

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

AGENDA

2nd Meeting of the reconstituted Technical-cum-Financial Appraisal Committee (TFAC) on Environmental Research and Development Programme.

Venue: Teesta Conference Hall, IPB

Date: 04th -05th January, 2024

Time: 10.00 AM onwards

04th January, 2024

Agenda Item No.1: Introductory remarks by Chairman/ Member Secretary (10:00 AM to 10:15 AM).

Agenda Item No.2: Confirmation of Minutes of earlier 1st meeting of the reconstituted TFAC held on 12-13th October, 2023.(10:15 AM to 10:30AM)

Agenda Item No.3: Project proposals to be considered:

3.1 New project proposals received through online mode. (19)

Lunch Break (01:30PM to 2:00PM)

3.2 Project proposals which were referred to experts for comments.(03)

3.3 Proposals were could not be considered due to connectivity issues (07)

05th January, 2024

3.4 Review of the progress of the completed projects for acceptance of the Final Technical Report (FTR) under ERDP.(02)

Agenda Item No.4: Any other item(s) with permission of Chair.

Agenda Item No. 3.0

3.1 List of new projects received through online for Scrutiny and consideration:

S. No.	Registration Number	Name of PI and Address	Title of Project and Duration	Date and Time
3.1.1	473/2023/RE	Dr. Abesh Chakraborty, The Assam Royal Global University Betkuchi, Guwahati	Biosystematics Status of Flies of Medical and Veterinary Importance in Guwahati, Assam Duration:3 Years	04/01/2024 10:00 AM to 10:15 AM
3.1.2	527/2023/RE	Dr. Ravindra Fakirrao Pathre Arts Science and Commerce College Maharashtra	Microbiota in fruit piercing moths from Marathwada region of Maharashtra Duration:3 Years	04/01/2024 10:15 AM to 10:30 AM
3.1.3	450/2023/RE	Dr. Pooja Parmar Manav Rachna University Sector – 43, Aravalli Hill.	Pilot study for development of microbe-based degradation technology for agro-waste Duration:3 Years	04/01/2024 10:30 AM to 10:45 AM
3.1.4	364/2023/RE	Dr. Geeta S. Joshi The Maharaja Sayajirao University of Baroda, Vadodara	Climate change adaptation model for water management and cropping practices in agro-climatic zone in the state of Gujarat Duration:2 Years	04/01/2024 10:45 AM to 11:00 AM
3.1.5	547/2023/RE	Prof. K.K. N. Sharma Dr.Hari Singh Gour Vishwavidyalaya Sagar (M.P)	Study of Traditional knowledge and Practices among Particularly Vulnerable Tribal Group in Madhya Pradesh Duration:3 Years	04/01/2024 11:00 AM to 11:15 AM
3.1.6	562/2023/RE	Dr. Priyanka Naskar Institute of Rural and Social Development, West Bengal	Impact Analysis of integrated farming Approach including sustainable and efficient use of natural resources to conserve the ecosystem of Coastal forests in fringe areas of Sunderban in West Bengal Duration:3 Years	04/01/2024 11:15AM to 11:30 AM
3.1.7	410/2023/RE	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	04/01/2024 11:30AM to 11:45 AM
3.1.8	557/2023/RE	Dr. Nitin Kumar Khandelwal Indian Institute of Technology Roorkee,	Devising eco-friendly redox-active nano composites micro reactors with enhanced contaminant selectivity for continuous water purification	04/01/2024 11:45AM to 12:00 Noon

			Duration:3 Years	
3.1.9	548/2023/RE	Dr.Somnath Saha Community For Social Work, West Bengal.	Standardization and Demonstration Organic Technique System (OTS) For Sustainable Development Of The Coastal Ecosystem IN West Bengal On The Basis Of Socioeconomic & Environmental Impact Duration:3 Years	04/01/2024 12:00 Noon to 12:15PM
3.1.10	583/2023/RE	Dr. Kamna Srivastava Dr. B. R Ambedkar Centre for Biomedical Research, University of Delhi	Cadmium induced cardiotoxicity with environmental electronic Waste pollutant in soils from Delhi, NCR, India. Duration:3 Years	04/01/2024 12:15PM to 12:30PM
3.1.11	576/2023/RE	Dr. Arindam Biswas, IIT Roorkee.	Impact of Urban Air quality and Heat stress on Urban Quality of Life Duration:3 Years	04/01/2024 12:30PM to 12:45PM
3.1.12	555/2023/RE	Prof. Sumit Sen Indian Institute of Technology, Roorkee	Forest Ecosystem Assessment in the Indian Himalayan Region: Integrated Approach for Sustainable Conservation and Management of Ecosystem Services Duration:3 Years	04/01/2024 12:45PM to 01:00 PM
3.1.13	590/2023/RE	Dr.Bhanu Prakash Vellanki, IIT Roorkee.	Development of novel biodegradable multifunctional mulching film for sustainable and environmentally friendly agriculture practices. Duration:3 Years	04/01/2024 01:00PM to 01:15PM
3.1.14	559/2023/RE	Dr. Ashish Kumar ICAR-National Institute for Plant Biotechnology, 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	04/01/2024 01:15PM to 01:30PM
3.1.15	594/2023/RE	Dr.Atul Babbar 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:2 Years	04/01/2024 02:00PM to 02:15PM
3.1.16	558/2023/RE	Dr. Saravanan Pichiah	Full solar spectrum stimulated smart nanomaterials for direct	04/01/2024 02:15PM

		Indian Institute of Technology (ISM) Dhanbad Jharkhand	reduction of CO2 to valuable light weight gas phase hydrocarbon Duration: 3 Years	to 02:30PM
3.1.17	595/2023/RE	Dr. Annam Pavan Kumar Division of Fish Genetics and Biotechnology, Central Institute of Fisheries Education, Mumbai.	Genetic Diversity 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	04/01/2024 02:30PM to 02:45PM
3.1.18	506/2023/RE	Dr. S. Muthuvel Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankoil, Tamilnadu, India	Performance studies on Solar dryer for Domestic and agricultural farm use with thermal energy storage materials Duration: 3 Years	04/01/2024 02:45PM to 03:00 PM
3.1.19	550/2023/RE	Dr. Renu Singh, ICAR- Indian Agricultural Research Institute, Pusa	Advancement of bioplastic production from agro waste using nanotechnology Duration: 2 Years	04/01/2024 03:00 PM to 03:15 PM

3.2 Project proposals which were referred to experts for comments. (03)

S. No.	Reg. No., Title of Project & Name of the PI	Comments of TFAC	Date and Time
3.2.1	41/2020/RE Production of sustainable high impact strength and selfhealing paver blocks using industrial waste as a green concrete. Dr. Muthukannan, Deptt. of Civil Engg., Kailashlingam Academy of Research and Education, Madurai	This project was considered in 1 st meeting of reconstituted TFAC meeting. The observation of TFAC is as follows: As decided by the TFAC, the PI has submitted the revised proposal to the Ministry. The revised proposal has been placed before the TFAC for consideration. The TFAC after detailed deliberation has suggested to refer the revised proposal to the following experts for their comments: i. Dr. Rajesh Kumar, CBRI; and ii. Dr. R Mohana, Mepco Schlenk Engg. College.	04/01/2024 03:00PM to 03:15 PM
3.2.2	70/2021/RE Converting waste cooking oil to Biodiesel Using Green Catalyst and Catalyst Regeneration Studies. Prof. A. Geetha Bhavani, Prof & Head, Chemistry, Noida International University, Noida	This project was considered in 1 st meeting of reconstituted TFAC meeting. The observation of TFAC is as follows: As decided by the TFAC, the PI has submitted the revised proposal to the Ministry. The TFAC after detailed deliberation has suggested to refer the proposal to the following experts for their comments: i. Dr. P. Shanmugam, CLRI ii. Head, CES, Anna University iii. Director, IICT iv. Dr. Tara Prasad, Prof, Barkatullah University, v. Dr. P. Ramana , Prof and HOD Forest, Products and Utilization, College of Forestry, Sirsi.	04/01/2024 03:15PM to 03:30 PM
3.2.3	62/2021/RE Application of arsenic and chromium tolerant bacteria isolated from Gangetic plains of Bihar for environment cleaning and testing its bioremediation potential for welfare of human health. Prof.Akhilshwari Nath, S.S. Hospital and Research Institute, Patna	This project was considered in 1 st meeting of reconstituted TFAC meeting. The observation of TFAC is as follows: As decided by the TFAC, the PI has submitted the revised proposal to the Ministry. The TFAC after detailed deliberation has suggested to refer the proposal to the following experts for their comments i. Director, ITRC, Lucknow ii. Head, Civil, IIT, Roorkee iii. Director, IICT iv. MS, CPCB,	04/01/2024 03:30PM to 03:45 PM

3.3 Proposals were could not be considered due to connectivity issues:-

S. No.	Reg. No.	Name of PI and Address	Title of Project	Date and Time
1	201/2020/RE	Dr. Jagannath Roy Central University of South Bihar, Gaya.	Green Production of Nano-Concrete from Fly Ash and Construction Waste: Experimental studies, modelling through Artificial Intelligence and in-situ application.	05/01/2024 10:00 AM to 10:15 AM
2	228/2018/RE	K. Jayasankar, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram	An innovative eco-friendly recycling process for recovery of precious metals and other rare metals from e-waste.	05/01/2024 10:15 AM to 10:30 AM
3	123/2020/RE	Dr. S. Muthuvel Kalasalingam Academy of Research and Education Krishnankoil, Tamil Nadu	Some studies on usage of Phase Change Material on Thermal Comfort of buildings.	05/01/2024 10:30 AM to 10:45 AM
4	337/2020/RE	Dr. Angayarkanni J Bharathiar University, Coimbatore	Plausible role of Bacteriophages present in the High Altitude Himalayan River Waters.	05/01/2024 10:45 AM to 11:00 AM
5	307/2020/RE	Dr. R Zonunsanga Mizoram University Tanhril, Aizawl	Restoration of the Upper Reaches of River Teirei under the Dampa Tiger Reserve/Sanctuary using Biosystems Engineering.	05/01/2024 11:00 AM to 11:15 AM
6	276/2020/RE	Dr. Binu N. Kamalobhavan College of Forestry, Kerala	Natural distribution, ecological niche modelling, selection of CPTs, its evaluation and nursery production of sandal (<i>Santalum album</i> Linn.)	05/01/2024 11:15AM to 11:30 AM
7	153/2020/RE	Dr. M. Selvamurugan Agricultural College and Research Institute, Eacha.	Exploration of avifaunal diversity nexus with biotic and abiotic environment of Karaivetti Bird Sanctuary, Tamil Nadu towards developing of ecological resilience concepts for Conservation.	05/01/2024 11:30AM to 11:45 AM

3.4 Review of the progress of the completed projects for acceptance of the Final Technical Report (FTR) under ERDP:

S. No.	File No., Name of the PI and Title of the project	Remarks	Date and Time
3.4.1	F. No. 22018/45/2010-CS(TAX) "Hymenoptera: Apoidea, Part-I Meliponinae (Stingless bees), Bombinae (Bumble bees) and Xylocopinae (Carpenter bees) from North-East and North-Western Himalaya". Dr. M.S. Saini, Asian Educational Institute, Patiala	This project was considered in 1 st meeting of reconstituted TFAC meeting but PI could not attend the said meeting. The Committee advised the PI to present the findings before the Committee it in its next meeting. The Committee has also agreed to release the next instalment, if due on receipt of the required documents through proper channel from the project proponent.	05/01/2024 11:45AM to 12:00 Noon
3.4.2	19-112/2010-RE Sequential production of biodiesel, hydrogen and methane as a Bio-refinery Concept using Leather Solid waste and effluent Treatment Sludge's. Dr. P. Shanmugam, CLRI, Chennai.	This project was considered in 1 st meeting of reconstituted TFAC meeting but PI could not attend the said meeting. The Committee Suggested the PI to present the findings before it in its next meeting.	05/01/2024 12:00 Noon to 12:15PM
