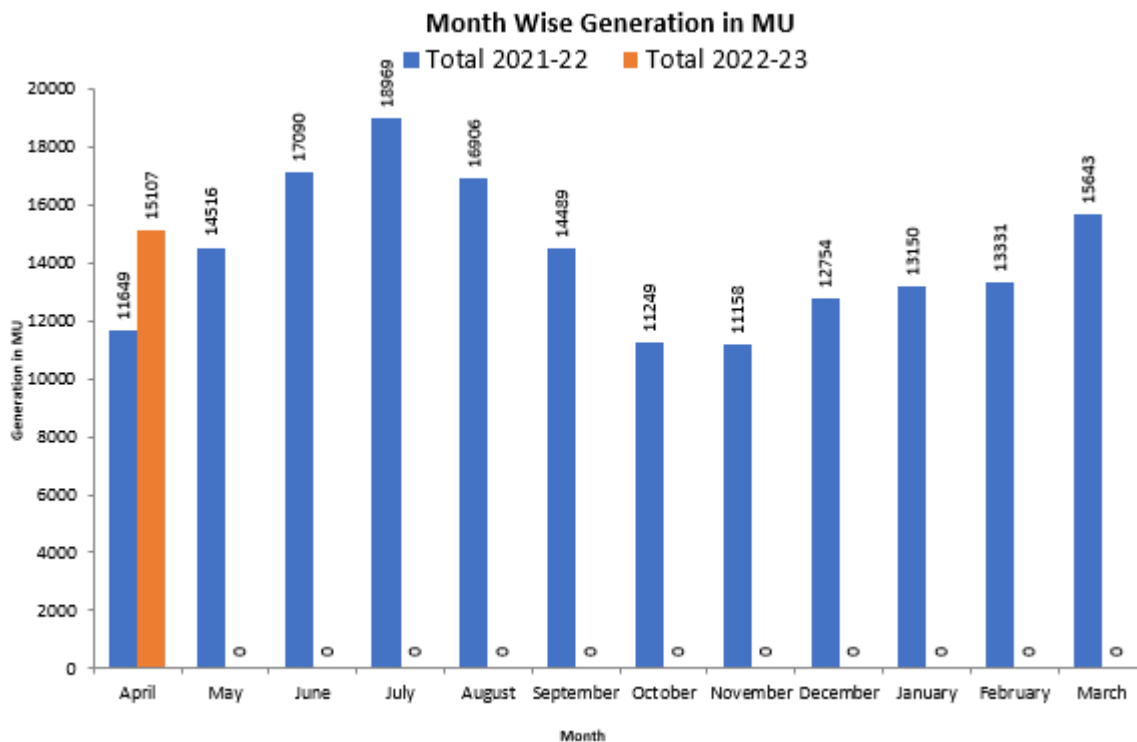


Figure 8: comparison of Month Wise RE Generation in year 2021-22 & in year 2022-23.

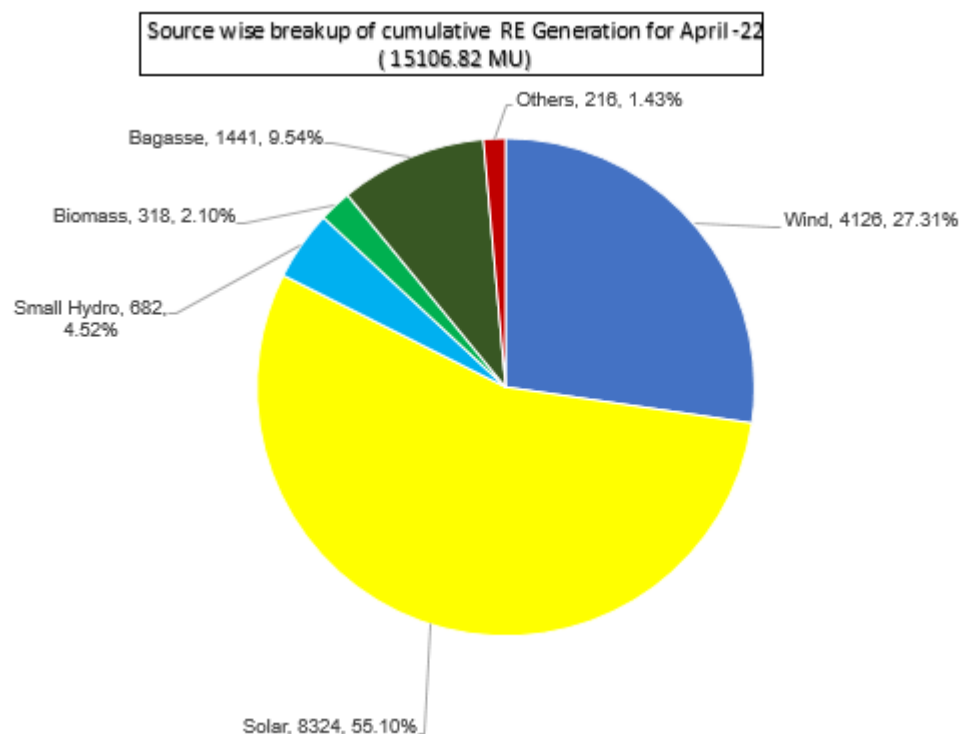


Figure 9: Source wise breakup of RE Generation in the month of April -22

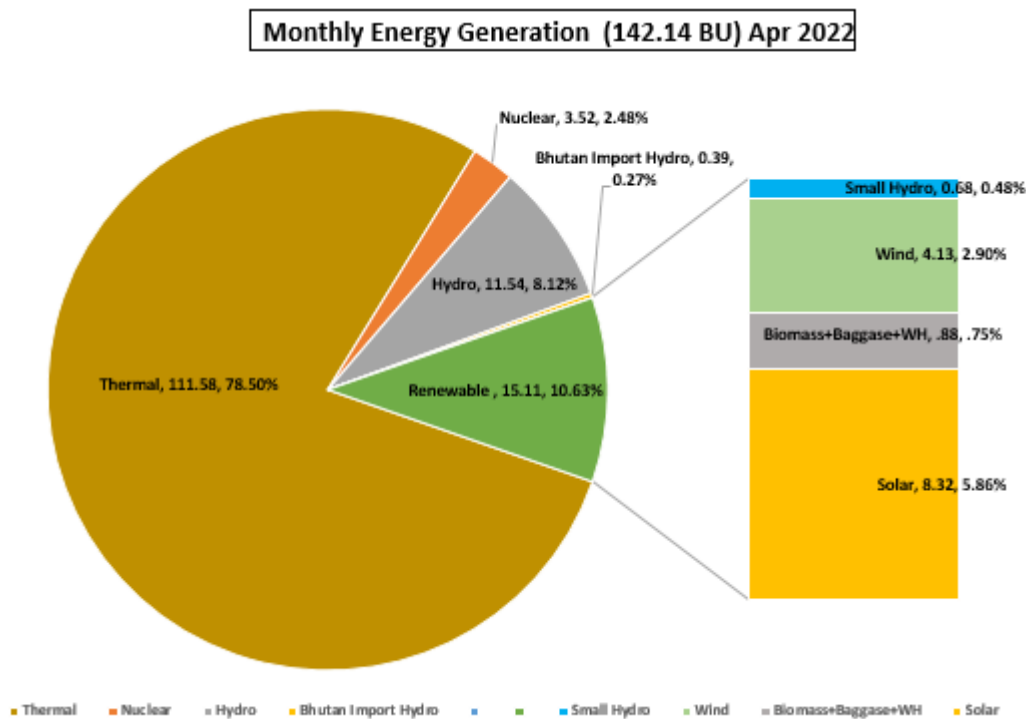


Figure 10: Total Energy Generation in India and Share of RE in the month of April -22

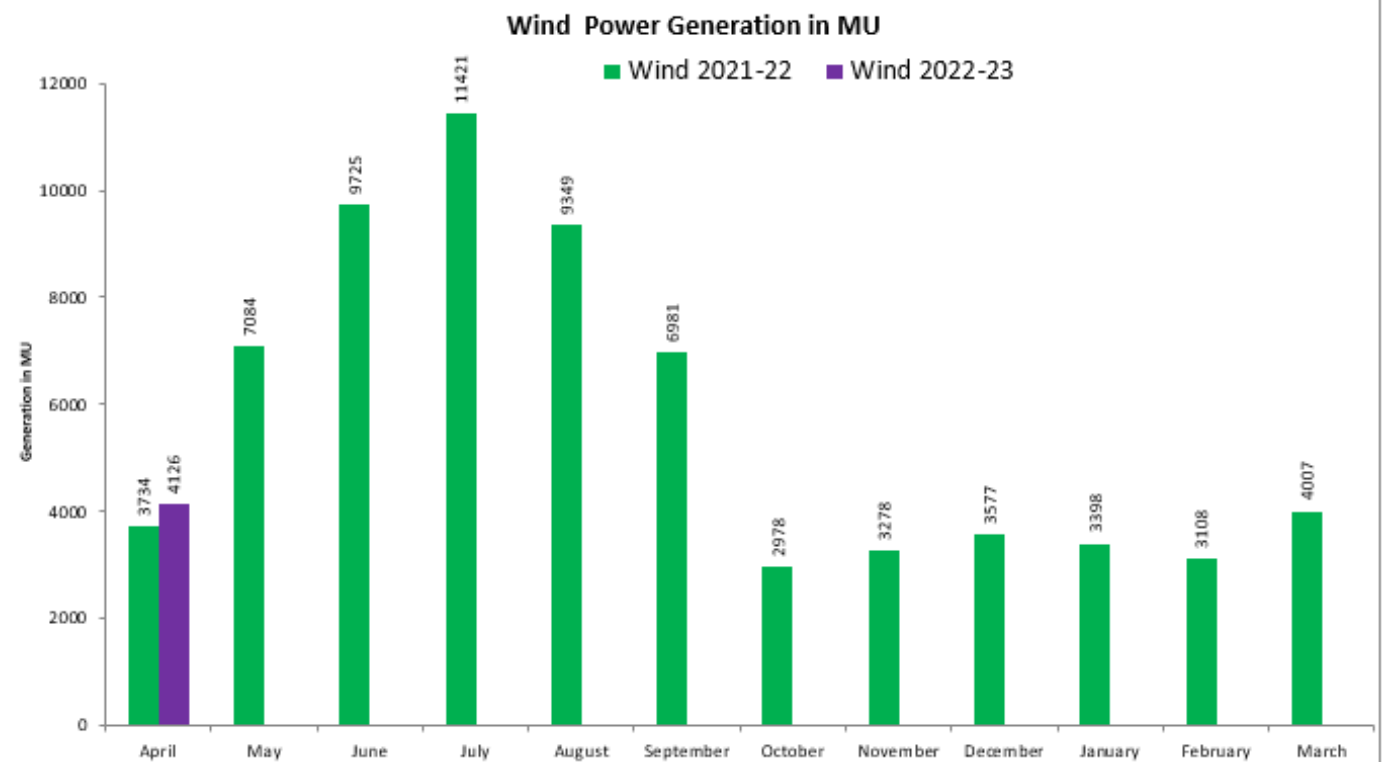


Figure 11: Month Wise Wind Power Generation for the year 2021-22 and year 2022-23.

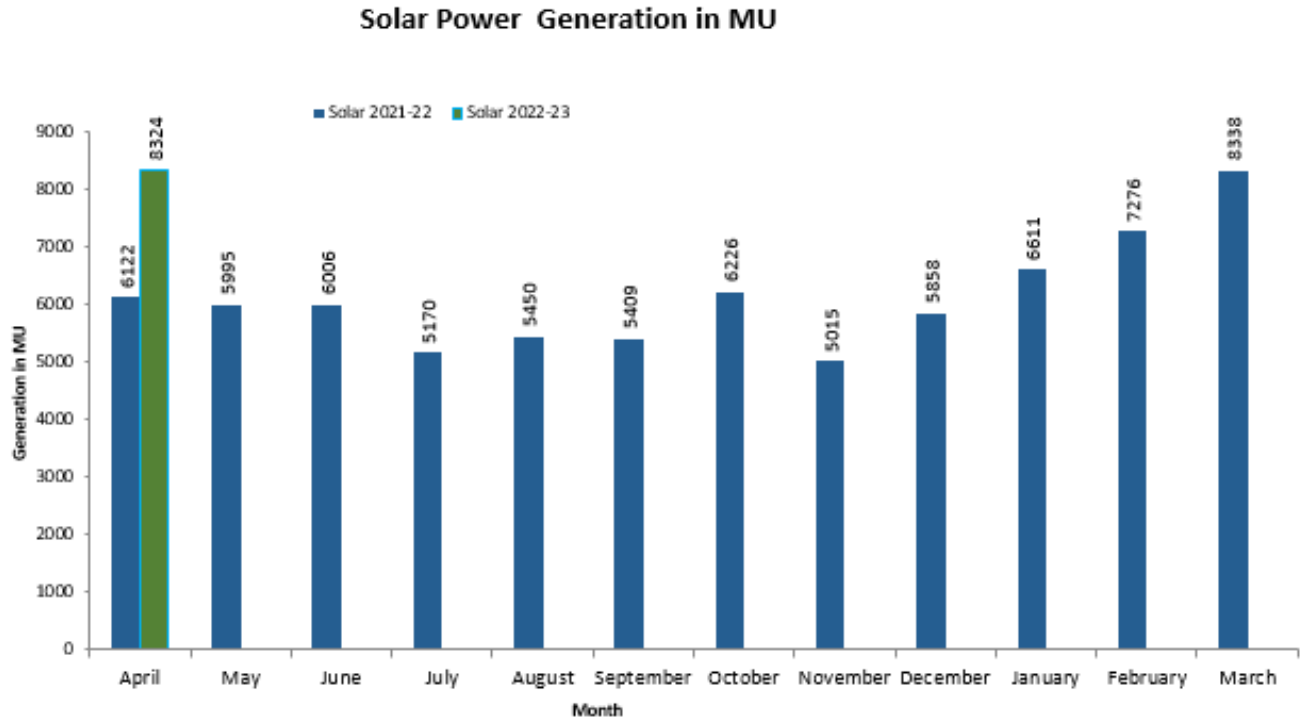


Figure 12: Month Wise Solar Power Generation for the year 2021-22 and year 2022-23.

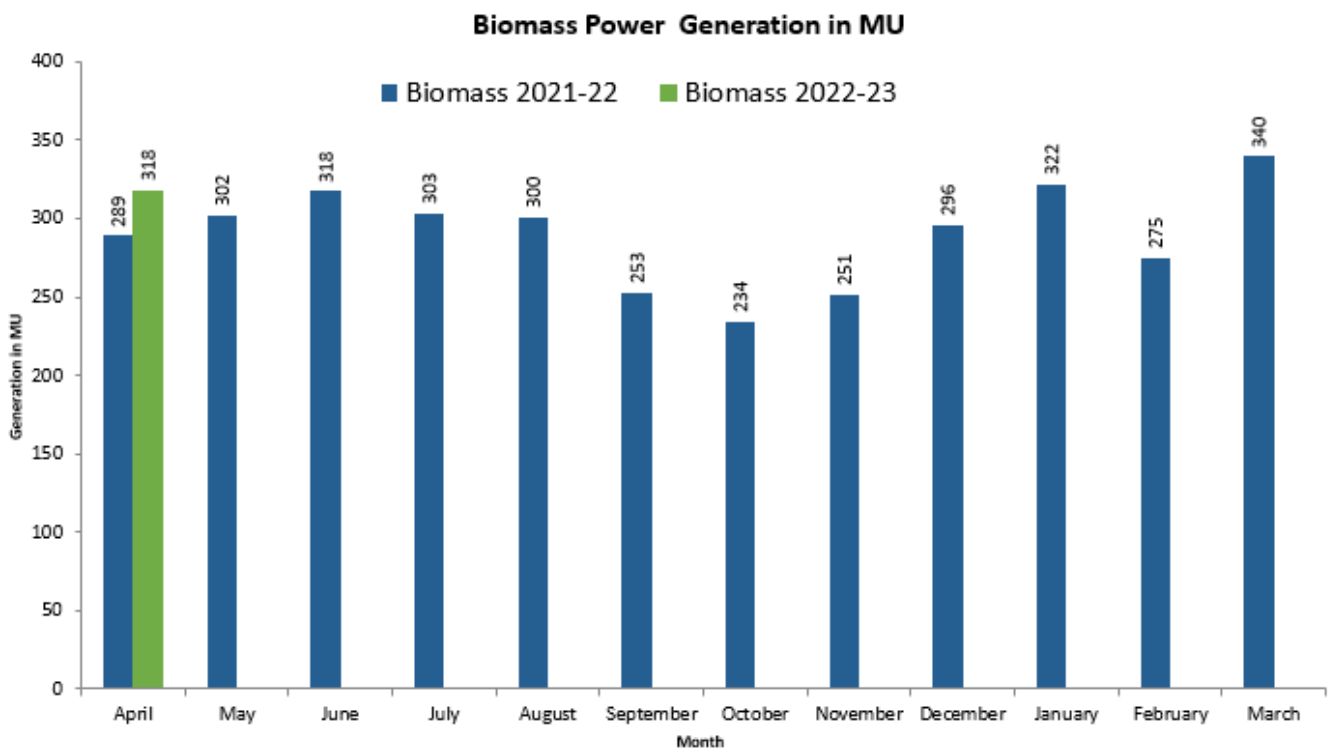


Figure 13: Month Wise Biomass Power Generation for the year 2021-22 and year 2022-23.

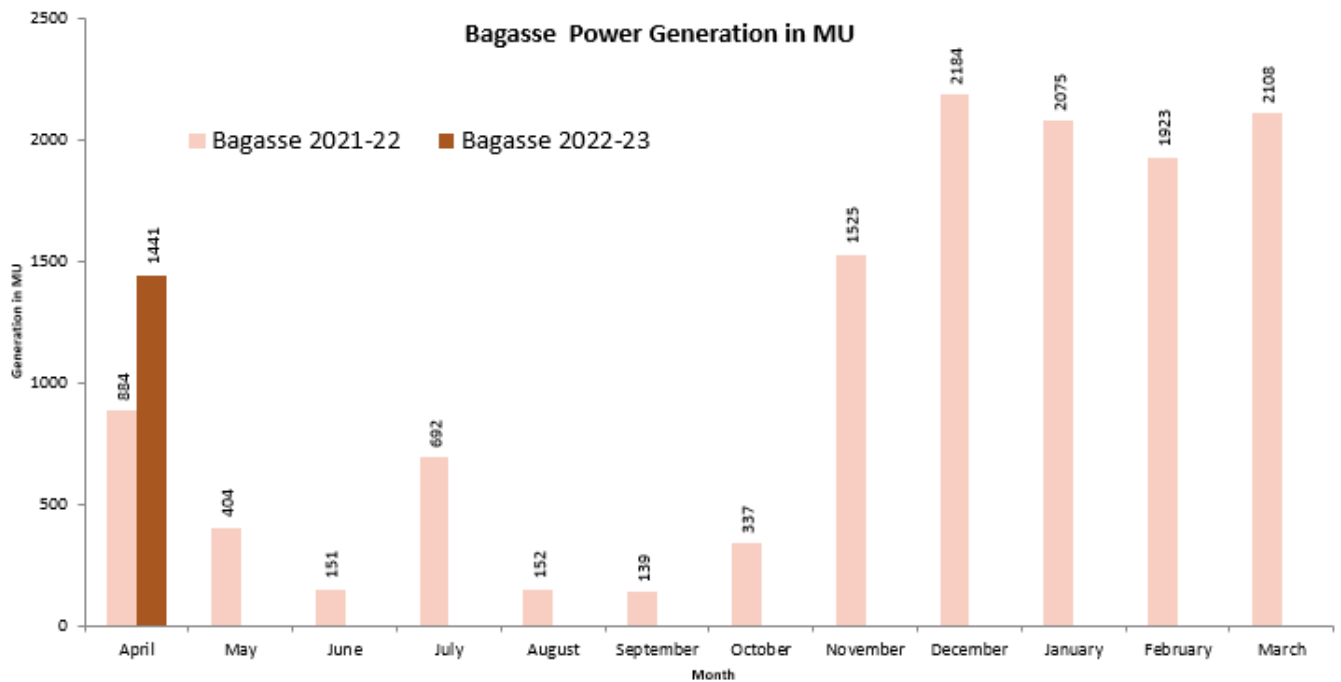


Figure 14: Month Wise Bagasse Power Generation for the year 2021-22 and year 2022-23.

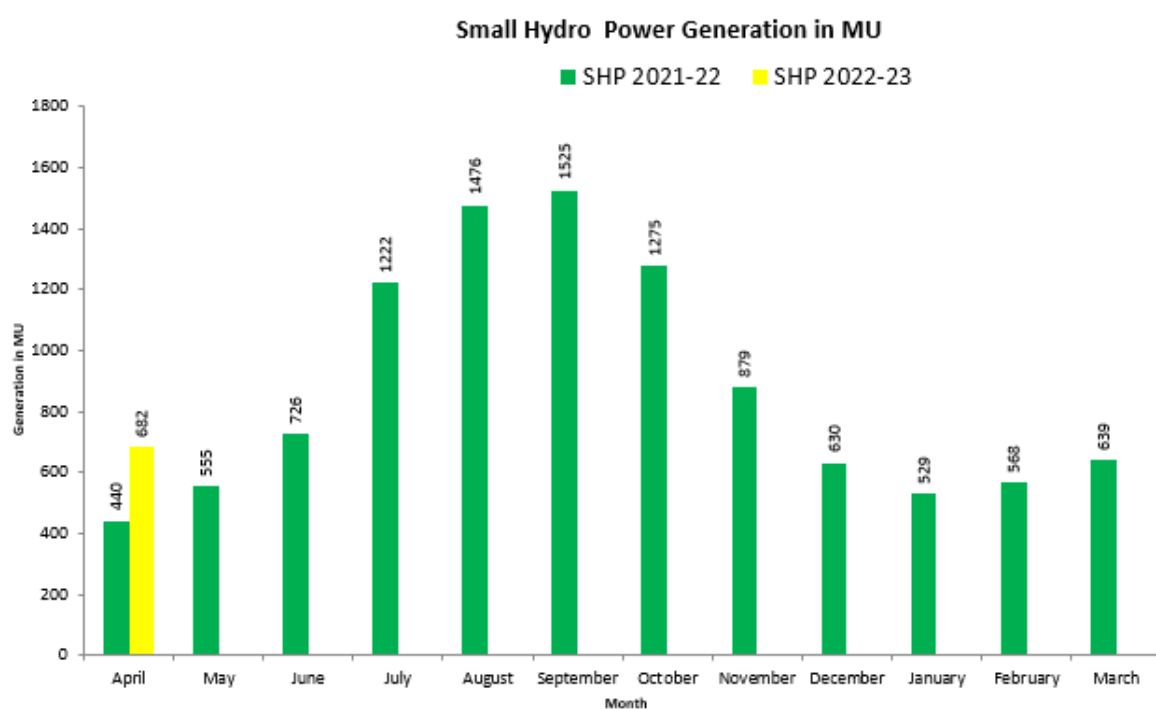


Figure 15: Month Wise Small Hydro Power Generation for the year 2021-22 and year 2022-23.

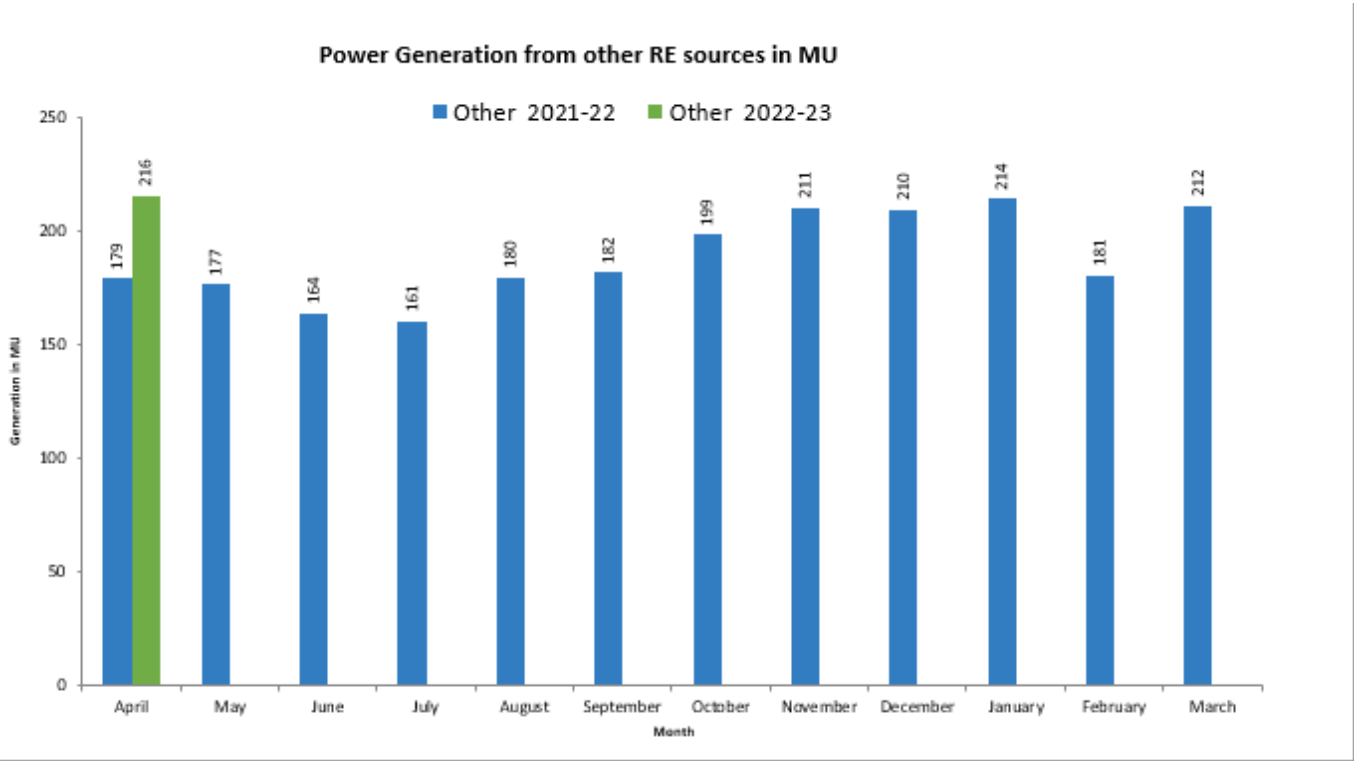


Figure 16: Month Wise Other RE (Waste Heat etc) Power for the year 2021-22 and year 2022-23.

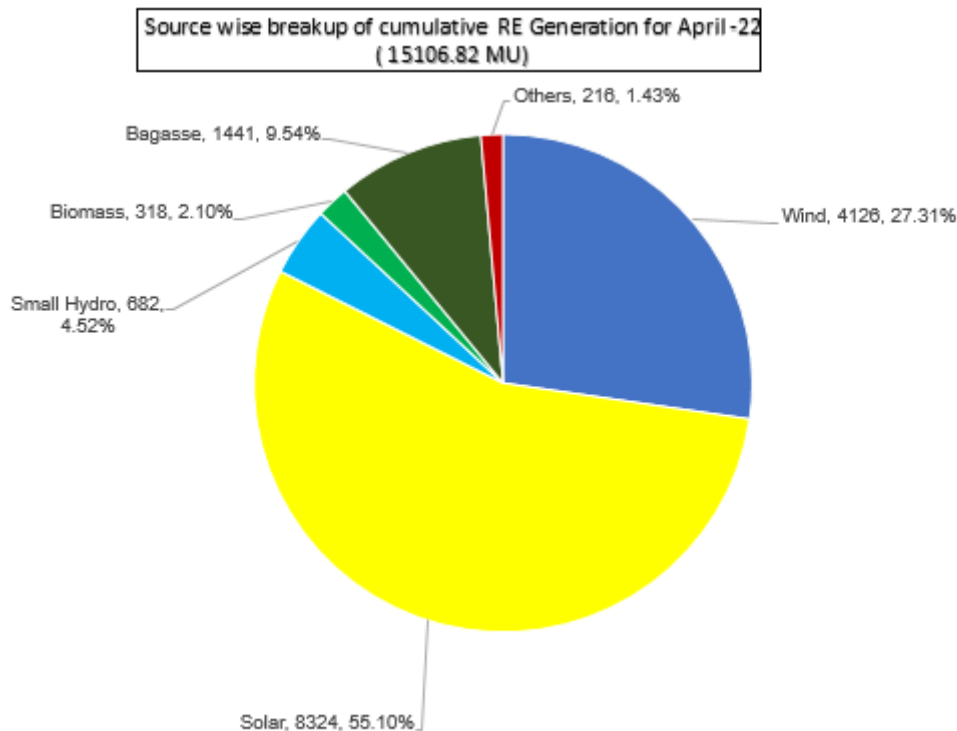


Figure 17: Source wise breakup of Cumulative RE Generation for the year 2022-23.

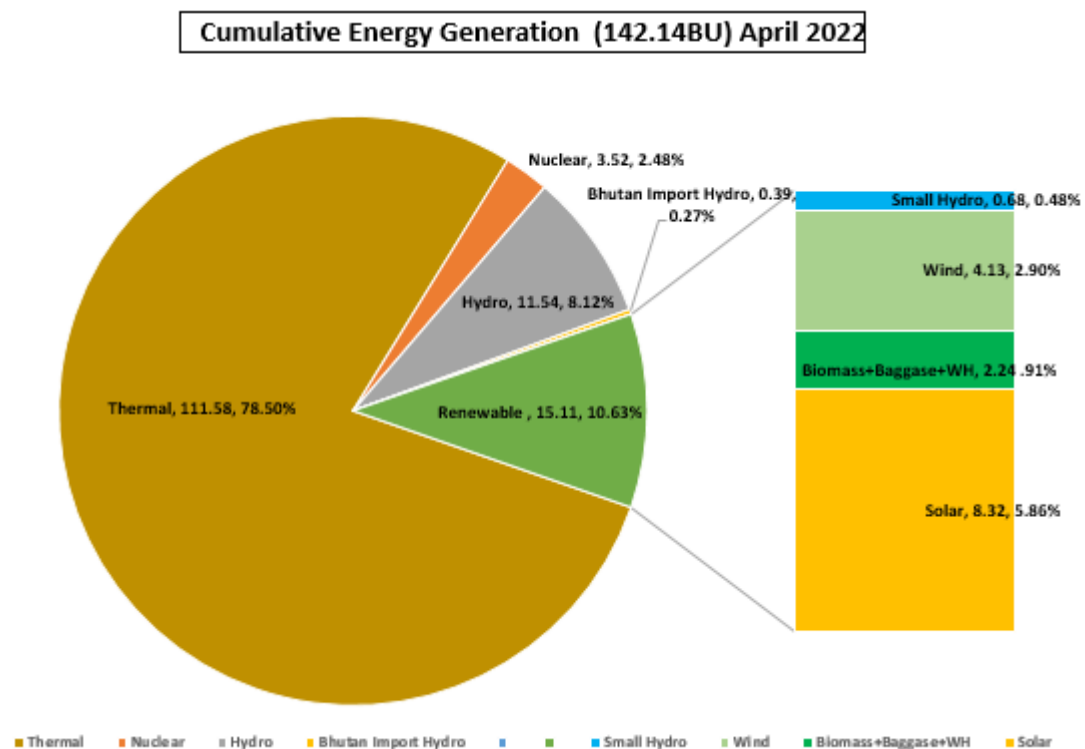


Figure 18 Cumulative Total Energy Generation in India and Share of RE for the year 2022-23.

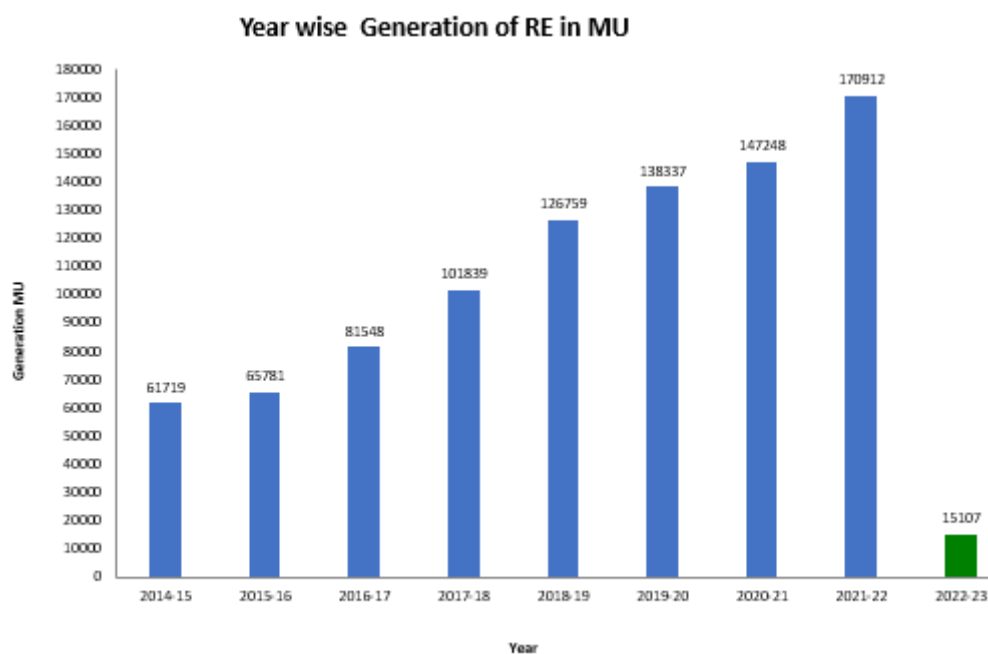


Figure 19 Year Wise RE Generation

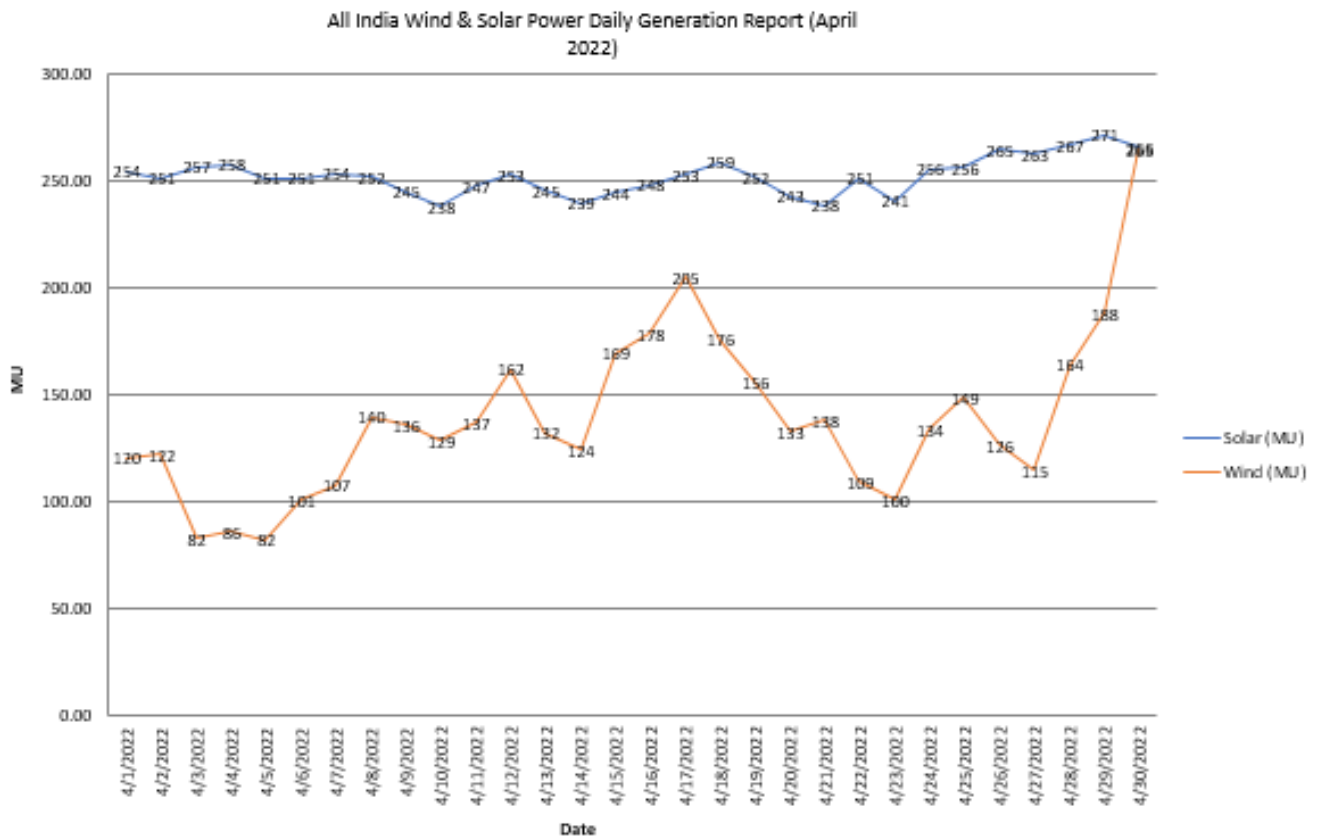


Figure 20: Daily solar and wind power generation trend in the month of April -22

Summary of All India Total Renewable Energy Generation

Source	Installed Capacity (MW) (As on 30.04.2022)	RE Generation (MU) April'2022	RE Generation (MU) April '2021	% of same period Last Year
पवन/Wind	40528.08	4126.22	3734.38	110.49
सौर/Solar	55337.66	8323.92	6122.18	135.96
बायोमास/Biomass	10205.61	317.66	288.92	109.95
बगास/Bagasse		1441.05	884.08	163.00
लघु जल विद्युत्/Small Hydro	4850.90	682.40	440.02	155.08
अन्य/Others	476.75	215.57	179.35	120.19
कुल/Total	111399.00	15106.82	11648.93	129.68

Table 5 All India Summary of Renewable Energy Generation

Table 6: Renewable Energy Generation by ISGS Stations

Station	State/ Region	Sector (Central/State /Private)	Owner	Type	Generation (MU)
Unchahar Solar	Uttar Pradesh	Central	NTPC	Solar	1.24
Dadri Solar	Uttar Pradesh	Central	NTPC	Solar	0.61
Singrauli Solar	Uttar Pradesh	Central	NTPC	Solar	1.61
Auraiya	Uttar Pradesh	Central	NTPC	Solar	3.14
Eden Renewable Cite Private Limited	Rajasthan	Private	IPP	Solar	72.24
Clean Solar Power (Bhadla) Pvt Ltd	Rajasthan	Private	IPP	Solar	60.88
Azure Power Forty Three Private Ltd	Rajasthan	Private	IPP	Solar	135.65
Adani SE4PL(Kilaj Solar)	Rajasthan	Private	IPP	Solar	11.74
Tata Power Renewable Energy Ltd	Rajasthan	Private	IPP	Solar	67.60
Mahoba Solar (Up) Private Ltd(Adani RERJL)	Rajasthan	Private	IPP	Solar	45.41
Acme Heerghar Powertech Pvt Ltd	Rajasthan	Private	IPP	Solar	9.16
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	IPP	Solar	54.08
Azure Power India Pvt Ltd	Rajasthan	Private	IPP	Solar	41.29
Azure Power Maple	Rajasthan	Private	IPP	Solar	10.97
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	IPP	Solar	12.23
Azure Power Forty One Private Limited	Rajasthan	Central	IPP	Solar	52.99
Mahindra Renewable Private Limited	Rajasthan	Central	IPP	Solar	57.98
SB Energy Four Pvt Ltd	Rajasthan	Central	IPP	Solar	35.87
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	IPP	Solar	56.44

Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Private	IPP	Solar	94.88
Renew Solar Power Pvt Ltd	Rajasthan	Private	IPP	Solar	11.59
SB Energy Six Private Ltd.	Rajasthan	Central	IPP	Solar	69.34
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	IPP	Solar	29.63
Azure Power Thirty Four Private Ltd	Rajasthan	Central	IPP	Solar	30.29
Renew Sun Waves Private Limited	Rajasthan	Central	IPP	Solar	71.46
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Central	IPP	Solar	193.01
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Central	IPP	Solar	87.28
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Central	IPP	Solar	54.28
Avaada RJHN	Rajasthan	Central	IPP	Solar	30.39
Avaada Sunce	Rajasthan	Central	IPP	Solar	52.55
Avaada Sustainable	Rajasthan	Central	IPP	Solar	33.74
Ayana Renewable One	Rajasthan	Central	IPP	Solar	66.69
Nindan Solar Fatehgar	Rajasthan	Central	IPP	Solar	47.22
Renew Jharkhand	Rajasthan	Central	IPP	Solar	63.37
Renew Solar Urja	Rajasthan	Central	IPP	Solar	63.32
Renew Surya Ravi	Rajasthan	Central	IPP	Solar	32.67
Thar Suryal	Rajasthan	Central	IPP	Solar	11.28
Renew Sun Bright	Rajasthan	Central	IPP	Solar	70.34
Northern Region					1844.46
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	IPP	Solar	47.84
Acme Solar (Ramnagar)	Madhya Pradesh	Private	IPP	Solar	49.91
Mahindra Solar (Badwar)	Madhya Pradesh	Private	IPP	Solar	51.53
ESPL RSP Solar	Gujarat	Private	IPP	Solar	38.01
TPREL RSP Solar	Gujarat	Private	IPP	Solar	18.66

GIPCL RSP Solar	Gujarat	Private	IPP	Solar	18.93
GSECL	Gujarat	Private	IPP	Solar	6.60
Renew Solar (Bhuvad)	Gujarat	Private	IPP	Solar	57.80
Alfnar Wind	Gujarat	Private	IPP	Wind	94.73
Adani Green Energy Mp Ltd(Dayapar)	Gujarat	Private	IPP	Wind	161.09
Giwel-II Wind (Vadva)	Gujarat	Private	IPP	Wind	62.51
Giwel-III Wind (Naranpar)	Gujarat	Private	IPP	Wind	73.1
IWISL Wind (Dayapar)	Gujarat	Private	IPP	Wind	58.26
Ostro Wind (Kutch)	Gujarat	Private	IPP	Wind	79.00
Renew Ap2 Wind(Ghadsisa)	Gujarat	Private	IPP	Wind	80.13
Avikiran Solar India Private Limited (ASIPL)	Gujarat	Private	IPP	Wind	40.80
Western Region					938.90
Beetam(Tuticorin)	Tamil Nadu	Private	IPP	Wind	14.30
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	IPP	Wind	18.02
Hiritur Ostro	Tamil Nadu	Private	IPP	Wind	16.12
Mytra	Tamil Nadu	Private	IPP	Wind	10.40
Orange	Tamil Nadu	Private	IPP	Wind	13.63
Green Infra	Tamil Nadu	Private	IPP	Wind	18.50
Rstps Floating Solar_act	Andhra Pradesh	Private	IPP	Solar	6.50
simhadri Floating Solar_act	Andhra Pradesh	Private	IPP	Solar	2.03
Biwadi	Andhra Pradesh	Private	IPP	Solar	10.34
Hisar	Andhra Pradesh	Private	IPP	Solar	10.26
Karnal	Andhra Pradesh	Private	IPP	Solar	10.22
Ayana	Andhra Pradesh	Private	IPP	Solar	55.00
Azure	Andhra Pradesh	Private	IPP	Solar	8.30
FRV2	Andhra Pradesh	Private	IPP	Solar	10.00
FRV	Andhra Pradesh	Private	IPP	Solar	9.81

NTPC	Andhra Pradesh	Private	IPP	Solar	34.53
SBG	Andhra Pradesh	Private	IPP	Solar	55.76
Sprng Agnitra	Andhra Pradesh	Private	IPP	Solar	50.02
Tata	Andhra Pradesh	Private	IPP	Solar	17.98
Adyah10	Karnataka	Private	IPP	Solar	62.28
Adyah13	Karnataka	Private	IPP	Solar	
Adyah1	Karnataka	Private	IPP	Solar	
Adyah2	Karnataka	Private	IPP	Solar	
Adyah3	Karnataka	Private	IPP	Solar	
Adyah6	Karnataka	Private	IPP	Solar	
Amplus	Karnataka	Private	IPP	Solar	9.83
Avaada	Karnataka	Private	IPP	Solar	29.35
Avaada Solarise	Karnataka	Private	IPP	Solar	29.47
Azure Power	Karnataka	Private	IPP	Solar	21.48
Fortum Finsurya	Karnataka	Private	IPP	Solar	17.13
Fortum	Karnataka	Private	IPP	Solar	51.02
Kredl	Karnataka	Private	IPP	Solar	9.14
Parampujya	Karnataka	Private	IPP	Solar	28.23
Renew	Karnataka	Private	IPP	Solar	10.06
SBG	Karnataka	Private	IPP	Solar	42.80
Tata	Karnataka	Private	IPP	Solar	79.14
Yarrow	Karnataka	Private	IPP	Solar	9.45
Southern Region					771.10
All India Total					3554.46

Table 7 Renewable Energy Generation by CPSU Owned stations

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) April'2022	RE Generation (MU)* April 2021
NTPC					
NTPC Faridabad _Solar	Haryana	5.00	Solar	0.67	0.62
NTPC Bhadla	Rajasthan	260.00	Solar	39.39	36.76
NTPC Jetsar	Rajasthan	160.00	Solar	30.52	0.00
NTPC Fatehgarh	Rajasthan	199.68	Solar	48.06	0.00
NTPC Dadri _Solar	Uttar Pradesh	5.00	Solar	0.62	0.65
NTPC Unchahar _Solar	Uttar Pradesh	10.00	Solar	1.25	1.35
NTPC Singrauli _Solar	Uttar Pradesh	15.00	Solar	1.70	1.88
NTPC Auraiya	Uttar Pradesh	20.00	Solar	3.18	3.19
NTPC Singrauli _SH	Uttar Pradesh	8.00	Small Hydro	3.15	3.02
NTPC Rojmal	Gujarat	50.00	Wind	273.87	7.96
NTPC Rajgarh _Solar	Madhya Pradesh	50.00	Solar	7.37	7.42
NTPC Mandsaur	Madhya Pradesh	250.00	Solar	37.57	37.47
NTPC Anantapuram	Andhra Pradesh	250.00	Solar	35.47	35.60
NTPC Ramagundam	Telangana	90.00	Solar	7.75	1.23
NTPC Andaman Nicobar	Andaman Nicobar	5.00	Solar	0.60	0.49
NTPC Talchar _Solar	Orissa	10.00	Solar	1.20	1.29
NTPC Solar _Bilhaur	Uttar Pradesh	225.00	Solar	50.01	37.87
Simhadri Floating Project	Andhra Pradesh	25.00	Solar	4.95	0.00
Kayamkulam	Kerala	22.00	Solar	3.56	0.00
Total NTPC		1659.68		550.89	176.80
THDC					
THDC Patan Wind Power Project	Gujarat	50.00	Wind	6.94	6.38
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63.00	Wind	9.98	7.08
THDC Solar Kasaragod	Kerala	50.00	Solar	8.13	5.13
THDCIL's premises at Rishikesh	Uttar Pradesh	0.50	Solar	0.05	0.03
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24.00	Small Hydro	1.35	0.00
Total THDC		187.50		26.45	18.62
NHPC					
NHPC Wind Power Project	Rajasthan	50.00	Wind	6.27	6.30
NHPC Solar Power Project	Tamilnadu	50.00	Solar	8.48	8.54
Total NHPC		100.00		14.75	14.84
ONGC					

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) April'2022	RE Generation (MU)* April 2021
ONGC Wind, Bhuj	Gujarat	51.00	Wind	4.73	3.70
ONGC Wind, Jaisalmer	Rajasthan	102.00	Wind	10.40	10.01
ONGC Solar, Goa	Goa	1.00	Solar	0.12	0.15
ONGC Solar, Hazira	Gujarat	10.00	Solar	1.57	1.47
ONGC Solar, Ankleshwar	Gujarat	5.00	Solar	0.87	0.72
ONGC Solar, Rajahmundry	Andhra Pradesh	1.00	Solar	0.09	0.12
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.12	0.12
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.71	0.20
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.59	0.52
ONGC Solar, Assam (RTS)	Assam	1.65	Solar	0.18	0.17
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.24	Solar	0.16	0.15
ONGC Solar, Agartala asset	Tripura	0.25	Solar	0.02	0.03
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.00	0.01
ONGC Solar, DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00
Total ONGC		184.05		19.56	17.36
SJVN Limited					
Khirvire Wind Power	Maharashtra	47.60	Wind	3.75	2.10
Sadla Wind Power	Gujarat	50.00	Solar	10.15	6.10
Charanka Solar Power	Gujarat	5.60	Solar	0.84	0.93
Wadhal Solar Power Project	Himachal Pradesh	1.00	Solar	0.16	0.00
Total SJVN		104.20		14.89	9.13
Oil India Ltd					
Oil India Ltd	Rajasthan	14.00	Solar	2.22	2.19
Oil India Ltd	Rajasthan	67.60	Wind	5.62	4.26
Oil India Ltd	Gujarat	43.30	Wind	8.28	5.61
Oil India Ltd	Madhya Pradesh	63.20	Wind	7.07	10.69
Total Oil India Ltd		188.10		23.20	22.76
NEEPCO					
NEEPCO	Tripura	5.00	Solar	0.59	0.49

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) April'2022	RE Generation (MU)* April 2021
DVC					
DVC	West Bangal	0.08	Solar	0.01	0.01
DVC	Jharkhand	4.00	Small Hydro	0.00	0.00
Total DVC		4.08		0.01	0.01
All India Total Total		2431.61		650.34	260.01

Renewable Energy Curtailment during April 2022

(As Available on SLDCs web site or informed furnished by respective SLDC)

Table 8 RE Curtailment Data as available from SLDCs

Renewable Energy Curtailment for the month of April -2022			
S.No.	States	Curtailment (MU)	Source
1.	Andhra Pradesh		APTRANSCO Website- http://apps.aptransco.co.in/sldcreports/forms/BackDownWind.aspx
2.	Telangana		Information furnished by SLDC, TSTransco through email.
3.	Tamil Nadu	-	No information is available on website.
4.	Karnataka		SLDC, KPTCL Website- http://kptclsldc.com/recurtail.aspx
5.	Maharashtra	-	No information is available on website.
6.	Gujarat	-	No information is available on website.
7.	Rajasthan	—	SLDC, RRVPNL Website- https://sldc.rajasthan.gov.in/mis/monthlyReDsmReports
8.	Madhya Pradesh	—	SLDC, MP Power Transmission Corporation Ltd.- http://223.31.122.117/mpslhc/RE_DATA

Table 5 Deviation Data for ISGS

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of April 2022				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
ACME HEERGARH POWER	Solar	10.60	9.16	-1.44
ACSEPL_BHADLA	Solar	51.42	54.08	2.66
ADANI HYBRID	Solar	90.39	94.88	4.49
ADANI HYBRID FOUR	Solar	198.57	193.01	-5.56
ADANI HYBRID THREE	Solar	85.87	87.28	1.41
ADANI HYBRID TWO	Solar	53.19	54.28	1.09
Adani RERJL	Solar	42.20	45.41	3.21
ADANI SE JODHPUR 2 L	Solar	13.32	12.23	-1.09
Adani SE4PL	Solar	11.01	11.74	0.73
AURAIYA SOLAR	Solar	3.25	3.14	-0.11
AVAADA RJHN	Solar	28.47	30.39	1.92
AVAADA SUNCE	Solar	49.13	52.55	3.42
AVAADA SUSTAINABLE	Solar	32.33	33.74	1.41
AYANA RENEWABLE ONE	Solar	66.52	66.69	0.17
AZURE FORTY ONE	Solar	51.52	52.99	1.47
AZURE FORTY THREE	Solar	122.02	135.65	13.63
AZURE POWER MAPLE	Solar	11.64	10.97	-0.67
AZURE POWER THIRTY F	Solar	30.27	30.29	0.02
AZURE SOLAR	Solar	41.92	41.29	-0.63
CLEAN SOLAR POWER	Solar	27.70	27.02	-0.68
CSP_BHADLA	Solar	54.90	60.88	5.98
DADRI GPP	Gas	45.93	43.26	-2.68
DADRI SOLAR	Solar	0.70	0.61	-0.09
EDEN RENEWABLE	Solar	70.15	72.24	2.09
NIDAN SOLAR FATEHGAR	Solar	43.70	47.22	3.52
RENEW JHARKHAND	Solar	62.61	63.37	0.76
RENEW SOLAR	Solar	11.62	11.59	-0.03
RENEW SOLAR URJA	Solar	62.24	63.32	1.08
RENEW SUN BRIGHT	Solar	69.73	70.34	0.61
RENEW SUN WAVES	Solar	69.33	71.46	2.13
RENEW SURYA RAVI	Solar	33.66	32.67	-0.99
RSPPL_BKN	Solar	56.69	56.44	-0.25
SB ENERGY	Solar	40.22	35.87	-4.35
SB ENERGY SIX	Solar	73.17	69.34	-3.83
SBSR POWER CLEANTECH	Solar	28.36	29.63	1.27
SINGRAULI SOLAR	Solar	2.21	1.61	-0.60

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of April 2022

Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
TATA SOLAR	Solar	70.01	67.60	-2.41
THAR SURYA 1	Solar	11.39	11.28	-0.11
UNCHAHAR SOLAR	Solar	1.45	1.24	-0.21
WESTERN REGION	Solar			
Renew Solar (Bhuvad)	Solar	57.18	57.80	0.62
Ostro Wind (Kutch)	Wind	77.74	79.00	1.26
Mahindra Solar (Badwar)	Solar	47.91	51.53	3.62
Arinsun Solar (Barsaitadesh)	Solar	44.51	47.84	3.33
ACME Solar (Ramnagar)	Solar	47.59	49.91	2.32
GIWEL - III Wind (Naranpar)	Wind	76.13	73.10	-3.03
GIWEL - II Wind (Vadva)	Wind	64.93	62.51	-2.42
IWISL Wind (Dayapar)	Wind	48.10	58.26	10.16
Adani Green Energy	Wind	154.80	161.09	6.29
AlfanarWind_SECI-III	Wind	96.50	94.73	-1.77
Renew Wind Energy AP2 SECI-III	Wind	79.95	80.13	0.18
Avikiran Solar India Private Limited (ASIPL)	Solar	42.31	40.80	-1.51
SOUTHERN REGION				
BEETAM	Wind	14.59	14.30	-0.29
GIREL	Wind	25.11	18.50	-6.61
MYTRAH	Wind	17.83	10.40	-7.43
ORANGE	Wind	19.90	13.63	-6.27
SPRNG RENEWABLE ENERGY PVT LTD(PUGALUR)	Wind	18.75	18.02	-0.73

+ve Deviation Means Actual generation is greater than Schedule Generation.

Table 6 Fossil and Non-Fossil Generation

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of April 2022							
State/UT	Fossil		Non Fossil			Grand Total	Non Fossil as % of Total Generation
	Thermal	Gas	Nuclear	Hydro (Large)	Renewable Energy		
Chandigarh	0.00	0.00	0.00	0.00	2.81	2.81	100.00
Delhi	0.00	556.05	0.00	0.00	41.85	597.90	7.00
Haryana	2766.51	0.20	0.00	0.00	140.41	2907.12	4.83
HP	0.00	0.00	0.00	2447.17	206.12	2653.29	100.00
J & K	0.00	0.00	0.00	1697.50	43.23	1740.73	100.00
Ladakh	0.00	0.00	0.00	18.24	0.00	18.24	100.00
Punjab	2757.35	0.00	0.00	229.98	307.13	3294.46	16.30
Rajasthan	4809.97	110.10	659.76	10.82	3090.08	8680.73	43.32
Uttar Pradesh	14025.05	120.80	247.36	68.84	754.20	15216.25	7.03
Uttarakhand	0.00	0.00	0.00	1046.57	77.81	1124.38	100.00
Northern Region Total	24358.88	787.15	907.12	5519.12	4663.64	36235.91	30.60
Chhattisgarh	12258.34	0.00	0.00	38.48	174.08	12470.90	1.70
Gujarat	6296.26	259.48	320.92	174.04	2505.57	9556.27	31.40
Madhya Pradesh	12562.93	0.00	0.00	383.08	936.83	13882.84	9.51
Maharashtra	11916.46	389.47	780.55	839.75	1353.25	15279.48	19.46
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	4.16	4.16	100.00
Daman & Diu	0.00	0.00	0.00	0.00	4.16	4.16	100.00
Goa	0.00	0.00	0.00	0.00	0.84	0.84	100.00
Western Region Total	43033.99	648.95	1101.47	1435.35	4978.91	51198.67	14.68
Andhra Pradesh	5851.79	125.04	0.00	173.50	1222.09	7372.42	18.93
Telangana	4785.84	0.00	0.00	69.90	649.62	5505.36	13.07
Karnataka	3903.98	0.00	647.44	1391.34	2015.44	7958.20	50.94
Kerala	0.12	0.00	0.00	775.55	124.97	900.64	99.99
Tamil Nadu	6118.57	214.73	865.16	241.15	1155.75	8595.36	26.32
Lakshadweep	0.00	0.00	0.00	0.00	0.01	0.01	100.00
Puducherry	0.00	18.81	0.00	0.00	1.02	19.83	5.14
Southern Region Total	20660.30	358.58	1512.60	2651.44	5168.91	30351.83	30.75
Andaman Nicobar	11.46	0.00	0.00	0.00	3.42	14.88	22.98
Bihar	4813.20	0.00	0.00	0.00	15.85	4829.05	0.33
Jharkhand	2664.30	0.00	0.00	7.17	1.86	2673.33	0.34
Orissa	5327.39	0.00	0.00	484.40	84.63	5896.42	9.65
Sikkim	0.00	0.00	0.00	872.89	1.03	873.92	100.00
West Bengal	7557.55	0.00	0.00	240.05	163.30	7960.90	5.07
Eastern Region Total	20373.90	0.00	0.00	1604.51	270.10	22248.51	8.43
Arunachal Pradesh	0.00	0.00	0.00	231.56	4.61	236.17	100.00
Assam	495.31	280.64	0.00	12.54	11.69	800.18	3.03

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of April 2022

State/UT	Fossil		Non Fossil				Non Fossil
Manipur	0.00	0.00	0.00	11.52	0.66	12.18	100.00
Meghalaya	0.00	0.00	0.00	69.43	4.26	73.69	100.00
Mizoram	0.00	0.00	0.00	3.45	0.33	3.78	100.00
Nagaland	0.00	0.00	0.00	2.04	3.13	5.17	100.00
Tripura	0.00	585.13	0.00	0.00	0.59	585.72	0.10
North Eastern Region Total	495.31	865.77	0.00	330.54	25.27	1716.89	20.72
All India Total	108922.38	2660.45	3521.19	11540.96	15106.82	141751.80	21.28

Table 7 Renewable Energy as % of Total Electricity Generated

RE Generation as proportion of Total Electricity generation(MU) -Physical location wise. (State Wise) for the Month of April 2022

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	0.99	0.99	100.00
Delhi	0.00	351.56	0.00	0.00	38.64	390.20	9.90
Haryana	2405.59	0.00	0.00	0.00	140.41	2546.00	5.51
HP	0.00	0.00	0.00	1952.20	112.56	2064.76	100.00
J & K	0.00	0.00	0.00	1367.33	40.27	1407.60	100.00
Ladakh	0.00	0.00	0.00	17.73	0.00	17.73	100.00
Punjab	2602.58	0.00	0.00	305.33	294.89	3202.80	18.74
Rajasthan	5361.11	71.80	772.95	87.11	2941.35	9234.32	41.17
Uttar Pradesh	11839.03	57.72	317.26	106.64	928.22	13248.87	10.21
Uttarakhand	0.00	0.00	0.00	948.96	77.81	1026.77	100.00
Northern Region Total	22208.31	481.08	1090.21	4785.30	4575.13	33140.03	31.53
Chhattisgarh	13649.50	0.00	0.00	31.32	193.48	13874.30	1.62
Gujarat	4780.56	174.54	335.88	163.52	2160.22	7614.72	34.93
Madhya Pradesh	12567.72	0.00	0.00	418.47	773.06	13759.25	8.66
Maharashtra	11563.75	528.71	813.39	817.33	1595.33	15318.51	21.06
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	5.79	5.79	100.00
Daman & Diu	0.00	0.00	0.00	0.00	4.40	4.40	100.00
Goa	0.00	0.00	0.00	0.00	2.78	2.78	100.00
Western Region Total	42561.53	703.25	1149.27	1430.64	4735.05	50579.74	14.46
Andhra Pradesh	5601.11	126.28	0.00	194.71	1231.39	7153.49	19.94
Telangana	5109.57	0.00	0.00	118.67	742.00	5970.24	14.42
Karnataka	3944.38	0.00	672.23	1567.39	2382.79	8566.79	53.96
Kerala	0.00	0.00	0.00	777.81	131.35	909.16	100.00
Tamil Nadu	5089.93	159.54	1494.86	363.43	1529.85	8637.61	39.23
Lakshadweep	0.00	0.00	0.00	0.00	0.01	0.01	100.00
Puducherry	0.00	19.54	0.00	0.00	1.02	20.56	4.96
Southern Region Total	19744.99	305.36	2167.09	3022.01	6018.41	31257.86	35.86
Andaman Nicobar	15.14	0.00	0.00	0.00	3.03	18.17	16.68
Bihar	4599.89	0.00	0.00	0.00	27.91	4627.80	0.60
Jharkhand	2591.00	0.00	0.00	13.72	2.04	2606.76	0.60
Orissa	5933.13	0.00	0.00	387.99	90.50	6411.62	7.46
Sikkim	0.00	0.00	0.00	470.13	1.03	471.16	100.00
West Bengal	8196.05	0.00	0.00	171.96	164.41	8532.42	3.94
Eastern Region Total	21335.21	0.00	0.00	1043.80	288.92	22667.93	5.88
Arunachal Pradesh	0.00	0.00	0.00	220.46	0.24	220.70	100.00
Assam	429.62	377.21	0.00	10.20	13.98	831.01	2.91
Manipur	0.00	0.00	0.00	20.45	0.68	21.13	100.00

RE Generation as proportion of Total Electricity generation(MU) -Physical location wise. (State Wise) for the Month of April 2022

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Meghalaya	0.00	0.00	0.00	33.19	3.77	36.96	100.00
Mizoram	0.00	0.00	0.00	14.58	3.10	17.68	100.00
Nagaland	0.00	0.00	0.00	3.17	3.22	6.39	100.00
Tripura	0.00	614.59	0.00	0.00	0.57	615.16	0.09
North Eastern Region Total	429.62	991.80	0.00	302.05	25.56	1749.03	18.73
All India Total	106279.66	2481.49	4406.57	10583.80	15643.06	139394.58	21.98

Table 8:- RE generation data (Source wise) for the month of April in the year 2022 & 2021														
State/UTs	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		RE Total 2022	RE Total 2021
	Apr,22	Apr ,21	Apr,22	Apr,21	Apr ,22	Apr 21	Apr,22	Apr ,21	Apr,22	Apr,21	Apr ,22	Apr,21	Apr ,22	Apr,21
उत्तरी क्षेत्र / Northern Region														
Chandigarh	0.00	0.00	2.81	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.81	1.71
Delhi	0.00	0.00	20.04	15.16	0.00	0.00	0.00	0.00	0.00	0.00	21.81	12.96	41.85	28.12
Haryana	0.00	0.00	63.04	39.72	29.70	13.25	20.96	12.78	22.16	12.80	4.55	0.00	140.41	78.55
Himachal Pradesh	0.00	0.00	6.57	3.93	0.00	0.00	0.00	0.00	199.55	86.76	0.00	0.00	206.12	90.69
J & K	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00	43.23	29.20	0.00	0.00	43.23	30.91
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	165.42	144.27	51.11	52.08	31.43	12.15	59.17	12.94	0.00	0.05	307.13	221.49
Rajasthan	467.46	460.61	2589.56	1031.09	32.96	34.94	0.00	0.00	0.10	0.02	0.00	0.00	3090.08	1526.66
Uttar Pradesh	0.00	0.00	332.97	267.46	8.15	8.42	397.29	387.21	7.89	5.72	7.90	0.00	754.20	668.81
Uttarakhand	0.00	0.00	27.65	24.63	0.00	0.00	20.71	20.26	29.45	26.78	0.00	0.00	77.81	71.67
उप-कुल / Sub Total	467.46	460.61	3208.06	1529.67	121.92	108.70	470.39	432.40	361.55	174.22	34.26	13.01	4663.64	2718.61
पश्चिमी क्षेत्र / Western Region														
Chhattisgarh	0.00	0.00	43.50	29.53	123.11	101.12	0.60	0.00	6.86	1.16	0.00	0.00	174.08	131.81
Gujarat	1644.49	1079.20	841.65	524.22	0.00	0.00	2.07	1.78	15.12	14.29	2.24	0.00	2505.57	1619.49
Madhya Pradesh	481.72	364.58	422.59	404.47	0.17	0.00	16.65	2.86	12.38	12.46	3.33	3.17	936.83	787.54
Maharashtra	387.44	424.19	317.19	284.61	28.97	26.73	542.69	331.84	76.89	89.26	0.07	0.02	1353.25	1156.65
Dadra and Nagar Haveli	0.00	0.00	3.36	0.65	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.16	0.65
Daman & Diu	0.00	0.00	3.36	3.59	0.81	0.48	0.00	0.00	0.00	0.00	0.00	0.00	4.16	4.08
Goa	0.00	0.00	0.42	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.84	0.15
उप-कुल / Sub Total	2513.64	1867.96	1632.07	1247.22	153.87	128.34	562.01	336.48	111.25	117.16	6.07	3.19	4978.91	3700.36
RE generation data (Source wise) for the month of April in the year 2022 & 2021														

State/UTs	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		RE Total 2022	RE Total 2021
	Apr,22	Apr ,21	Apr,22	Apr ,21	Apr,22	Apr ,21	Apr,22	Apr ,21	Apr,22	Apr ,21	Apr,22	Apr ,21	Apr,22	Apr ,21
दक्षिणी क्षेत्र / Southern Region														
Andhra Pradesh	361.40	362.88	786.31	740.65	7.74	8.41	29.77	8.84	17.10	20.18	19.77	8.10	1222.09	1149.06
Telangana	15.97	11.90	601.94	602.24	6.54	9.89	6.69	0.00	3.57	2.82	14.90	18.78	649.62	645.64
Karnataka	403.01	477.92	1229.97	1279.47	11.50	18.28	292.34	34.38	78.62	49.29	0.00	0.00	2015.44	1859.34
Kerala	4.36	6.89	56.10	41.42	0.00	0.00	2.43	3.90	62.09	40.98	0.00	0.00	124.97	93.19
Tamil Nadu	360.39	546.22	701.01	591.63	8.93	6.32	77.41	68.08	8.02	7.32	0.00	0.00	1155.75	1219.57
Lakshadweep	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
Puducherry	0.00	0.00	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.02
उप-कुल / Sub Total	1145.12	1405.81	3376.37	3256.46	34.70	42.91	408.64	115.20	169.40	120.59	34.67	26.89	5168.91	4967.84
पूर्वी क्षेत्र/ Eastern Region														
Andaman Nicobar	0.00	0.00	2.69	2.49	0.00	0.00	0.00	0.00	0.73	0.39	0.00	0.00	3.42	2.88
Bihar	0.00	0.00	15.85	11.55	0.00	2.14	0.00	0.00	0.00	0.00	0.00	0.00	15.85	13.69
Jharkhand	0.00	0.00	1.86	1.62	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	1.86	1.89
Orissa	0.00	0.00	61.61	56.47	7.18	6.84	0.00	0.00	15.84	11.82	0.00	0.00	84.63	75.12
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.00	0.00	1.03	1.03
West Bengal	0.00	0.00	10.35	10.16	0.00	0.00	0.00	0.00	12.39	3.59	140.57	136.26	163.30	150.01
उप-कुल / Sub Total	0.00	0.00	92.37	82.29	7.18	8.97	0.00	0.00	29.98	17.09	140.57	136.26	270.10	244.61
उत्तर-पूर्वी क्षेत्र / North-Eastern Region														
Arunachal Pradesh	0.00	0.00	4.19	0.15	0.00	0.00	0.00	0.00	0.42	0.05	0.00	0.00	4.61	0.20
Assam	0.00	0.00	9.28	5.19	0.00	0.00	0.00	0.00	2.41	2.28	0.00	0.00	11.69	7.47
Manipur	0.00	0.00	0.66	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.46
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.26	4.03	0.00	0.00	4.26	4.03
Mizoram	0.00	0.00	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.33	0.24
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	3.15	0.00	0.00	3.13	3.15

Tripura	0.00	0.00	0.59	0.52	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	0.59	1.96
उप-कुल / Sub Total	0.00	0.00	15.04	6.55	0.00	0.00	0.00	0.00	10.22	10.96	0.00	0.00	25.27	17.50
सम्पूर्ण भारत (कुल)/ All India Total	4126.22	3734.38	8323.92	6122.18	317.66	288.92	1441.05	884.08	682.40	440.02	215.57	179.35	15106.82	11648.93



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