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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

August 2022/अगस्त 2022

नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division

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

1. RE capacity addition during August 2022 was 1640.27 MW (Solar - 1328.92 MW and Wind - 311.25 MW).
2. RE generation during August 2022 has been increased by 07.98 % as compared to August 2021.
3. Solar Power generation during August 2022 as compared to August 2021 has increased (about 36.31% on All India basis) in all states except Madhya Pradesh.
4. Power generation through bagasse during August 2022 as compared to August 2021 has increased (about 32.65 % on All India basis) in all states except Telangana.

Summary of Installed capacity (IC) of the Month of August 22

Decreased by 08.9 % as compared to August 21.
Increased by 339.33% as compared to July22.

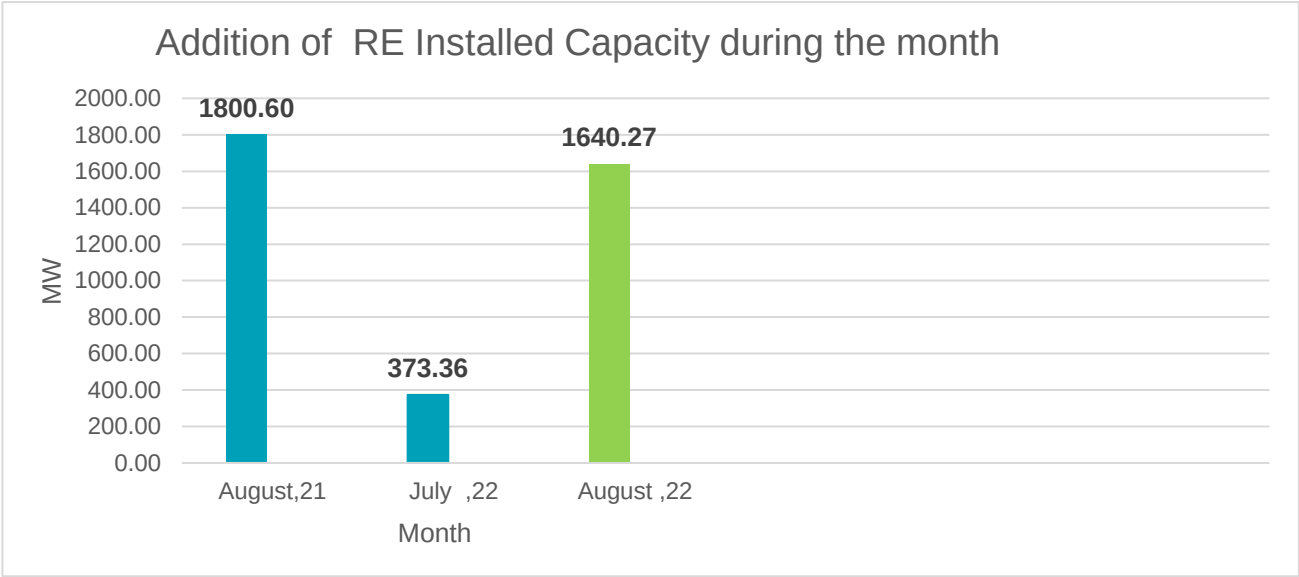


Figure 1: RE capacity added during the Month

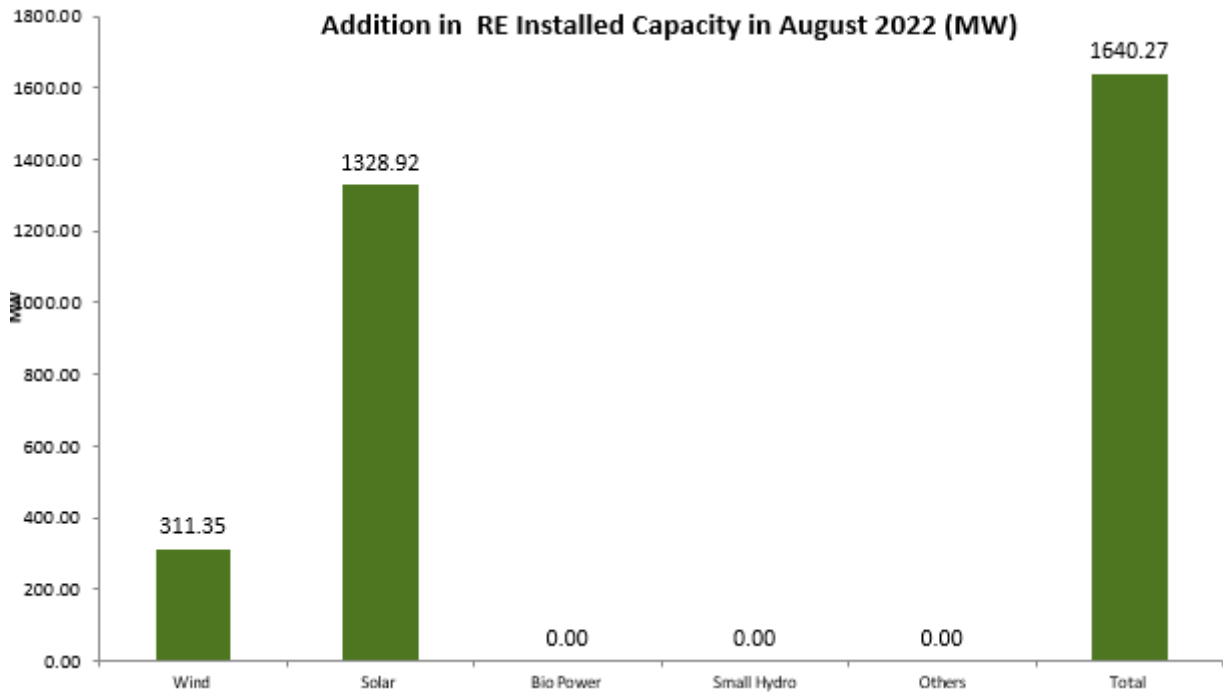


Figure 2: Source wise addition in RE Installed Capacity in August 22

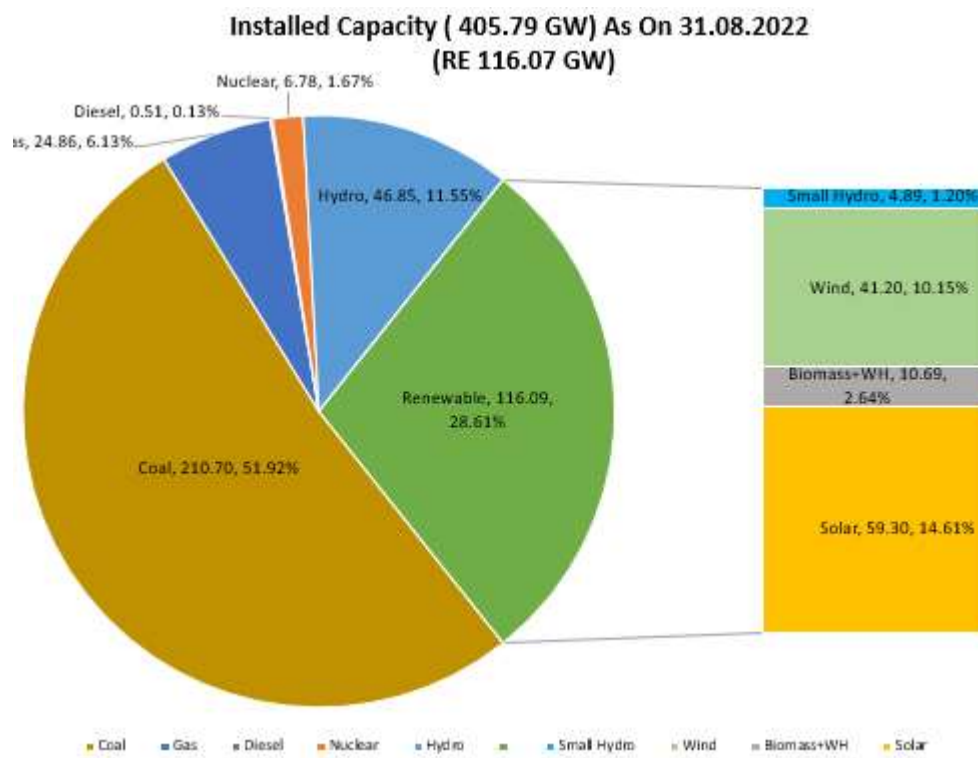


Figure 3: Installed Capacity in India as on 31.08.2022

Summary of Generation, Report for the Month of August 2022

Increased by 07.97% as compared to August 21.

Decreased by 04.62 % as compared to July 22.

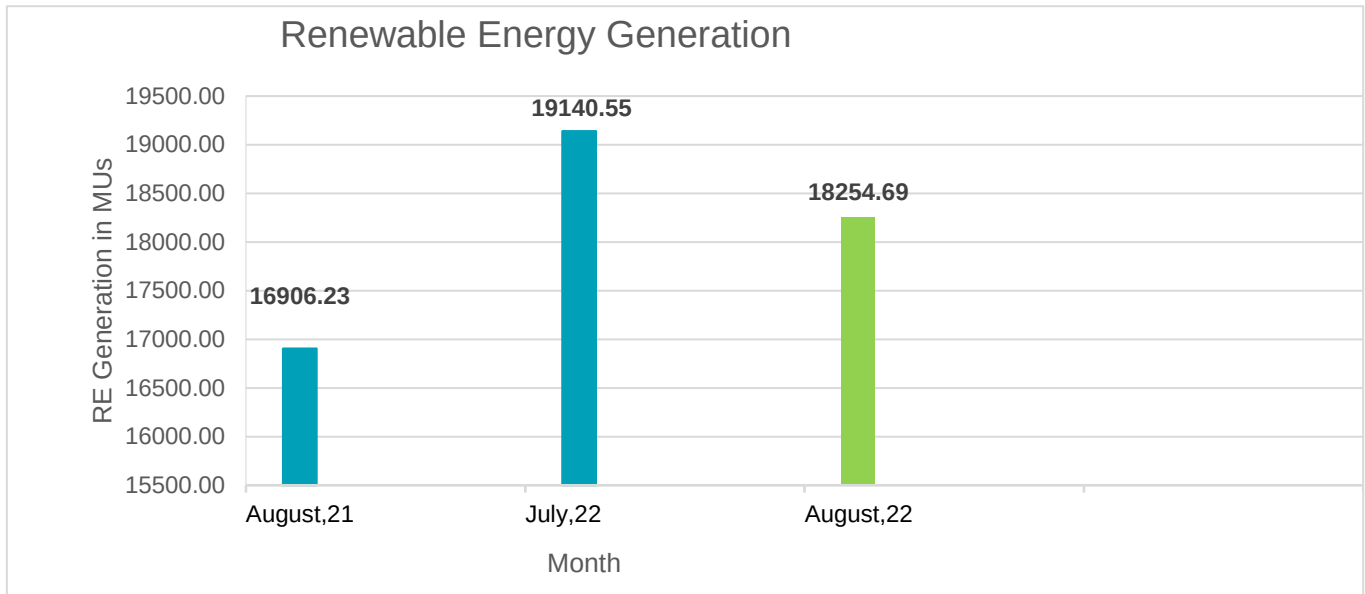


Figure 4: Renewable Energy Generation

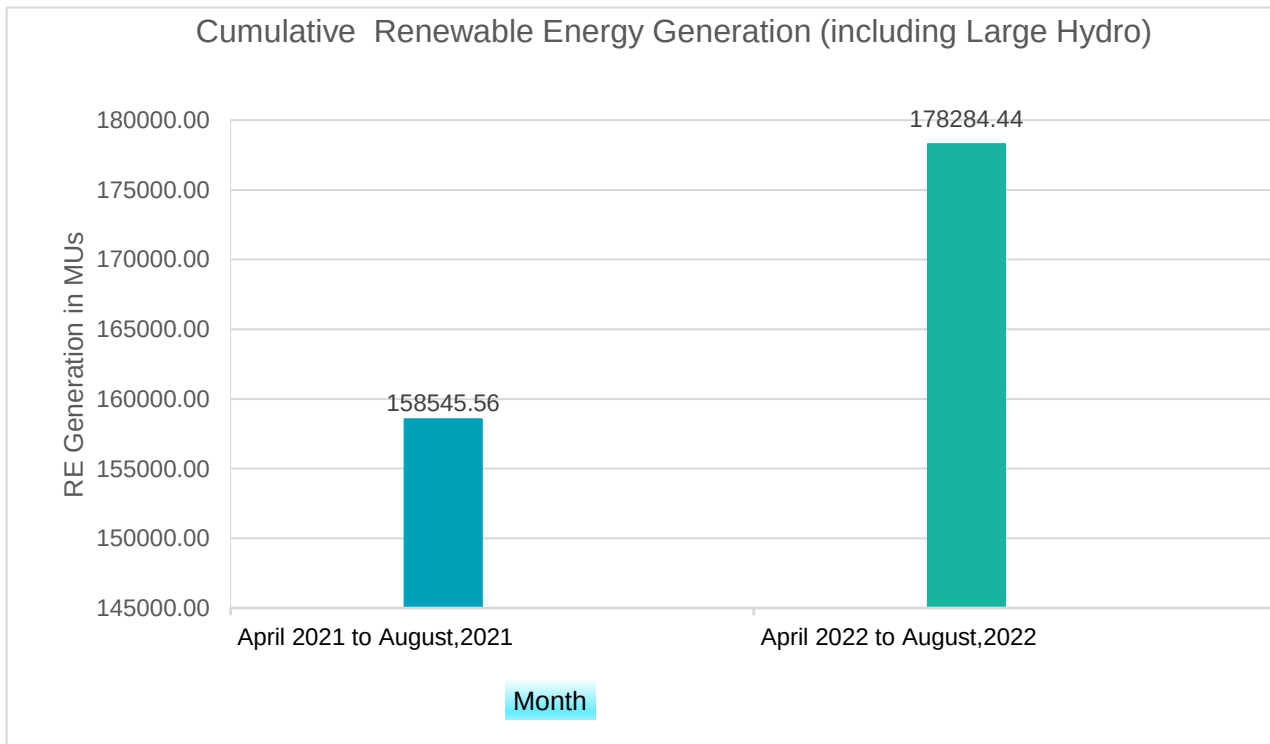


Figure 5: Cumulative Renewable Energy Generation (Including Large Hydro)

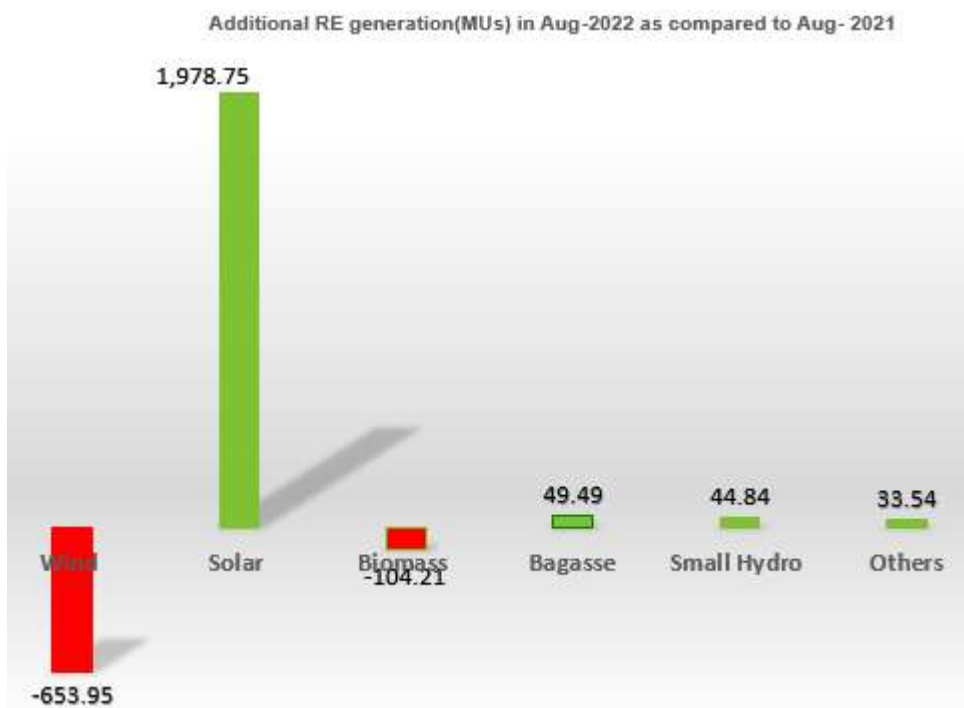


Figure 6: Additional RE Generation in July 22 as compared to August 21

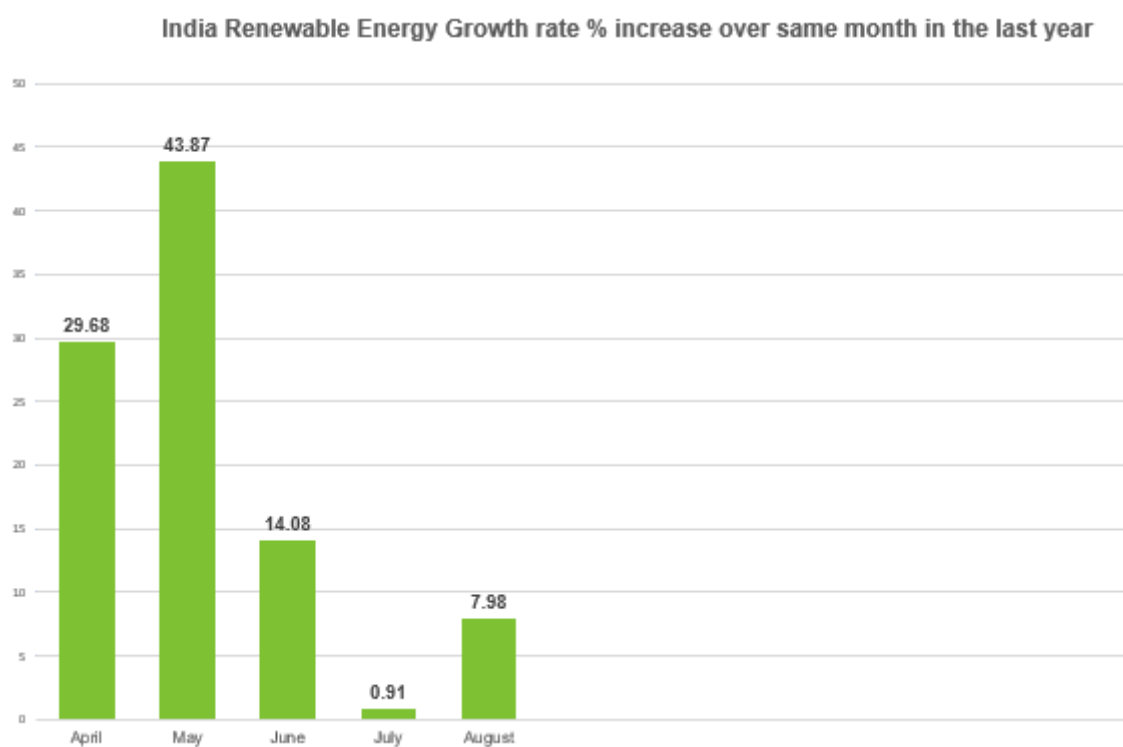


Figure 7: Month Wise Growth of RE Generation w.r.t to previous year.

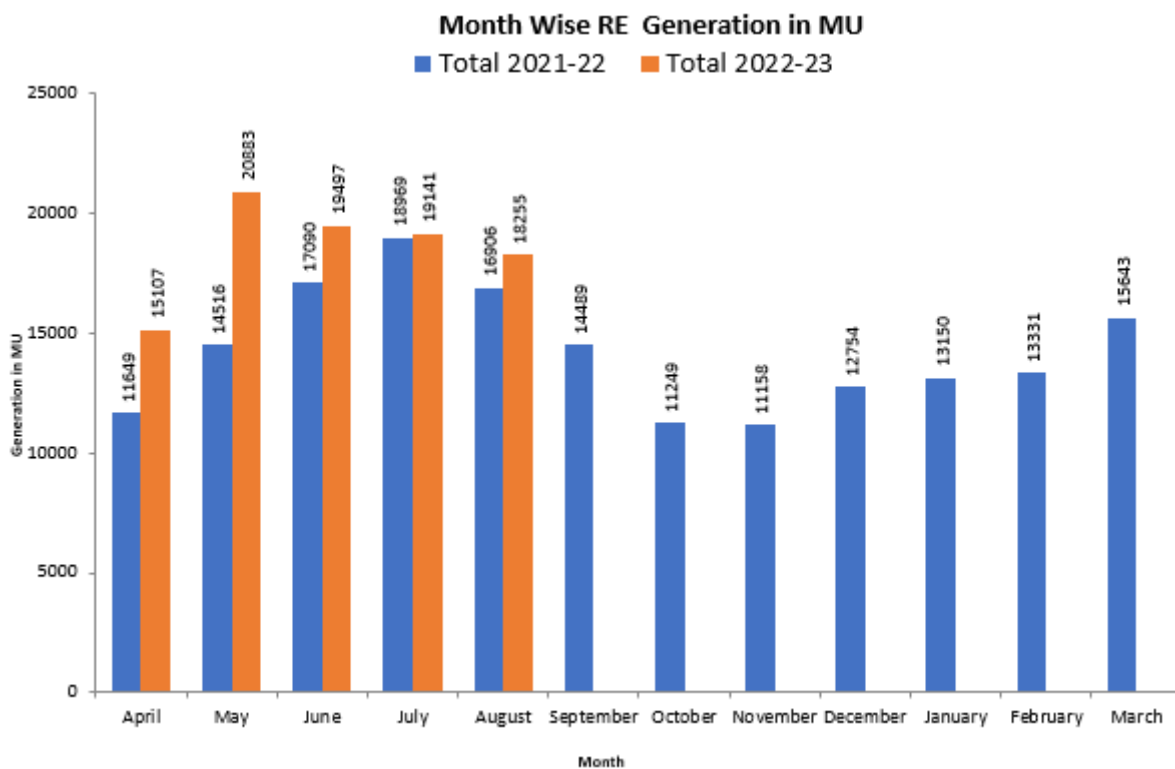


Figure 8: comparison of Month Wise RE Generation in year 2021-22 & in year 2022-23

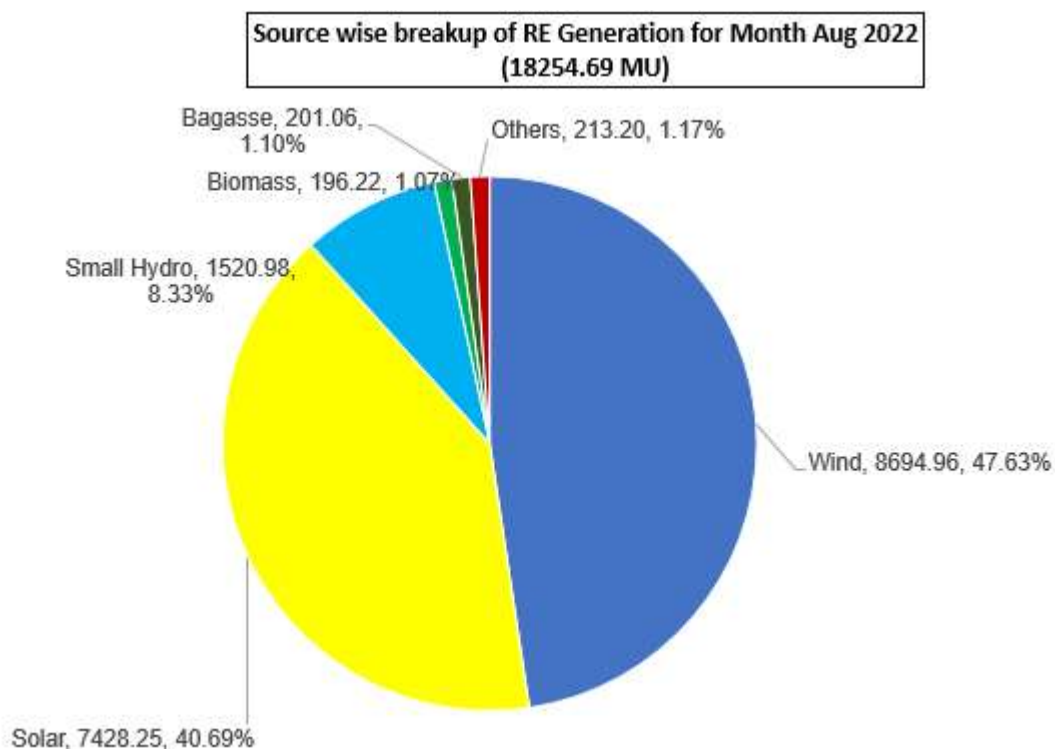


Figure 9: Source wise breakup of RE Generation in the month of August -2022

Monthly Energy Generation (139.77 BU) Aug 2022

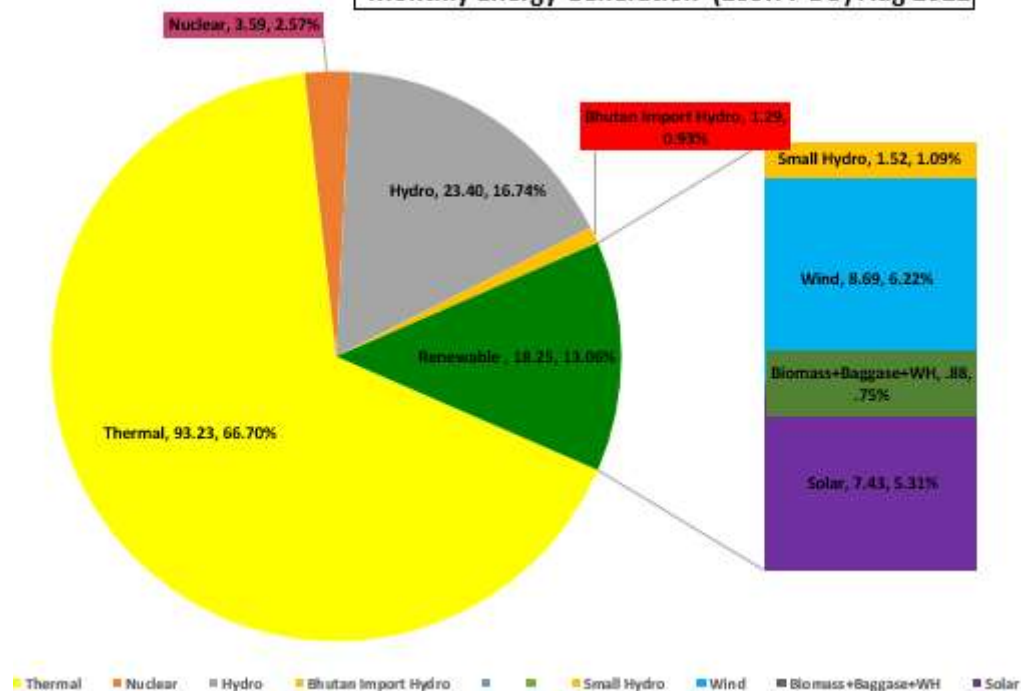


Figure 10: Total Energy Generation in India and Share of RE in the month of August -2022

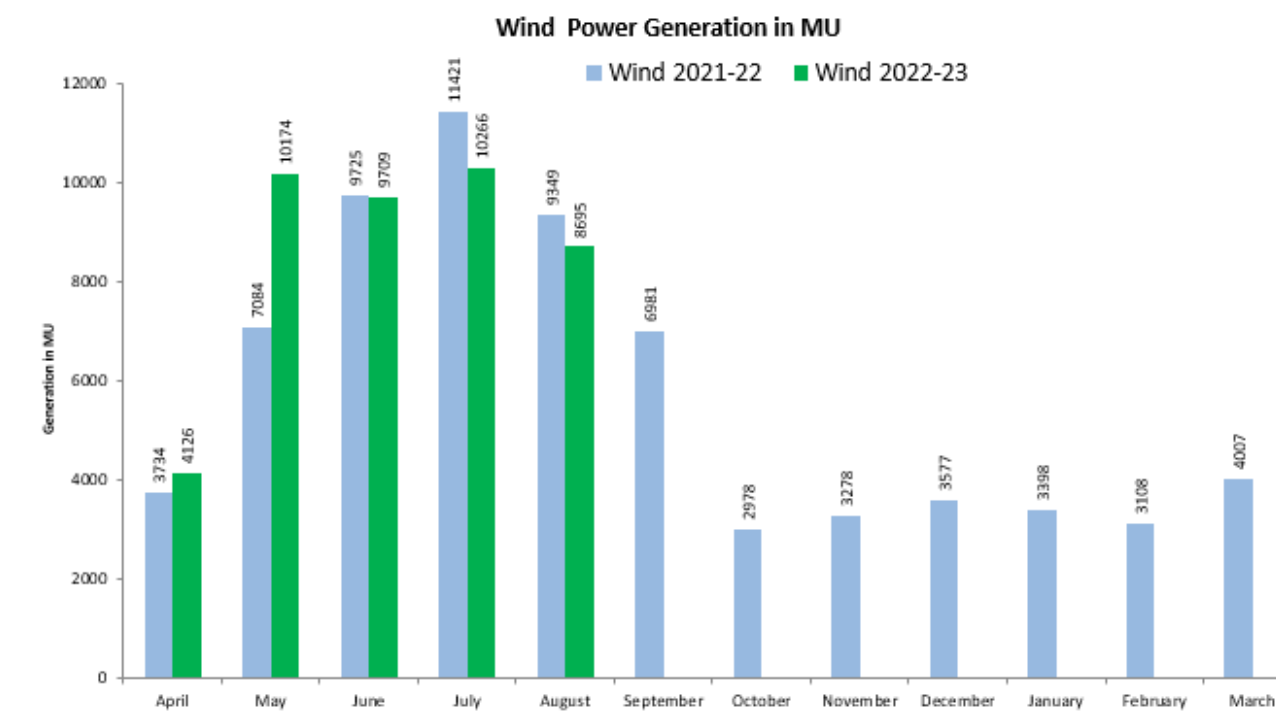


Figure 11: Month Wise Wind Power Generation for the year 2021-22 and year 2022-23.

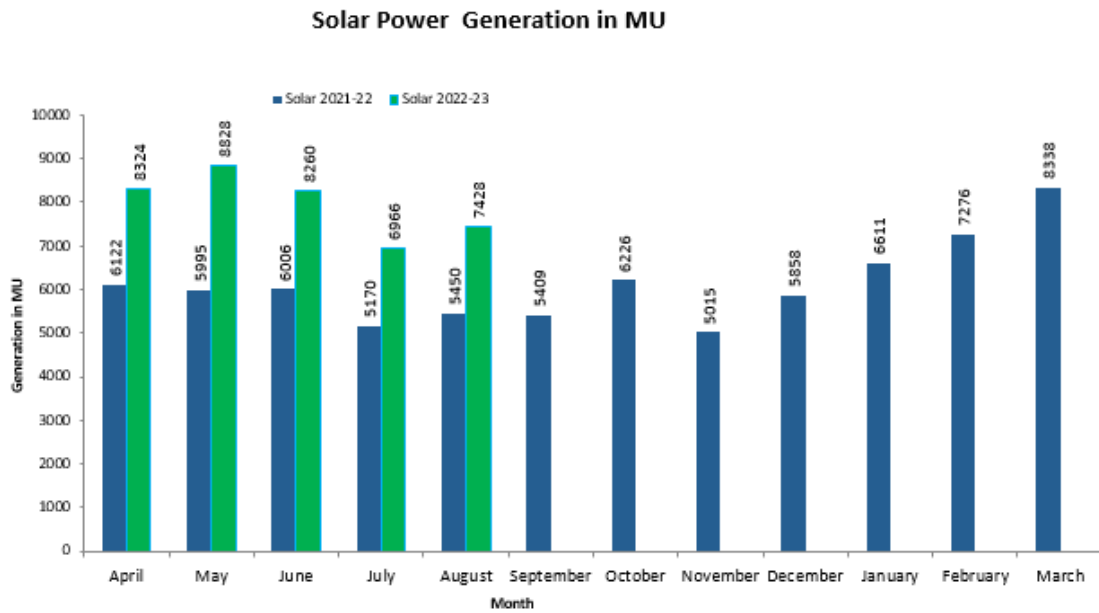


Figure 12: Month Wise Solar Power Generation for the year 2021-22 and year 2022-23.

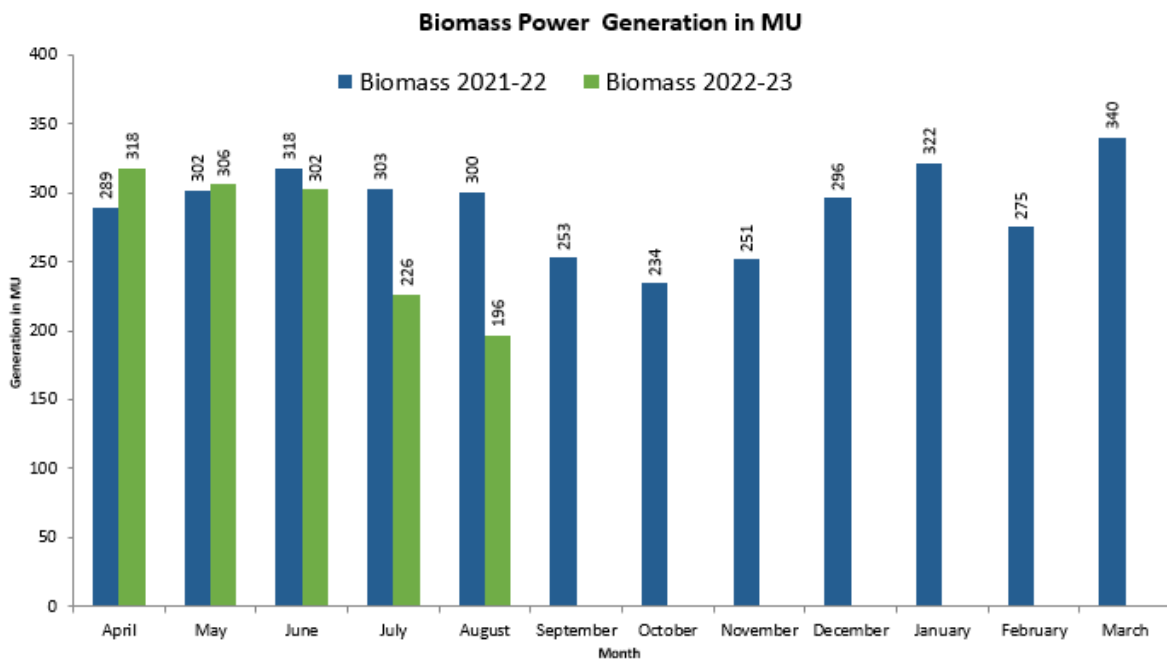


Figure 13: Month Wise Biomass Power Generation for the year 2021-22 and year 2022-23.

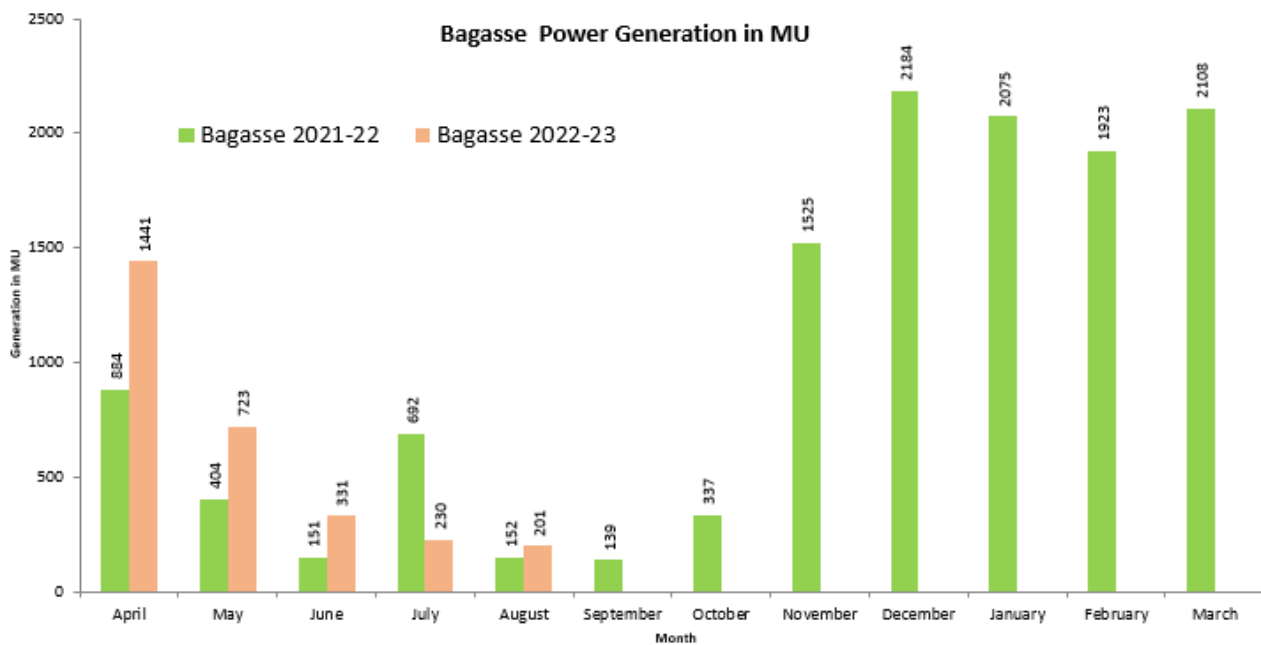


Figure 14: Month Wise Bagasse Power Generation for the year 2021-22 and year 2022-23.

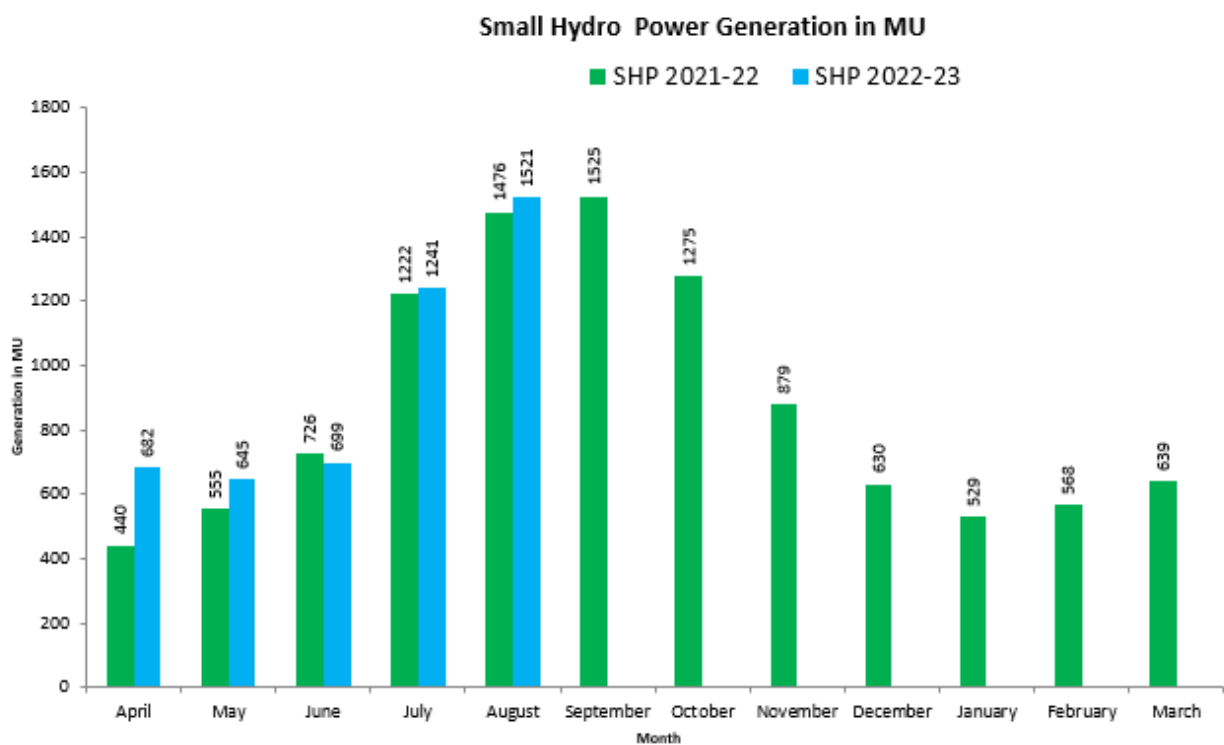


Figure 15: Month Wise Small Hydro Power Generation for the year 2021-22 and year 2022-23.

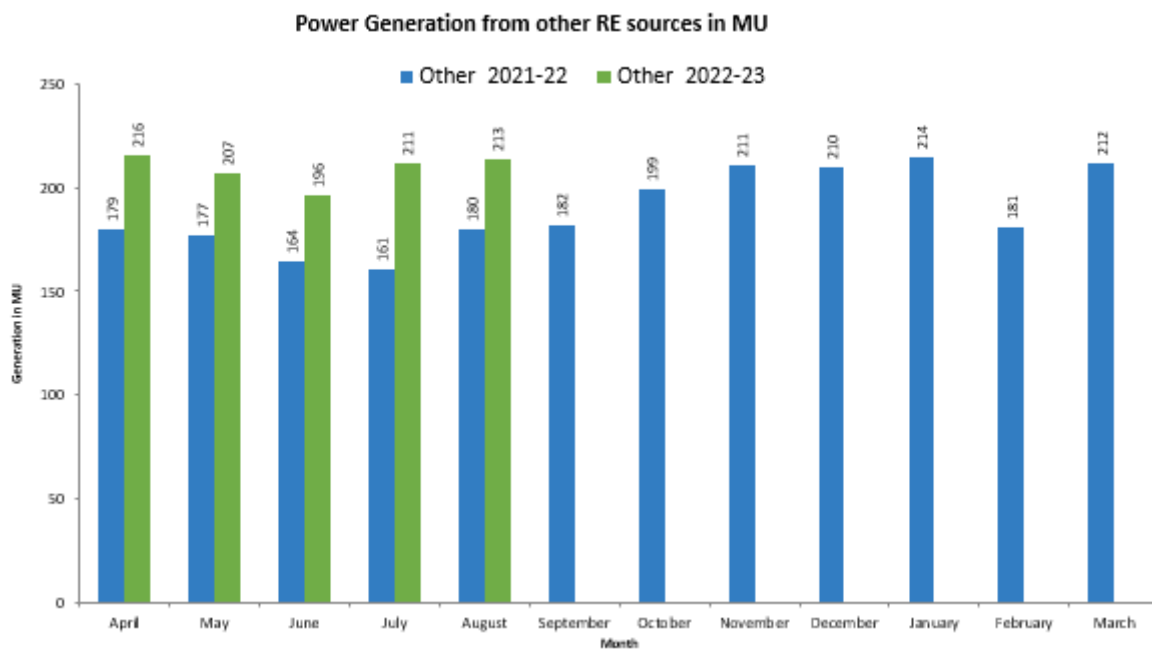


Figure 16: Month Wise Other RE (Waste Heat etc.) Power for the year 2021-22 and year 2022-23.

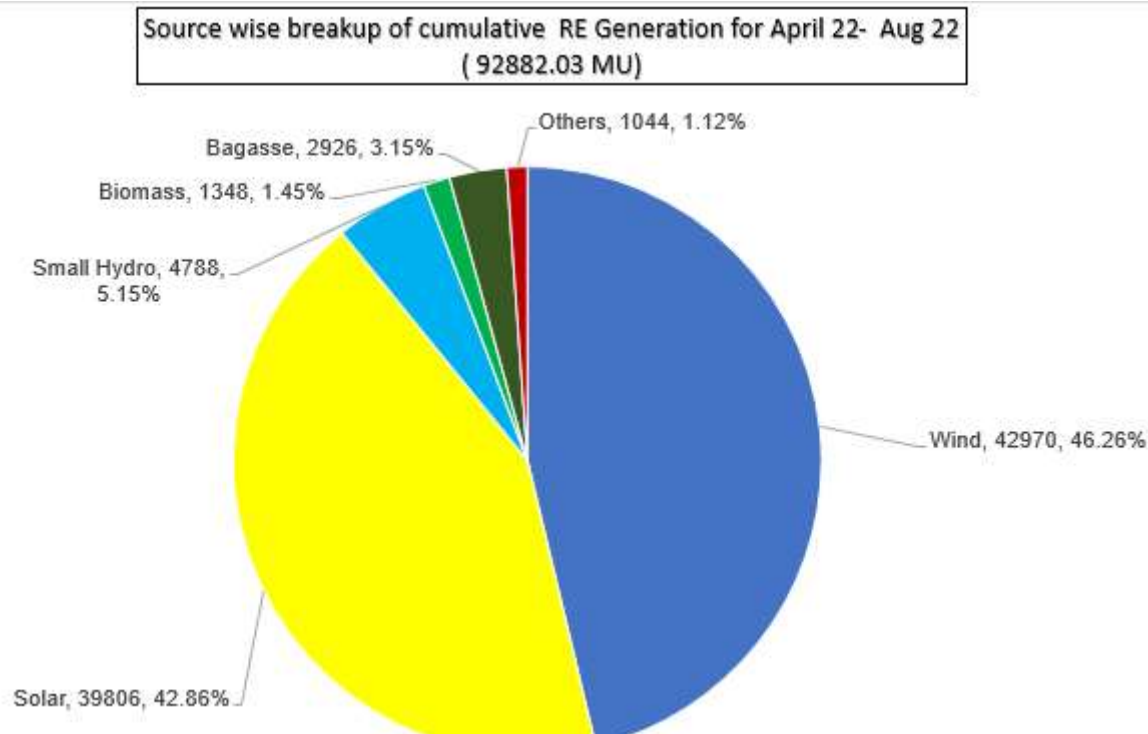


Figure 17: Source wise breakup of Cumulative RE Generation for the year 2022-23(up to Aug 22).

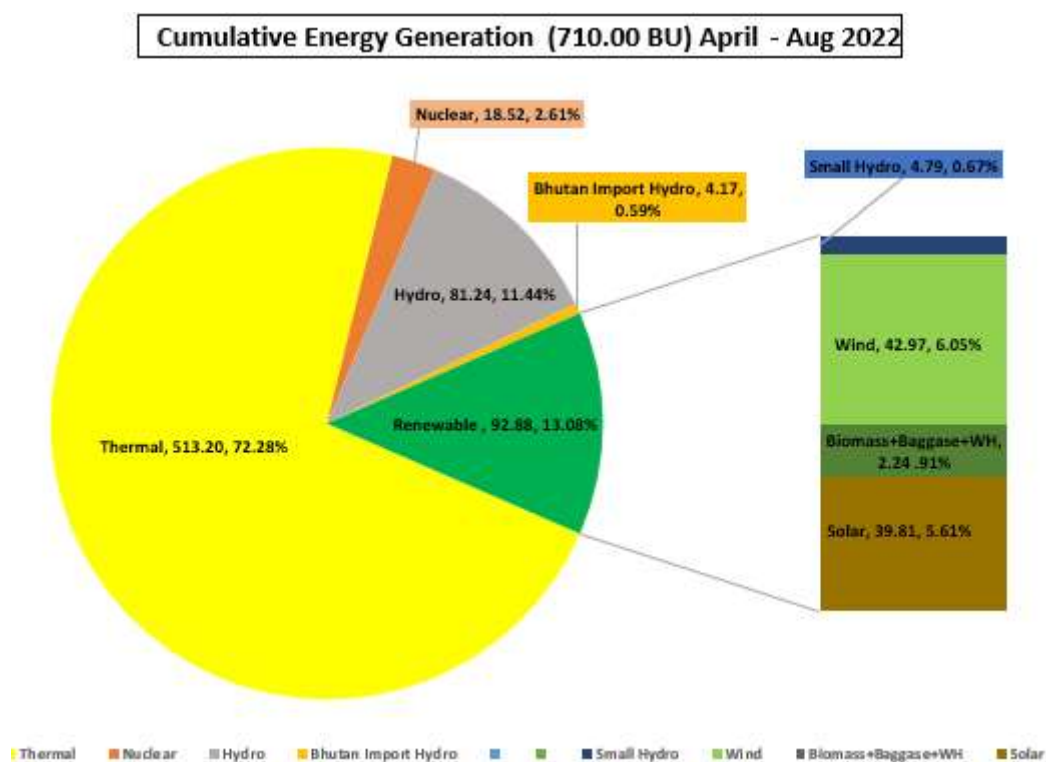
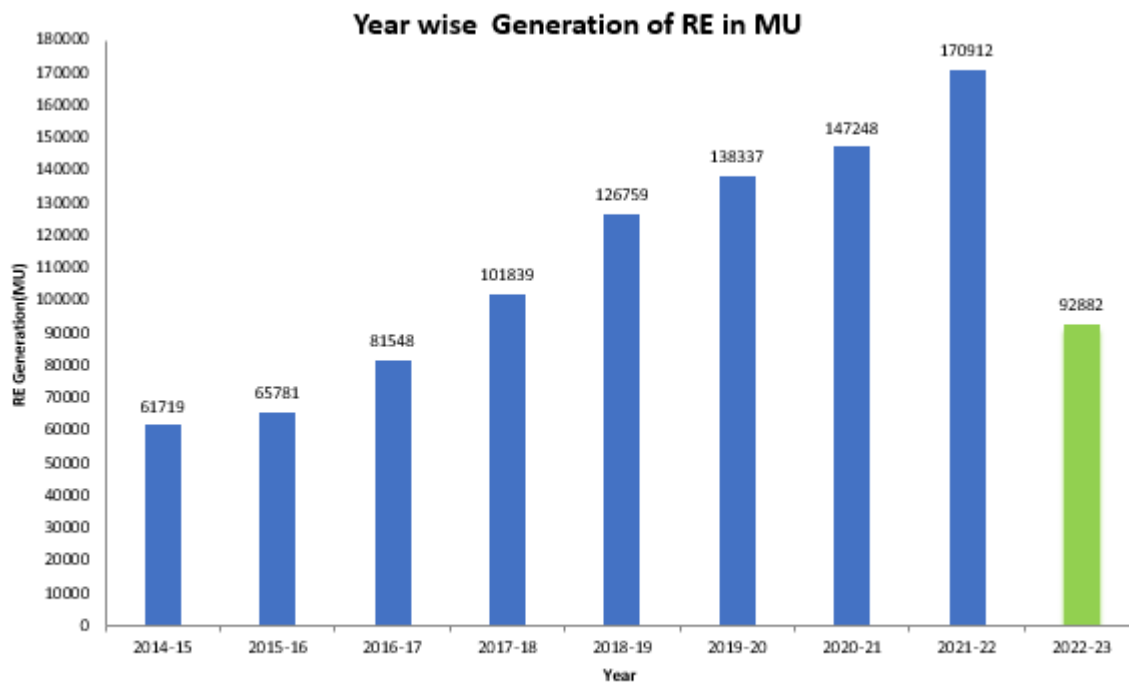


Figure 18 Cumulative Total Energy Generation in India and Share of RE for the year 2022-23(up to Aug 22).



2022-23 Generation up to August 2022.

Figure 19 Year Wise RE Generation

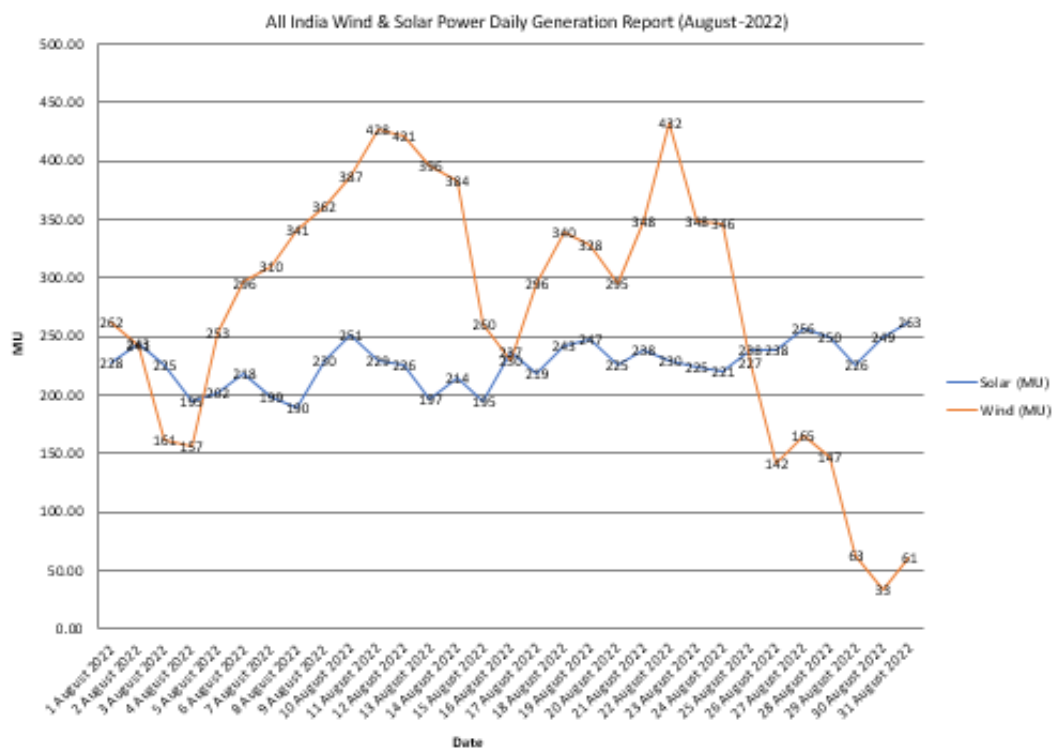


Figure 20: Daily solar and wind power generation trend in the month of August -2022

Summary of All India Total Renewable Energy Generation

Source	Installed Capacity (MW) (As on 31 .08.2022)	RE Generation (MU)August '2022	RE Generation (MU) August '2021	% of same period Last Year	RE Generation (MU) April'2022-August '2022	RE Generation (MU) April'2021-August '2021	% of same period Last Year
पवन/Wind	41204.68	8694.96	9348.92	93.01	42970.42	41313.55	104.01
सौर/Solar	59302.7	196.22	300.44	65.31	1348.41	1511.71	89.20
बायोमास/Biomass	10205.61	196.22	300.44	65.31	1348.41	1511.71	89.20
बगास/Bagasse		201.06	151.57	132.65	2926.12	2283.17	128.16
लघु जल विद्युत्/Small Hydro	4887.90	1520.98	1476.14	103.04	4787.79	4418.47	108.36
अन्य/Others	476.75	213.20	179.66	118.67	1043.73	860.34	121.32
कुल/Total	116077.64	18254.69	16906.23	107.98	92882.03	79129.84	117.38

Table 1 All India Summary of Renewable Energy Generation

Table 2: Renewable Energy Generation by ISGS Stations of the Month August 2022.

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Generation (MU)
Unchahar Solar*	Uttar Pradesh	Central	NTPC	Solar	1.11
Dadri Solar*	Uttar Pradesh	Central	NTPC	Solar	0.54
Singrauli Solar*	Uttar Pradesh	Central	NTPC	Solar	1.62
Auraiya	Uttar Pradesh	Central	NTPC	Solar	2.76
Kolayat	Rajasthan	Central	NTPC	Solar	31.33
Eden Renewable Cite Private Limited	Rajasthan	Private	IPP	Solar	53.42
Clean Solar Power (Bhadla) Pvt Ltd	Rajasthan	Private	IPP	Solar	57.46
Clean Solar Power	Rajasthan	Private	IPP	Solar	44.84
Azure Power Forty Three Private Ltd	Rajasthan	Private	IPP	Solar	112.79
Adani SE4PL(Kilaj Solar)	Rajasthan	Private	IPP	Solar	9.88
Tata Power Renewable Energy Ltd	Rajasthan	Private	IPP	Solar	53.98
Mahoba Solar (Up) Private Ltd(Adani RERJL)	Rajasthan	Private	IPP	Solar	35.00
ABC Renewable Energy	Rajasthan	Private	IPP	Solar	58.35
Acme Heerghar Powertech Pvt Ltd	Rajasthan	Private	IPP	Solar	43.76
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	IPP	Solar	48.65
Azure Power India Pvt Ltd	Rajasthan	Private	IPP	Solar	33.09
Azure Power Maple	Rajasthan	Private	IPP	Solar	29.45
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	IPP	Solar	9.38
Azure Power Forty One Private Limited	Rajasthan	Private	IPP	Solar	47.89
Mahindra Renewable Private Limited	Rajasthan	Private	IPP	Solar	45.58
Mega Surya Urja	Rajasthan	Private	IPP	Solar	45.42
Adani SEJ4PL	Rajasthan	Private	IPP	Solar	9.88
Adani SEJ5PL	Rajasthan	Private	IPP	Solar	32.11
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	IPP	Solar	45.49
Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Private	IPP	Solar	91.56

Renew Solar Power Pvt Ltd	Rajasthan	Private	IPP	Solar	9.54
Adani SERJ1PL	Rajasthan	Private	IPP	Solar	55.20
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	IPP	Solar	37.44
Azure Power Thirty Four Private Ltd	Rajasthan	Private	IPP	Solar	25.05
Renew Sun Waves Private Limited	Rajasthan	Private	IPP	Solar	49.71
Adani Hybrid Energy Jaisalmer Four Limited	Rajasthan	Private	IPP	Solar	204.60
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Private	IPP	Solar	75.73
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Private	IPP	Solar	75.65
Avaada RJHN	Rajasthan	Private	IPP	Solar	41.46
Avaada Sunce	Rajasthan	Private	IPP	Solar	60.77
Avaada Sustainable	Rajasthan	Private	IPP	Solar	49.55
Ayana Renewable One	Rajasthan	Private	IPP	Solar	57.13
Nindan Solar Fatehgar	Rajasthan	Private	IPP	Solar	52.25
Renew Jharkhand	Rajasthan	Private	IPP	Solar	51.20
Renew Solar Urja	Rajasthan	Private	IPP	Solar	50.23
Renew Surya Ravi	Rajasthan	Private	IPP	Solar	26.55
Thar Surya1	Rajasthan	Private	IPP	Solar	24.88
Renew Sun Bright	Rajasthan	Private	IPP	Solar	49.57
Northern Region					1941.85
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	IPP	Solar	33.48
Acme Solar (Ramnagar)	Madhya Pradesh	Private	IPP	Solar	0.00
Mahindra Solar (Badwar)	Madhya Pradesh	Private	IPP	Solar	33.66
ESPL RSP Solar	Gujarat	Private	IPP	Solar	31.44
TPREL RSP Solar	Gujarat	Private	IPP	Solar	15.98
GIPCL RSP Solar	Gujarat	Private	IPP	Solar	14.66
Powerica	Gujarat	Private	IPP	Solar	10.25
NTPC Kawas	Gujarat	Central	NTPC	Solar	5.32
GSECL	Gujarat	Private	IPP	Solar	3.31
Renew Solar (Bhuvad)	Gujarat	Private	IPP	Solar	59.56

Alfnar Wind	Gujarat	Private	IPP	Wind	68.58
Adani Green Energy Mp Ltd(Dayapar)	Gujarat	Private	IPP	Wind	0.00
Giwel-II Wind (Vadva)	Gujarat	Private	IPP	Wind	65.19
Giwel-III Wind (Naranpar)	Gujarat	Private	IPP	Wind	78.12
IWISL Wind (Dayapar)	Gujarat	Private	IPP	Wind	0.00
Ostro Wind (Kutch)	Gujarat	Private	IPP	Wind	75.08
Renew Ap2 Wind(Ghadsisa)	Gujarat	Private	IPP	Wind	88.46
Avikiran Solar India Private Limited (ASIPL) Western Region	Gujarat	Private	IPP	Wind	49.95
					633.04
Beetam(Tuticorin)	Tamil Nadu	Private	IPP	Wind	66.37
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	IPP	Wind	109.18
Hiritur Ostro	Tamil Nadu	Private	IPP	Wind	63.58
Mytra	Tamil Nadu	Private	IPP	Wind	71.49
Orange	Tamil Nadu	Private	IPP	Wind	67.24
Green Infra	Tamil Nadu	Private	IPP	Wind	84.29
Rstps Floating Solar_act	Andhra Pradesh	Private	IPP	Solar	14.76
simhadri Floating Solar_act	Andhra Pradesh	Private	IPP	Solar	3.84
Biwadi	Andhra Pradesh	Private	IPP	Solar	9.11
Hisar	Andhra Pradesh	Private	IPP	Solar	9.02
Karnal	Andhra Pradesh	Private	IPP	Solar	9.09
Ayana	Andhra Pradesh	Private	IPP	Solar	46.30
Azure	Andhra Pradesh	Private	IPP	Solar	6.99
FRV2	Andhra Pradesh	Private	IPP	Solar	8.49
FRV	Andhra Pradesh	Private	IPP	Solar	8.78
NTPC	Andhra Pradesh	Private	IPP	Solar	29.57
SBG	Andhra Pradesh	Private	IPP	Solar	46.04
Sprng Agnitra	Andhra Pradesh	Private	IPP	Solar	45.80
Tata	Andhra Pradesh	Private	IPP	Solar	15.79
Adyah10	Karnataka	Private	IPP	Solar	52.08

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	8.45
Avaada	Karnataka	Private	IPP	Solar	25.29
Avaada Solarise	Karnataka	Private	IPP	Solar	24.68
Azure Power	Karnataka	Private	IPP	Solar	17.80
Fortum Finsurya	Karnataka	Private	IPP	Solar	14.70
Fortum	Karnataka	Private	IPP	Solar	41.40
Kredl	Karnataka	Private	IPP	Solar	7.85
Parampujya	Karnataka	Private	IPP	Solar	24.03
Renew	Karnataka	Private	IPP	Solar	7.73
SBG	Karnataka	Private	IPP	Solar	34.21
Tata	Karnataka	Private	IPP	Solar	66.07
Yarrow	Karnataka	Private	IPP	Solar	8.17
Southern Region					1048.16
All India Total					3623.05

Table 3: Renewable Energy Generation by CPSU Owned stations

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) Aug'2022	RE Generation (MU)' Aug 2021	RE Generation (MU) April'2022-Aug2022	RE Generation (MU) April'2021-Aug '2021
NTPC							
NTPC Faridabad _Solar	Haryana	5.00	Solar	0.55	0.59	2.98	3.01
NTPC Bhadla	Rajasthan	260.00	Solar	33.45	39.04	181.98	193.96
NTPC Jetsar	Rajasthan	160.00	Solar	25.97	0.00	158.89	0.00
NTPC Fatehgarh	Rajasthan	247.20	Solar	54.25	0.00	256.39	0.00
NTPC Dadri _Solar *	Uttar Pradesh	5.00	Solar	0.54	0.52	2.90	2.95
NTPC Unchahar _Solar *	Uttar Pradesh	10.00	Solar	1.11	0.97	6.16	5.36
NTPC Singrauli _Solar *	Uttar Pradesh	15.00	Solar	1.62	1.62	8.99	8.47
NTPC Auraiya	Uttar Pradesh	20.00	Solar	2.76	2.58	16.05	14.62
NTPC Singrauli _SH	Uttar Pradesh	8.00	Small Hydro	2.92	1.02	13.25	13.71
NTPC Rojmal	Gujarat	50.00	Wind	9.65	10.13	61.19	49.93
NTPC Rajgarh _Solar	Madhya Pradesh	50.00	Solar	4.47	4.12	30.50	30.14
NTPC Mandsaur	Madhya Pradesh	250.00	Solar	25.02	22.44	159.24	157.53
NTPC Anantapuram	Andhra Pradesh	250.00	Solar	30.09	28.02	157.87	161.59
NTPC Ramagundam	Telangana	110.00	Solar	15.70	0.89	59.85	5.12
NTPC Andaman Nicobar	Andaman Nicobar	5.00	Solar	0.41	0.42	2.21	2.10
NTPC Talchar _Solar	Orissa	10.00	Solar	1.04	1.05	5.62	5.62
NTPC Solar _Bilhaur	Uttar Pradesh	225.00	Solar	38.15	35.16	225.30	195.39
Simhadri Floating Project	Andhra Pradesh	25.00	Solar	3.92	1.70	20.88	2.51
Kayamkulam	Kerala	92.00	Solar	15.40	0.00	46.42	0.00
Kawas	Gujarat	35.00	Solar	7.44	0.00	15.15	0.00
Gandhar	Gujarat	10.00	Solar	0.20	0.00	0.20	0.00
Kolayat	Rajasthan	250.00	Solar	33.48	0.00	33.48	0.00
Total NTPC		2092.20		308.14	150.28	1465.50	852.02
THDC							
THDC Patan Wind Power Project	Gujarat	50.00	Wind	7.51	9.12	47.12	47.30
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63.00	Wind	13.76	15.03	78.48	80.24
THDC Solar Kasaragod	Kerala	50.00	Solar	6.20	6.35	32.43	30.08
THDCIL's premises at Rishikesh	Uttar Pradesh	0.50	Solar	0.04	0.03	0.24	0.15
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24.00	Small Hydro	11.51	7.57	25.41	13.73
Total THDC		187.50		39.02	38.10	183.68	171.50
NHPC							
NHPC Wind Power Project	Rajasthan	50.00	Wind	6.05	11.22	38.18	49.35
NHPC Solar Power Project	Tamilnadu	50.00	Solar	7.40	7.15	37.79	38.58

Total NHPC		100.00		13.45	18.36	75.98	87.93
ONGC							
ONGC Wind, Bhuj	Gujarat	51.00	Wind	10.66	12.13	50.13	59.88
ONGC Wind, Jaisalmer	Rajasthan	102.00	Wind	11.71	22.49	85.30	98.54
ONGC Solar, Goa	Goa	1.00	Solar	0.08	0.11	0.51	0.54
ONGC Solar, Hazira	Gujarat	10.00	Solar	0.97	0.99	5.97	6.08
ONGC Solar, Ankleshwar	Gujarat	5.00	Solar	0.62	0.53	3.70	2.95
ONGC Solar,Rajahmundry	Andhra Pradesh	1.00	Solar	0.07	0.09	0.40	0.48
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.13	0.11	0.59	0.53
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.59	0.00	3.01	0.54
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.28	0.39	2.10	2.27
ONGC Solar, Assam (RTS)	Assam	1.65	Solar	0.15	0.12	0.70	0.68
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.24	Solar	0.10	0.07	0.65	0.60
ONGC Solar, Agartala asset	Tripura	0.25	Solar	0.25	0.02	0.34	0.12
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00	0.10	0.00
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.01	0.01	0.03	0.04
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.03	0.00	0.12	0.00
Total ONGC		184.05		25.64	37.07	153.64	173.26
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	10.28	5.35	39.62	30.65
Sadla Wind Power	Gujarat	50.00	Solar	9.19	8.72	56.33	54.55
Charanka Solar Power	Gujarat	5.60	Solar	0.38	0.64	3.18	3.48
Wadhal Solar Power Project	Gujarat	1.00	Solar	0.11	0.00	0.68	0.00
Total SJVN		104.20		19.96	14.71	99.81	88.69
Oil India Ltd							
Oil India Ltd	Rajasthan	14.00	Solar	1.74	2.17	10.28	10.46
Oil India Ltd	Rajasthan	67.60	Wind	6.95	11.72	48.92	49.49
Oil India Ltd	Gujarat	43.30	Wind	9.00	8.82	50.51	44.04
Oil India Ltd	Madhya Pradesh	63.20	Wind	9.91	15.30	57.42	71.49
Total Oil India Ltd		188.10		27.60	38.01	167.13	175.48
NEEPCO							
NEEPCO	Tripura	5.00	Solar	0.56	0.31	2.60	2.28
DVC							
DVC	West Bangal	0.08	Solar	0.01	0.01	0.04	0.05
DVC	Jharkhand	4.00	Small Hydro	0.00	2.75	0.00	6.91
Total DVC		4.08		0.01	2.76	0.04	6.96
All India Total		2865.13		434.38	299.61	2148.37	1558.14

Renewable Energy Curtailment during August 2022

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

Table 4 RE Curtailment Data as available from SLDCs**Renewable Energy Curtailment for the month of August -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/mpsldc/RE_DATA

Table 5 Deviation Data for ISGS

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of August 2022				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
ABC RENEWABLE ENERGY	Solar	53.64	58.35	4.71
ACME HEERGARH POWERT	Solar	47.44	43.76	-3.69
ACSEPL_BHADLA	Solar	48.95	48.65	-0.30
ADANI HYBRID	Solar	97.52	91.56	-5.96
ADANI HYBRID FOUR	Solar	216.78	204.60	-12.18
ADANI HYBRID THREE	Solar	74.30	75.73	1.43
ADANI HYBRID TWO	Solar	68.14	75.65	7.51
Adani RERJL	Solar	35.02	35.00	-0.02
ADANI SE JODHPUR 2 L	Solar	9.90	9.38	-0.52
Adani SE4PL	Solar	9.53	9.88	0.35
Adani SEJ5PL	Solar	31.48	32.11	0.64
Adani SERJ1PL	Solar	55.95	55.20	-0.75
AURAIYA SOLAR	Solar	3.08	2.73	-0.36
AVAADA RJHN	Solar	42.53	41.46	-1.07
AVAADA SUNCE	Solar	62.72	60.77	-1.95
AVAADA SUSTAINABLE	Solar	52.40	49.55	-2.85
AYANA RENEWABLE ONE	Solar	56.93	57.13	0.19
AZURE FORTY ONE	Solar	48.55	47.89	-0.65
AZURE FORTY THREE	Solar	111.17	112.79	1.62
AZURE POWER MAPLE	Solar	29.19	29.45	0.27
AZURE POWER THIRTY F	Solar	24.87	25.05	0.18
AZURE SOLAR	Solar	31.74	33.09	1.35
CLEAN SOLAR POWER	Solar	41.22	44.84	3.62
CSP_BHADLA	Solar	59.44	57.46	-1.98
DADRI SOLAR	Solar	0.66	0.54	-0.12
EDEN RENEWABLE	Solar	52.13	53.42	1.29
KOLYAT SOLAR BIKANER	Solar	32.89	31.33	-1.56
MAHINDRA RPL	Solar	44.43	45.58	1.15
MEGA SURYAURJA	Solar	46.41	45.42	-0.98
NIDAN SOLAR FATEHGAR	Solar	59.24	52.25	-6.99
RENEW JHARKHAND	Solar	50.48	51.20	0.72
RENEW SOLAR	Solar	9.61	9.54	-0.07
RENEW SOLAR URJA	Solar	52.30	50.23	-2.07
RENEW SUN BRIGHT	Solar	51.48	49.57	0.00
RENEW SUN WAVES	Solar	49.79	49.71	0.00
RENEW SURYA RAVI	Solar	24.79	26.55	1.76
RSPL_BKN	Solar	47.56	45.49	-2.07

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of August 2022				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
SBSR POWER CLEANTECH	Solar	38.97	37.44	-1.53
SINGRAULI SOLAR	Solar	1.67	1.54	-0.14
TATA POWER GREEN ENERGY	Solar	36.79	29.06	-7.73
TATA SOLAR	Solar	55.15	53.98	-1.17
THAR SURYA 1	Solar	26.88	24.88	-2.01
UNCHAHAHAR SOLAR	Solar	1.16	1.07	-0.08
Western Region				
Acme Solar (Ramnagar)	Solar	0.00	0.00	0.00
AGEMPL	Solar	0.00	0.00	0.00
AlfanarWind_SECI-III	Wind	72.78	68.58	-4.20
Arinsun_RUMS	Solar	33.93	33.48	-0.45
Avikiran Solar India Private Limited (AS IPL)	Solar	50.69	49.95	-0.74
ESPL_RSP	Solar	33.02	31.44	-1.58
GIPCL_RSP	Solar	17.12	14.66	-2.46
Giwel-III Wind (Vadva)	Wind	78.79	78.12	-0.67
Giwel-II Wind (Vadva)	Wind	68.14	65.19	-2.95
GSECL_RSP	Solar	2.67	3.31	0.64
IWISL	Wind	0.00	0.00	0.00
KAWAS_SOLAR	Solar	5.81	5.32	-0.49
Mahindra_RUMS	Solar	35.28	33.66	-1.61
Ostro Wind (Kutch)	Solar	64.19	75.08	10.89
POWERICA	Wind	11.05	10.25	-0.80
Renew Solar (Bhuvad)	Solar	63.60	59.56	-4.04
Renew Ap2 Wind(Ghadsisa)	Wind	90.35	88.46	-1.90
TPREL_RSP	Solar	17.16	15.98	-1.18
SOUTHERN REGION				
BEETAM	Wind	68.19	66.37	-1.82
GIREL	Wind	83.91	84.29	0.38
MYTRAH	Wind	69.19	71.49	2.29
ORANGE	Wind	68.46	67.24	-1.22
SPRNG RENEWABLE ENERGY PVT LTD(PUGALUR)	Wind	20.55	20.56	0.02

+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 August 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	2.16	2.16	100.00
Delhi	0.00	364.73	0.00	0.00	45.59	410.32	11.11
Haryana	3056.77	0.00	0.00	0.00	140.41	3197.18	4.39
HP	0.00	0.00	0.00	6239.03	377.28	6616.31	100.00
J & K	0.00	0.00	0.00	2253.42	48.21	2301.63	100.00
Ladakh	0.00	0.00	0.00	64.00	0.00	64.00	100.00
Punjab	3047.49	0.00	0.00	544.53	299.16	3891.18	21.68
Rajasthan	4442.78	135.24	623.04	19.97	3138.32	8359.35	45.23
Uttar Pradesh	13452.28	32.35	267.17	102.96	333.95	14188.71	4.96
Uttarakhand	0.00	0.00	0.00	2190.90	77.81	2268.71	100.00
Northern Region Total	23999.32	532.32	890.21	11414.81	4462.89	41299.55	40.60
Chhattisgarh	10137.08	0.00	0.00	17.09	134.10	10288.27	1.47
Gujarat	3497.23	69.44	332.88	1300.18	2299.03	7498.76	52.44
Madhya Pradesh	10295.70	0.00	0.00	1162.29	710.95	12168.94	15.39
Maharashtra	8485.86	207.07	807.01	569.53	1513.65	11583.12	24.95
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!
Daman & Diu	0.00	0.00	0.00	0.00	1.00	1.00	100.00
Goa	0.00	0.00	0.00	0.00	1.94	1.94	100.00
Western Region Total	32415.87	276.51	1139.89	3049.09	4660.66	41542.02	21.30
Andhra Pradesh	4993.45	80.93	0.00	623.33	1766.46	7464.17	32.02
Telangana	3555.88	0.00	0.00	1325.11	562.84	5443.83	34.68
Karnataka	2074.05	0.00	659.84	1249.63	2793.43	6776.95	69.40
Kerala	0.00	0.00	0.00	1161.24	196.47	1357.71	100.00
Tamil Nadu	5149.56	156.39	883.13	741.36	3440.48	10370.92	48.84
Lakshadweep	0.00	0.00	0.00	0.00	0.01	0.01	100.00
Puducherry	0.00	20.32	0.00	0.00	1.02	21.34	4.78
Southern Region Total	15772.94	257.64	1542.97	5100.67	8760.70	31434.92	49.00
Andaman Nicobar	8.69	0.00	0.00	0.00	3.68	12.37	29.74
Bihar	4338.84	0.00	0.00	0.00	17.90	4356.74	0.41
Jharkhand	2580.82	0.00	0.00	45.44	1.86	2628.12	1.80
Orissa	5125.82	0.00	0.00	679.77	116.69	5922.28	13.45
Sikkim	0.00	0.00	0.00	1693.25	1.03	1694.28	100.00
West Bengal	6899.77	0.00	0.00	376.67	167.01	7443.45	7.30
Eastern Region Total	18953.94	0.00	0.00	2795.13	308.18	22057.25	14.07
Arunachal Pradesh	0.00	0.00	0.00	622.57	4.61	627.18	100.00
Assam	466.13	281.37	0.00	66.27	29.53	843.30	11.36
Manipur	0.00	0.00	0.00	76.86	0.74	77.60	100.00
Meghalaya	0.00	0.00	0.00	126.68	10.43	137.11	100.00

Mizoram	0.00	0.00	0.00	39.13	1.27	40.40	100.00
Nagaland	0.00	0.00	0.00	19.59	15.12	34.71	100.00
Tripura	0.00	625.42	0.00	0.00	0.56	625.98	0.09
North Eastern Region Total	466.13	906.79	0.00	951.10	62.26	2386.28	42.47
All India Total	91608.20	1973.26	3573.07	23310.80	18254.69	138720.02	32.54

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 August 2022							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	2.16	2.16	100.00
Delhi	0.00	364.73	0.00	0.00	45.59	410.32	11.11
Haryana	3056.77	0.00	0.00	0.00	140.41	3197.18	4.39
HP	0.00	0.00	0.00	6239.03	377.28	6616.31	5.70
J & K	0.00	0.00	0.00	2253.42	48.21	2301.63	2.09
Ladakh	0.00	0.00	0.00	64.00	0.00	64.00	0.00
Punjab	3047.49	0.00	0.00	544.53	299.16	3891.18	7.69
Rajasthan	4442.78	135.24	623.04	19.97	3138.32	8359.35	37.54
Uttar Pradesh	13452.28	32.35	267.17	102.96	333.95	14188.71	2.35
Uttarakhand	0.00	0.00	0.00	2190.90	77.81	2268.71	3.43
Northern Region Total	23999.32	532.32	890.21	11414.81	4462.89	41299.55	10.81
Chhattisgarh	10137.08	0.00	0.00	17.09	134.10	10288.27	1.30
Gujarat	3497.23	69.44	332.88	1300.18	2299.03	7498.76	30.66
Madhya Pradesh	10295.70	0.00	0.00	1162.29	710.95	12168.94	5.84
Maharashtra	8485.86	207.07	807.01	569.53	1513.65	11583.12	13.07
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0
Daman & Diu	0.00	0.00	0.00	0.00	1.00	1.00	100.00
Goa	0.00	0.00	0.00	0.00	1.94	1.94	100.00
Western Region Total	32415.87	276.51	1139.89	3049.09	4660.66	41542.02	11.22
Andhra Pradesh	4993.45	80.93	0.00	623.33	1766.46	7464.17	23.67
Telangana	3555.88	0.00	0.00	1325.11	562.84	5443.83	10.34
Karnataka	2074.05	0.00	659.84	1249.63	2793.43	6776.95	41.22
Kerala	0.00	0.00	0.00	1161.24	196.47	1357.71	14.47
Tamil Nadu	5149.56	156.39	883.13	741.36	3440.48	10370.92	33.17
Lakshadweep	0.00	0.00	0.00	0.00	0.01	0.01	100.00
Puducherry	0.00	20.32	0.00	0.00	1.02	21.34	4.78
Southern Region Total	15772.94	257.64	1542.97	5100.67	8760.70	31434.92	27.87
Andaman Nicobar	8.69	0.00	0.00	0.00	3.68	12.37	29.74
Bihar	4338.84	0.00	0.00	0.00	17.90	4356.74	0.41
Jharkhand	2580.82	0.00	0.00	45.44	1.86	2628.12	0.07
Orissa	5125.82	0.00	0.00	679.77	116.69	5922.28	1.97
Sikkim	0.00	0.00	0.00	1693.25	1.03	1694.28	0.06
West Bengal	6899.77	0.00	0.00	376.67	167.01	7443.45	2.24
Eastern Region Total	18953.94	0.00	0.00	2795.13	308.18	22057.25	1.40
Arunachal Pradesh	0.00	0.00	0.00	622.57	4.61	627.18	0.73
Assam	466.13	281.37	0.00	66.27	29.53	843.30	3.50
Manipur	0.00	0.00	0.00	76.86	0.74	77.60	0.96
Meghalaya	0.00	0.00	0.00	126.68	10.43	137.11	7.61
Mizoram	0.00	0.00	0.00	39.13	1.27	40.40	3.13
Nagaland	0.00	0.00	0.00	19.59	15.12	34.71	43.56

Tripura	0.00	625.42	0.00	0.00	0.56	625.98	0.09
North Eastern Region Total	466.13	906.79	0.00	951.10	62.26	2386.28	2.61
All India Total	91608.20	1973.26	3573.07	23310.80	18254.69	138720.02	13.16

RE generation(MUs) data (Source wise) for the month of August 2022 & August 2021

[illegible]

	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Total RE	
Name of State/UT	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21
Daman & Diu	0.00	0.00	1.00	2.07	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.99
Goa	0.00	0.00	1.51	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	1.94	0.11
Western Region	3163.02	3353.54	1216.88	975.83	73.82	149.62	11.23	7.96	192.94	151.96	2.77	2.27	4660.66	4641.17
Andhra Pradesh	1062.68	1041.51	639.37	604.15	4.10	10.79	1.63	0.04	32.54	33.53	26.14	4.40	1766.46	1694.42
Telangana	34.54	26.74	500.50	478.74	0.01	8.70	0.01	0.00	15.89	11.62	11.89	22.31	562.84	548.11
Karnataka	1317.08	1136.35	1014.75	940.64	9.73	16.58	52.43	50.13	399.44	413.78	0.00	0.00	2793.43	2557.47
Kerala	16.54	19.31	55.90	34.73	0.00	0.00	3.32	4.30	120.71	106.17	0.00	0.00	196.47	164.51
Tamil Nadu	2552.87	2767.95	760.95	613.10	11.94	11.06	78.13	59.84	36.60	31.73	0.00	0.00	3440.48	3483.68
Lakshadweep	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
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
Southern Region	4983.71	4991.86	2972.50	2672.40	25.77	47.13	135.52	114.31	605.18	596.84	38.03	26.71	8760.70	8449.23
Andaman Nicobar	0.00	0.00	1.90	1.34	0.00	0.00	0.00	0.00	1.78	1.69	0.00	0.00	3.68	3.02
Bihar	0.00	0.00	15.28	16.20	0.00	0.00	0.00	0.00	2.62	1.08	0.00	0.00	17.90	17.28
Jharkhand	0.00	0.00	1.86	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	1.39
Orissa	0.00	0.00	47.45	46.64	0.03	10.16	0.00	0.00	69.22	59.40	0.00	0.00	116.69	116.20
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	9.21	7.23	0.00	0.00	0.00	0.00	20.42	23.71	137.38	126.01	167.01	156.94

	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Total RE	
Name of State/UT	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21	Aug'22	Aug'21
Eastern Region	0.00	0.00	75.70	72.79	0.03	10.16	0.00	0.00	95.07	86.91	137.38	126.01	308.18	295.87
Arunachal Pradesh	0.00	0.00	4.19	0.13	0.00	0.00	0.00	0.00	0.42	0.04	0.00	0.00	4.61	0.17
Assam	0.00	0.00	21.34	5.48	0.00	0.00	0.00	0.00	8.19	4.83	0.00	0.00	29.53	10.31
Manipur	0.00	0.00	0.74	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.11
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.43	4.08	0.00	0.00	10.43	4.08
Mizoram	0.00	0.00	0.23	0.18	0.00	0.00	0.00	0.00	1.03	2.38	0.00	0.00	1.27	2.56
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.12	13.88	0.00	0.00	15.12	13.88
Tripura	0.00	0.00	0.56	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.34
North Eastern Region	0.00	0.00	27.07	7.24	0.00	0.00	0.00	0.00	35.19	25.22	0.00	0.00	62.26	32.45
All India Total	8694.96	9348.92	7428.25	5449.51	196.22	300.44	201.06	151.57	1520.98	1476.14	213.20	179.66	18254.69	16906.23

RE generation(MUs) data (Source wise) for the year 2022-23(up to Aug 22) & year 2021-22(up to Aug 21)

	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Total RE	
Name of State/UT	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-
Chandigarh	0.00	0.00	5.63	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.63	7.06
Delhi	0.00	0.00	110.61	85.56	0.00	0.00	0.00	0.00	0.00	0.00	111.07	86.20	221.68	171.76
Haryana	0.00	0.00	315.20	182.53	0.00	0.00	104.80	14.75	110.80	102.12	22.75	0.00	702.05	372.23
Himachal Pradesh	0.00	0.00	27.14	18.94	148.50	72.83	0.00	0.00	1320.89	907.62	0.00	0.00	1348.03	926.55
J & K	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00	214.83	242.00	0.00	0.00	214.83	243.71
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	892.23	669.52	0.00	0.00	44.78	36.72	326.09	559.61	0.00	0.22	1458.42	1506.24
Rajasthan	3733.43	4222.24	13320.23	5587.28	195.32	240.17	0.00	0.00	0.24	0.21	0.00	0.00	17210.18	9983.24
Uttar Pradesh	0.00	0.00	1541.64	1156.51	156.28	173.51	586.38	577.32	78.56	48.25	24.06	0.00	2271.89	1819.33
Uttarakhand	0.00	0.00	138.25	123.15	41.25	37.25	103.55	101.30	147.25	133.90	0.00	0.00	389.05	358.35
Northern Region	3733.43	4222.24	16350.93	7832.25	0.00	0.00	839.51	730.09	2198.66	1993.71	157.88	86.42	23821.76	15388.47
Chhattisgarh	0.00	0.00	199.24	496.32	555.85	496.32	0.60	0.00	58.44	85.50	0.00	0.00	754.59	799.35
Gujarat	10522.97	9868.19	3887.65	0.00	0.00	0.00	2.86	2.04	65.60	59.53	2.24	0.00	14481.32	12501.02
Madhya Pradesh	2652.99	2603.16	1693.43	6.94	0.17	6.94	22.15	2.86	92.23	70.28	15.84	13.95	4483.57	4381.98
Maharashtra	4697.94	4419.03	1507.69	118.07	141.44	118.07	1075.68	559.39	335.50	336.77	0.30	0.05	7735.18	6823.32
Dadra and Nagar Haveli	0.00	0.00	7.88	14.88	0.81	4.68	0.00	0.00	0.00	0.00	0.00	0.00	8.68	19.56

	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Total RE	
Name of State/UT	Apr 22-Aug'22-	Apr 21-Aug'21-	Apr 22-Aug'22-	Apr 21-Aug'21-	Apr 22-Aug'22-	Apr 21-Aug'21-	Apr 22-Aug'22-	Apr 21-Aug'21-	Apr 22-Aug'22-	Apr 21-Aug'21-	Apr 22-Aug'22-	Apr 21-Aug'21-	Apr 22-Aug'22-	Apr 21-Aug'21-
Daman & Diu	0.00	0.00	10.07	17.66	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.49	17.66
Goa	0.00	0.00	4.28	0.54	0.00	0.00	0.00	0.00	0.00	0.00	2.12	0.00	6.40	0.54
Western Region	17873.90	16890.38	7310.23	5820.54	624.55	702.14	1101.29	564.29	551.76	552.07	20.51	13.99	27482.24	24543.43
Andhra Pradesh	4737.42	4326.81	3381.70	3360.68	35.01	50.03	46.92	17.23	87.48	99.80	110.28	35.40	8398.81	7889.95
Telangana	148.95	138.25	2702.53	2662.15	17.35	52.17	7.17	0.00	27.49	22.81	71.38	106.62	2974.87	2982.00
Karnataka	5555.69	5490.55	5625.68	5470.51	59.07	85.53	597.53	750.01	1013.34	931.97	0.00	0.00	12851.32	12728.57
Kerala	71.03	75.54	260.14	190.11	0.00	0.00	26.90	20.15	420.95	388.05	0.00	0.00	779.01	673.85
Tamil Nadu	10850.01	10169.79	3652.64	3003.45	53.78	53.36	306.81	201.39	99.26	113.31	0.00	0.00	14962.49	13541.31
Lakshadweep	0.00	0.00	0.05	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.13
Puducherry	0.00	0.00	5.10	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	5.10
Southern Region	21363.09	20200.93	15627.84	14692.14	165.22	241.10	985.32	988.79	1648.52	1555.95	181.66	142.02	39971.65	37820.92
Andaman Nicobar	0.00	0.00	10.58	8.40	0.00	0.00	0.00	0.00	6.09	4.91	0.00	0.00	16.67	13.31
Bihar	0.00	0.00	76.77	66.98	0.00	2.14	0.00	0.00	5.70	2.16	0.00	0.00	82.47	71.28
Jharkhand	0.00	0.00	9.32	7.57	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	9.32	7.84
Orissa	0.00	0.00	273.65	240.41	17.30	42.58	0.00	0.00	169.26	166.48	0.00	0.00	460.21	449.47
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.15	5.15	0.00	0.00	5.15	5.15
West Bengal	0.00	0.00	50.66	41.87	0.00	0.00	0.00	0.00	83.26	72.47	683.68	617.90	817.60	732.23

	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Total RE	
Name of State/UT	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-	Apr 22- Aug'22-	Apr 21- Aug'21-
Eastern Region	0.00	0.00	420.97	365.23	17.30	44.71	0.00	0.00	269.46	251.44	683.68	617.90	1391.42	1279.28
Arunachal Pradesh	0.00	0.00	16.94	0.76	0.00	0.00	0.00	0.00	1.73	0.09	0.00	0.00	18.67	0.86
Assam	0.00	0.00	71.20	25.28	0.00	0.00	0.00	0.00	28.64	17.80	0.00	0.00	99.84	43.08
Manipur	0.00	0.00	3.48	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	3.48	2.96
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.18	17.19	0.00	0.00	44.18	17.19
Mizoram	0.00	0.00	1.35	1.08	0.00	0.00	0.00	0.00	3.10	4.79	0.00	0.00	4.45	5.87
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.74	23.99	0.00	0.00	41.74	23.99
Tripura	0.00	0.00	2.59	2.36	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	2.59	3.80
North Eastern Region	0.00	0.00	95.57	32.44	0.00	0.00	0.00	0.00	119.38	65.31	0.01	0.00	214.95	97.75
All India Total	42970.42	41313.55	39805.54	28742.60	1348.41	1511.71	2926.12	2283.17	4787.79	4418.47	1043.73	860.34	92882.03	79129.85



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