

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION NO. 99
TO BE ANSWERED ON 21.07.2025

Climate -related International Investments and Collaborations

99. SHRI P C MOHAN:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) the details of climate-related investments and collaborations undertaken with foreign Governments and multilateral institutions such as the Green Climate Fund (GCF) and Global Environment Facility (GEF) during the last five years;
- (b) whether any specific climate finance agreements related to urban climate resilience, clean mobility or renewable energy have been implemented in the State of Karnataka, particularly in Bengaluru and if so, the details thereof;
- (c) the involvement of private sector entities and startups in climate finance and technology partnerships and whether any firms based in Bengaluru have been part of such initiatives and if so, the details thereof;
- (d) the total quantum of climate finance disbursed during the last five years and the key sectors that have received support under these funds disbursement; and
- (e) the roadmap for enhancing access to climate finance for States, Urban Local Bodies and startups, including measures to attract future green investments in critical sectors?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI KIRTI VARDHAN SINGH))

- (a) to (e) India engages with the multilateral Green Climate Fund (GCF) and the Global Environment Facility (GEF). Under GCF, thirteen (13) projects have been approved so far in the result areas including health, food, and water security; Livelihoods of people and communities, Infrastructure and built environment, Energy generation and access, Buildings, cities, industries and appliances, Transport & Forest and land use. The details of the projects are attached as *Annex I*.

The GEF addresses global environmental challenges in areas such as biodiversity, climate change, land degradation, international waters, and chemicals and waste. The details of GEF projects under the climate change focal area approved during the last five years are attached as *Annex II*.

Karnataka is one of the States covered for the GEF-7 project “Improving thermal energy efficiency in the design, manufacture and operation of industrial boilers for low-carbon

micro-, small and medium-sized enterprises in India” executed by the Ministry of Micro, Small and Medium Enterprises (MSME).

The GCF actively mobilizes private sector investment for climate projects in developing countries through various mechanisms, including blended finance and co-financing opportunities. GCF utilizes a mix of financial instruments like grants, concessional loans, equity, and guarantees to leverage private capital and mitigate risks, thereby encouraging greater private sector participation in climate action. For the GCF funded programme “Line of Credit for Solar rooftop segment for Commercial, Industrial and Residential Housing sectors” approved in 2018, Karnataka was identified as one of the States.

In addition to that, the Ministry of Environment, Forest, and Climate Change (MoEFCC) has supported State Action Plan on Climate Change (SAPCC) for Karnataka by providing grant of INR 20 Lakh during 2019-2022.

India’s climate action is executed in various sectors by the Departments/Ministries concerned through the normal budgeting process. The States, Urban Local Bodies and startups have the discretion to engage with the multilateral funds like the GCF and GEF as per their requirement.

Annex I

S.N.	Project/ Programmes	Year of approval	GCF Funding (in USD)
1.	Ground Water Recharge and Solar Micro Irrigation to Ensure Food Security and Enhance Resilience in Vulnerable Tribal Areas of Odisha	2017	34,357,000
2.	Enhancing climate resilience of India's coastal communities	2018	43,418,606
3.	Line of Credit for Solar rooftop segment for commercial, industrial and residential housing sectors	2018	100,000,000
4.	Green Growth Equity Fund (GGEF)	2021	137,000,000
5.	India E-Mobility Financing Program	2022	200,000,000
6.	Climate Investor Two	2022	145,000,000
7.	Green Guarantee Company ("GGC")	2022	40,500,000
8.	Climate Investor One	2023	100,000,000
9.	Project GAIA ("GAIA")	2023	152,500,000
10.	Avaana Sustainability Fund	2024	24,500,000
11.	Financing Mitigation and Adaptation Projects (FMAP) in Indian MSMEs	2024	215,600,000
12.	GCF-IFC Scaling Resilient Water Infrastructure (RWI) Facility	2024	258,000,000
13.	India Green Finance Facility (IGFF)	2025	200,000,000

Annex II

Sl. No.	Title	GEF Period	Focal Areas	States Covered	Executing Agency	GEF Grant in USD
1.	Promotion of Sustainable Food Systems in India through Transforming Rice-Wheat Systems in Punjab, Haryana, Odisha and Chhattisgarh	GEF – 7*	Climate Change	Punjab, Haryana, Odisha and Chhattisgarh	Ministry of Agriculture and Farmers' Welfare (MoAFW)	2,03,66,973
2.	Capacity-building for establishing an Integrated and Enhanced Transparency Framework for Climate actions and support measures	GEF - 7	Climate Change	Pan India	Ministry of Environment Forest and Climate Change (MoEFCC)	38,00,000
3.	Livable Cities in India: Demonstrating Sustainable Urban Planning and Development through Integrated Approaches	GEF - 7	Climate Change	Tamil Nadu, Pune, Surat	Ministry of Housing and Urban Affairs (MoHUA)	1,72,15,652
4.	Electrifying Mobility in Cities: Investing in the Transformation to Electric Mobility in India	GEF - 7	Climate Change	Maharashtra, Tamil Nadu, UP, Himachal Pradesh, Assam	Energy Efficiency Services Ltd. (EESL), National Institution for Transforming India (NITI) Aayog	53,66,976
5.	Accelerating adoption of super-efficient technologies for sustainable thermal comfort in buildings in India	GEF - 7	Climate Change	UP, WB, Telangana	Bureau of Energy Efficiency, Ministry of Power, Ministry of Environment Forest and	44,84,357

Sl. No.	Title	GEF Period	Focal Areas	States Covered	Executing Agency	GEF Grant in USD
					Climate Change (MoEFCC)	
6.	Seventh Operational Phase of the GEF Small Grants Programme in India	GEF - 7	Climate Change	TN, Maharashtra, Assam, Meghalaya, MP	The Energy and Resources Institute (TERI), MoEFCC	44,74,886
7.	Preparation of India's Fourth National Communication (4NC) and Fourth Biennial Update Report (BUR4) to the UNFCCC and strengthening institutional and analytical capacities on climate change.	GEF - 7	Climate Change	Pan India	Ministry of Environment Forest and Climate Change (MoEFCC)	45,66,000
8.	Improving thermal energy efficiency in the design, manufacture and operation of industrial boilers for low-carbon micro-, small and medium-sized enterprises in India	GEF - 7	Climate Change	Maharashtra, Telangana, Gujarat, Haryana, Karnataka	Ministry of Micro, Small and Medium Enterprises (MSMEs)	26,64,690
9.	Preparation of India first Biennial Transparency Report (BTR)	GEF - 7	Climate Change	Pan India	Ministry of Environment, Forest and Climate Change	18,16,500
10.	Transforming Andhra Pradesh aquaculture to a sustainable, reduced footprint and climate resilient food system	GEF-8**	Climate Change	Andhra Pradesh	Ministry of Agriculture and Farmers' Welfare (MoA&FW)	1,46,66,666

Sl. No.	Title	GEF Period	Focal Areas	States Covered	Executing Agency	GEF Grant in USD
11.	Enabling resilience of livestock keepers through integrated landscape management	GEF-8	Climate Change	Uttar Pradesh, Uttarakhand	Ministry of Agriculture and Farmers' Welfare (MoA&FW)	99,00,000
12.	Preparing India's 2nd & 3rd Biennial Transparency Reports (BTR 2&3)	GEF-8	Climate Change	Pan India	Ministry of Environment, Forest and Climate Change	53,65,500

*Time period of GEF-7: July 1, 2018 and June 30, 2022

**Time period of GEF-8: July 2022 to June 2026