

**GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO. 3123
ANSWERED ON 19/03/2025
CENTRES OF EXCELLENCE (COES)**

3123. SHRI B K PARTHASARATHI:

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) the details of the total number of Centres of Excellence (CoEs) established under the National Mission on Strategic Knowledge for Climate Change (NMSKCC) along with the funds allocated and released to them, State-wise;**
- (b) the number of technology watch groups created under the Mission along with their area of research, location-wise;**
- (c) the number of proposals received and approved for supporting Research and Development (R&D) under the scheme along with the area of interventions where such R&D projects are focused, location-wise; and**
- (d) the amount of funds allocated and disbursed for the such R&D projects; project and year-wise?**

ANSWER

**MINISTER OF STATE (INDEPENDENT CHARGE) OF THE
MINISTRY OF SCIENCE AND TECHNOLOGY AND EARTH SCIENCES
(DR. JITENDRA SINGH)**

विज्ञान और प्रौद्योगिकी तथा पृथ्वी विज्ञान मंत्रालय के राज्य मंत्री (स्वतंत्र प्रभार)

(डॉ. जितेंद्र सिंह)

(a) The Department of Science and Technology (DST) has established Thirteen (13) Centres of Excellence (CoEs) in the last 10 years under the National Mission on Strategic Knowledge for Climate Change (NMSKCC). The State-wise details of these Centres of Excellence (CoEs) along with the funds allocated and released are placed at Annexure-I.

(b) A total of nine (9) Global Technology Watch Groups (GTWGs) have been created under the National Mission on Strategic Knowledge for Climate Change (NMSKCC). The location-wise details of supported GTWGs along with their area of research are mentioned in Annexure-II.

(c) to (d): The total number of proposals received and approved for supporting Major Research and Development are eight (8) in different areas of climate science and adaptation. The project and year-wise details of fund allocation and disbursement along with the area of interventions are mentioned in Annexure-III.

Annexure-I

S. No.	States	Institutes	Name of the CoEs	Fund allocated (Rs. in Cr.)	Released till 31st Dec. 2024 (Rs. in Cr.)
1	Delhi	Indian Institute of Technology Delhi, New Delhi	DST-Centre of Excellence in Climate Modeling	7.18	7.01
2		National Institute of Malaria Research, New Delhi	DST-Centre of Excellence for Climate Change and vector borne diseases	3.37	2.99
3		Indian Institute of Technology Delhi, New Delhi	DST-Centre of Excellence in Climate Modeling to Climate Information	4.21	1.5
4	Karnataka	Indian Institute of Science, Bengaluru	DST-Centre of Excellence in Cryospheric Sciences and Climate Modeling	8.54	3.83
5	Maharashtra	Indian Institute of Technology, Bombay, Mumbai	DST-Centre of Excellence in Climate Modeling and Adaptation	6.71	4.57
6		CSIR-National Environmental Engineering Research Institute (NEERI), Nagpur	DST-Centre of Excellence on Climate Change Research	3.72	1.6

S. No.	States	Institutes	Name of the CoEs	Fund allocated (Rs. in Cr.)	Released till 31st Dec. 2024 (Rs. in Cr.)
7	Tamil Nadu	Indian Institute of Technology Madras, Chennai	DST-Centre of Excellence in Climate Change Impacts on Coastal Infrastructure and the Adaptation Strategies	8.6	6.86
8		Tamil Nadu Agricultural University (TNAU), Coimbatore	DST-Centre of Excellence on Climate and Disaster Resilient Agriculture	7.29	3.18
9	Telangana	International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad	DST-Centre of Excellence on Climate Change Research for Plant Protection	7.04	6.55
10	Uttar Pradesh	Banaras Hindu University, Varanasi	DST-Mahamana Center of Excellence in Climate Change Research	8.44	7.75
11		University Allahabad, Prayagraj	DST-Centre of Excellence on Variability and Predictability of Indian Monsoon in a Changing Climate	5.77	3.84

S. No.	States	Institutes	Name of the CoEs	Fund allocated (Rs. in Cr.)	Released till 31st Dec. 2024 (Rs. in Cr.)
12		Indian Institute of Technology, Roorkee-Greater Noida Campus	DST-Centre of Excellence on Integrated Centre for Adaptation to Climate Change, Disaster Risk Reduction and Sustainability (ICARS)	6.72	1.39
13	West Bengal	Indian Institute of Technology Kharagpur, Kharagpur	DST-Centre of Excellence on Vulnerability and Risk Assessment due to various Environmental drivers in a Climate Change Scenario over Eastern India	6.9	5.31

S.No.	Institute with location	GTWGs with research areas
1.	Indian Institute of Science, Bengaluru, Karnataka	GTWG on Renewable Energy Technology (Solar Photovoltaics, Solar Thermal, Business Models and Policy, Storage and Integration)
2.	Indian Institute of Technology Delhi, New Delhi, Delhi	
3.	National Institute of Advanced Studies (NIAS), Bengaluru, Karnataka	
4.	Gujarat Energy Research and Management Institute (GERMI), Gandhinagar, Gujarat.	
5.	Indian Institute of Technology Madras, Chennai, Tamil Nadu	GTWG on Advance Coal Technology (Coal reserves, Coal mining, Coal beneficiation, Coal cleaning and refining technologies)
6.	Indian Institute of Technology Bombay, Mumbai, Maharashtra	
7.	Indian Institute of Technology Delhi, New Delhi, Delhi	
8.	Integrated Research and Action for Development (IRADe), New Delhi, Delhi	
9.	Technology Information, Forecasting and Assessment Council (TIFAC), New Delhi, Delhi	GTWG on Technology Monitoring & Policy (Energy efficiency, Green Forest, Sustainable habitat, Water, Sustainable Agriculture)

Annexure-III

S. No.	Institute with location	Area of interventions	Geographical coverage	Fund allocated (Rs. in Cr.)	Fund Disbursed Year Wise (Rs. in Cr.)								
					2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	
1	CSIR-National Botanical Research Institute, Lucknow, Uttar Pradesh	Adaptation strategies of rice varieties of Indo-Gangetic Plains to climate change	(Northern Region) Uttar Pradesh, Punjab, Haryana, Madhya Pradesh, Bihar, and Rajasthan	1.86	1.12		0.28	0.19	0.15				
2	ICAR-National Rice Research Institute, Cuttack, Odisha	Enhancing resilience of rice-based production systems to climate change	(Eastern Region) Odisha, West Bengal	2.39	1.47		0.33	0.34					

S. No.	Institute with location	Area of interventions	Geographical coverage	Fund allocated (Rs. in Cr.)	Fund Disbursed Year Wise (Rs. in Cr.)							
					2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
3	ICAR-Indian Agricultural Research Institute, New Delhi, Delhi	Agricultural productivity in climate change scenarios: impacts and adaptation pathways	(Bundelkhand Region) Jhansi, UP & Niwari, MP	2.32	0.96		0.48	0.46	0.34			
4	Tamil Nadu Agricultural University, Madurai, Tamil Nadu	Building Resilience of Climate Change and Improving Food Security through Climate Smart Solution (BRIFS)	(Southern Region) Tamil Nadu	2.41	1.01				0.64	0.68		
5	Indian Institute of Science, Bengaluru, Karnataka	Reversing Climate Change via Solar Geoengineering: Hydrological Impacts in India	Pan-India	2.38						0.88		0.55

S. No.	Institute with location	Area of interventions	Geographical coverage	Fund allocated (Rs. in Cr.)	Fund Disbursed Year Wise (Rs. in Cr.)								
					2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	
6	G.B. Pant National Institute of Himalayan Environment, Kosi-Katarmal, Almora, Uttarakhand	Development and Implementation of Working Frameworks for Climate Smart Village an Approach for Integrated Sustainable Rural Development	(Himalayan Region) Lahaul-Spiti, Himachal Pradesh and Mizoram	2.56								0.68	0.84
7	Indian Institute of Technology Gandhinagar, Gujarat	HydroClimate Extremes	Pan-India	2.81								1.61	
8	Sri Ramachandra University,	Chronic Kidney Disease of unknown etiology -	(Southern Region) Tamil Nadu	2.36									1.00

S. No.	Institute with location	Area of interventions	Geographical coverage	Fund allocated (Rs. in Cr.)	Fund Disbursed Year Wise (Rs. in Cr.)								
					2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	
	Chennai, Tamil Nadu	EXposure and Intervention Trial (CKDu-EXIT)											
