भारतीय प्रबंध संस्थान शिलाँग
Indian Institute of Management, Shillong

Dr. APJ Abdul Kalam Centre for Policy Research and Analysis

Azadi Ka Amrit Mahotsav

Infographics : World Sustainable Day

27th Febraury 2022

World Sustainable Day is celebrated on the 27th of February annually around the world. This day reminds the public of the energy conservation for future and achieve energy transition through green deals and renewable sources of energy flow thereby delivering the process of modification of policies, technologies, resources and markets. The theme for World Sustainable Day 2022 is "Energy Transition- Full Speed Ahead!"

The February edition of the Centre's infographics aims to highlight the status of sustainable energy usage in the North Eastern Region (NER), India.

Note: In 2021, India ranks 3rd in the 58th edition of EY's Renewable Energy Country Attractive Index (RECAI). Budget 2022 focus: Renewable energy, energy storage and hydrogen – mantra for India's Decarbonization journey.

Targets for SDGs by NER 2021-2022

For achieving affordable and clean energy targets

By 2030 double the rate of energy efficiency

By 2030 ensure acess to affordable, reliable and modern energy services by 2030

Increase sustainability share of renewable energy in global energy

Source:https://www.niti.gov.in/sites/default/files/202108/NER_SDG_Index_NITI_26082021.pdf

State/ Source-wise Installed Capacity of Grid Renewable Energy in NER

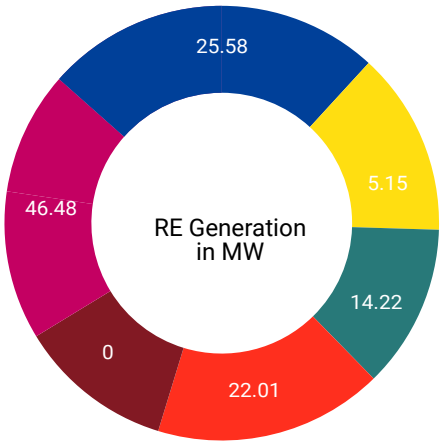
(As on 30.06.2021)

States	Small Hydro Power	Wind Power	Bio Power	Solar Power	Cumulative Installed Capacity in MW
Arunachal Pradesh	131.11	-	-	5.61	136.72
Assam	34.11	-	2.00	59.15	95.26
Manipur	5.45	-	-	6.36	11.81
Meghalaya	32.53	-	13.80	0.19	46.52
Mizoram	36.47	-	-	1.53	38.00
Nagaland	30.67	-	-	1.00	31.67
Sikkim	52.11	-	-	0.07	52.18
Tripura	16.01	-	-	9.41	25.42
NER	**338.46**	**0.00**	**15.80**	**83.32**	**437.58**

Source: Lok Sabha Unstarred Question No.639 dated 22.07.2021

State wise Renewable Energy Generation from Small Hydro Power Stations in NER

(June-November, 2021)

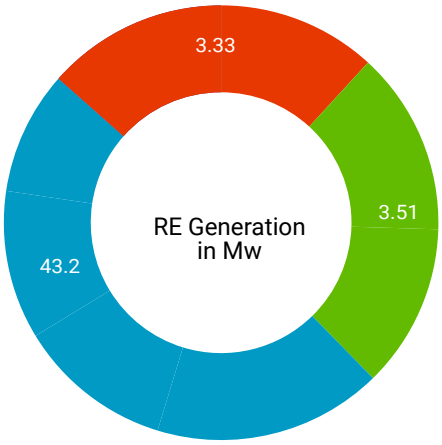


NER - 113.03

Nagaland Assam Meghalaya Mizoram Sikkim Tripura

State wise Renewable Energy Generation from Solar Power Stations in NER

(June-November, 2021)



NER - 49.18

Manipur Tripura Assam

Note: Figures given in the table indicates RE generation of all power stations in MW (Central, State & Private Sector);

Source: Ministry of Power, Govt. of India

Sustainable Energy Initiatives by agencies in NER

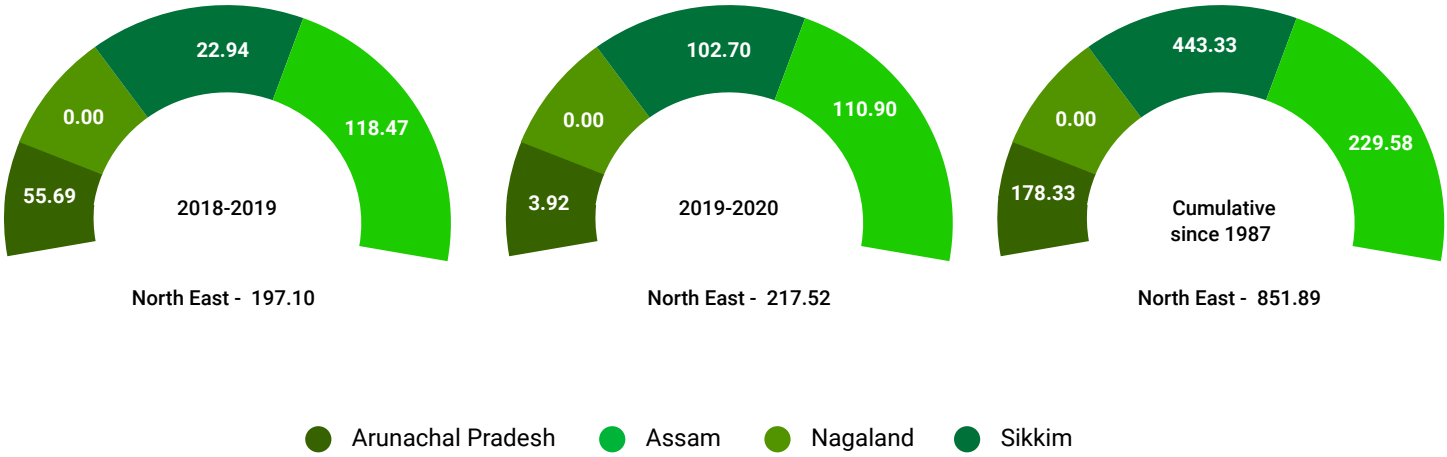
Sl No.	Implementing Agency	Initiatives	No. of projects in pipeline	Source
01	NEC	Hydro/ thermal projects contributing to 30% of current installed capacity	07	https://necouncil.gov.in/nec-project-sector/power-and-renewable-resources-energy
02	NEEPCO	Generation of approximately 5193 MW power from renewable energy	20	https://neepco.co.in/power-generation/projects-in-pipeline

Source: Ministry of Power, Govt. of India

Note: Figures given in the table indicates RE generation of all power stations in MW (Central, State & Private Sector);

Source: https://www.thethirdpole.net/en/energy/northeast-india-leads-countrys-solar-revolution/

State-wise Loan Disbursment by NER Renewable Energy Development Agency (IREDA) in NER (2021) (Amt in Crores)



Source: Ministry of New and Renewable Energy, Govt. of India

State wise estimated potential of Renewable power in NER (2021)

States	Wind Power	Small Hydro Power	Biomass Power	Cogeneration Bagasse	Waste to Energy	Solar	Total	Distributiom in Percentage
Arunachal Pradesh	-	2064.9	8.0	-	-	8650	10722.9	0.98
Assam	-	202.0	212.0	-	8.0	13760	14182	1.29
Manipur	-	100.0	13.0	-	2.0	10630	10745	0.98
Meghalaya	-	230.1	11.0	-	2.0	5860	6103.1	0.56
Mizoram	-	168.9	1.0	-	2.0	9090	9261.9	0.84
Nagaland	-	182.2	10.0	-	-	7290	7482.2	0.68
Sikkim	-	266.6	2.0	-	-	4940	5208.6	0.47
Tripura	-	46.9	3.0	-	2.0	2080	2131.9	0.19
NER	**-**	**3261.6**	**260.0**	**-**	**16**	**1662300**	**65837.6**	**5.99**

Source: Ministry of Statistics and Programme Implementation, Govt. of India

Note: Figures given in the table indicates RE generation of all power stations in MW (Central, State & Private Sector);