

Government of India
Ministry of Environment, Forest and Climate Change
(Research in Environment Division)

AGENDA

1st Meeting of the Steering Committee (SC) on Environmental Research and Development Programme.

Venue: Narmada Conference Hall, IPB

Date: 21st June, 2024 (Friday)

Time: 02:30 PM

Agenda Item No.1: Introductory remarks by Chairman, Steering Committee AS(NPG).

Agenda Item No.2: Project proposals which were recommended by the TFAC: (17)

Agenda Item No.3: Any other item(s) with permission of Chair.

Agenda Item No.2: Project proposals which were recommended by the TFAC (17):

S. No	Registration Number	Thematic Area	Name of PI and Address	Title of Project, Duration and Total Outlay	Page No.
2.1	636/2024/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr Vishakha Raina, Professor, School of Biotechnology, KIIT, Patia, Bhubaneswar	Bio prospecting and ecological survey of Chilika Lake metagenome for identification of new biocatalyst for industrial application Duration: 3 Years Total Outlay: ₹89,92,800/-	
2.2	555/2023/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Prof. Sumit Sen, Department of Hydrology, IIT Roorkee	Forest Ecosystem Assessment in the Western Himalayan Region: Integrated Approach for Sustainable Conservation and Management of Ecosystem Services. Duration: 03 Years Total Outlay: ₹2,00,77,030/-	
2.3	637/2024/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Randeep Singh, Associate Director, Amity Institute of Forestry and Wildlife, Amity University Uttar Pradesh Noida sector 125 Gautam Budha Nagar	Economic valuation of the Ecosystem Services provided by golden jackals and striped hyenas in and around Dholpur-Karauli Tiger Reserve and Kaila Devi Wildlife Sanctuary in Rajasthan. Duration: 03 Years Total Outlay: ₹ 69,39,440/-	
2.4	586/2023/RE	Sustainable Management of Natural Resources	Prof. Brijesh Kumar Yadav, Department of Hydrology, IIT Roorkee,	Comprehensive Assessment of Co-Transport of Microplastics and Heavy Metals during Groundwater-Surface water Interactions Duration: 3 Years Total Outlay: ₹ 49,42,000/-	

2.5	276/2020/RE	Sustainable Management of Natural Resources	Dr. Binu N. Kamalobhavan , Assistant Professor, Dept. of Forest Biology and Tree Improvement College of Forestry Kerala Agricultural University KAU PO	Natural distribution, ecological niche modelling, selection of CPTs, its evaluation and nursery production of sandal (Santalum album Linn.) Duration: 3 Years Total Outlay: ₹63,56,400/-	
2.6	668/2024/RE	Sustainable Management of Natural Resources	Prof. Archana Tiwari, Professor, Amity University, Noida, Uttar Pradesh	Potential of periphytic diatoms in the uptake of nutrients in eutrophic environments, and their subsequent applications as slow-release biofertilizer for sustainable environment Duration: 03 Years Total Outlay: ₹68,85,472/-	
2.7	600/2023/RE	Taxonomy	Dr. Pushp Lata, Lab No. 112 Department of Zoology, University of Delhi, Delhi	Integrated Ecological Profiling and Isolation of Thermozyms from High-Altitude Hot Springs in District Kinnaur, Himachal Pradesh, India: A Culturable and Unculturable Approach with SeqCode Taxonomy. Duration: 02 Years Total Outlay: ₹49,22,000/-	
2.8	410/2023/RE	Taxonomy	Dr. Vikas Kumar, Zoological Survey of India M Block, New Alipore, Kolkata	Molecular Taxonomy and Phylogeny of Terebrantia (Thysanoptera: Insecta) from India Duration: 3 Years Total Outlay: ₹57,98,280/-	
2.9	419/2023/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource	Dr. Kapil Kumar, National Institute of Technology, Delhi	Feasibility assessment of bioelectricity generation and optimization of substrate in coupled constructed wetlands for wastewater treatment Duration: 2 Years	

		Efficiency, Waste Minimisation and Management, etc		Total Outlay: ₹63,35,520/-	
2.10	644/2024/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Prof. Rakesh Kumar Soni, Chaudhary Charan Singh University, Meerut	Novel dyes synthesized from pet waste and their applications in industry Duration: 3 Years Total Outlay: ₹ 1,41,89,560/-	
2.11	70/2021/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Prof. A. Geetha Bhavani, Department of Chemistry, Noida International University, Noida	Converting waste cooking oil to Biodiesel Using Green Catalyst and Catalyst Regeneration Studies, Duration: 3 Years Total Outlay: ₹63,32,089/-	
2.12	557/2023/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Nitin Kumar Khandelwal, Department of Hydrology, IIT, Roorkee,	Devising eco-friendly redox-active nano composites micro reactors with enhanced contaminant selectivity for continuous water purification Duration: 3 Years Total Outlay: ₹25,76,000/-	
2.13	594/2023/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Atul Babbar, Dept. of Mechanical Engineering, Shree Guru Gobind Singh Tricentenary University, Gurugram	Vehicular pollution (exhaust and road-wheel dust) reduction; on road charging of electric vehicles; and overall energy saving Duration: 02 Years Total Outlay: ₹18,11,250/-	

2.14	364/2023/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. Geeta S. Joshi, Civil Engg. Dept. Faculty of Technology (The Maharaja Sayajorao University of Baroda), Rajmahal Road, Vadodara	Climate change adaptation model for water management and cropping practices in agro-climatic zone in the state of Gujarat Duration: 2 Years Total Outlay: ₹54,66,000/-
2.15	559/2023/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. Ashish Kumar, ICAR-National Institute for Plant Biotechnology, Lab No.- 12, LBS Building, Pusa Campus, New Delhi	Exploration, conservation and characterization of wild Brassica species for the development of genetic and genomic resources to uncover climate-resilient traits through integrated approaches Duration: 3 Years Total Outlay: ₹57,74,624/-
2.16	595/2023/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. Annam Pavan Kumar, ICAR-Central Institute of Fisheries Education, Panch Marg, Yari Road, Versova, Andheri West, Mumbai	Population Demography and Risk Assessment of Invasive South American Armoured Catfish Pterygoplichthys sp. in the Indian Freshwater Systems: A Way Forward for Sustainable Native Fish Diversity Duration: 3 Years Total Outlay: ₹85,34,080/-
2.17	625/2023/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. Rajeev Singh, Jamia Millia Islamia, Delhi	Airborne Microbial-contaminants in Delhi Slum Settlements: Isolation, Characterization, and Human Health Assessment. Duration: 03 Years Total Outlay: ₹49,72,800/-
