

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

AGENDA

2nd Meeting of the Steering Committee (SC) on Environmental Research and Development Programme.

Venue: Satluj Conference Hall, IPB

Date: 21st November, 2024

Time: 03:00 PM onwards

Agenda Item No.1: Introductory remarks by Chairman, Steering Committee.

Agenda Item No.2: Confirmation of the Minutes of the Meeting of 1st Steering Committee held on 21.06.2024

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

3.1 Project proposals having 02 year duration recommended by the TFAC: 03

3.2 Project proposals having 03 year duration recommended by the TFAC: 03

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

Agenda Item No.3: Project proposals having 02 years duration which were recommended by the TFAC (03):

S. No	Registration Number, Thematic Area	Name of PI, Address and Title of Project	Duration, Total Outlay and Recommendations	Remarks
1.	539/2023/RE Pollution Prevention – Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. R Mohana, MepcoSchlenk Engineering College, Sivakasi. Automated Sustainable Lifecycle Assessment system to promote the developed cementless eco-friendly precast panels.	Duration: 02 Years Total Outlay: ₹24,19,310/- The proposal was presented by the PI before the TFAC. The committee observed that the proposed study is good and well written. Objectives are clear and the methodologies are appropriate. After detailed deliberations, the Committee recommended the proposal for funding from the Ministry.	The said project was considered in the 5 th Meeting of the TFAC held on 05-06 th September, 2024. 5 th TFAC has recommended. It may be placed before Steering Committee.
2.	678/2024/RE Pollution Prevention – Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Prof. Manoj Kumar Ghosal, Socio Cultural Development Centre, Odisha Technology Development for Conversion of Tender Coconut Waste to Bio-coal as an Energy Rich and Smokeless Cooking Fuel for Rural Applications in Puri District of Odisha.	Duration: 02 Years Total Outlay: ₹58,76,450/- The proposal was presented by the PI before the TFAC. The Committee observed that the proposed study is related to technology development for conservation of tender coconut waste to bio-coal as an energy rich and smoke less cooking fuel. The project is good and well written, objectives as well as the methodology are clear. After detailed deliberations, the Committee recommended the proposal for funding for a period of two-year duration as per the guidelines.	The said project was considered in the 5 th Meeting of the TFAC held on 05-06 th September, 2024. 5 th TFAC has recommended. It may be placed before Steering Committee.
3.	712/2024-RE	Dr. Nitin Savant, Asstt. Prof., Department of Zoology, Goa University, Goa Evaluation ecosystem functioning using Herpetofauna as a model system in	Duration: 02 years Total Outlay: -50,99,184/- The PI presented the proposal before the TFAC. Based on the presentation, the Committee observed that the proposal is good and well written. Objectives are clear and the methodology is	The said project was considered in the 4 th Meeting of the TFAC held on 18-19 th June, 2024. 5 th TFAC has recommended. It may be placed before Steering Committee.

		Goa and adjoining areas.	<p>appropriate. After detailed deliberations, the Committee suggested that PI should focus only on one defined ecosystem i.e. Plateau, Coastal Wetland only and the budget may be revised accordingly and directed for submission for revised proposal to the Ministry for further consideration.</p> <p>Again, it was considered in the 5th Meeting of the TFAC, The TFAC was appraised by the Member Secretary that the recommendations of the Committee were communicated to the PI and the proposal has been revised accordingly. The revised proposal along-with revised budget was discussed in detail. After detailed deliberations, the revised proposal has been recommended for funding for a period of two-year duration by the Committee.</p>	
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Agenda Item No.3: Project proposals having 03 years duration which were recommended by the TFAC (03):

S. No	Registration Number, Thematic Area	Name of PI, Address and Title of Project	Duration, Total Outlay and Recommendations	Remarks
1.	724/2024/RE* Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Prof. Nabeel Ahmad, Dev Bhoomi Uttarakhand University. Cataloging of potential microbial communities and development of nano-sensor for ecosystem across Himalayan Sulfur springs Sahastradhara, Uttarakhand	Duration: 03 Years Total Outlay: ₹ 51,31,000/- PI although present in the meeting, was unable to present the proposal due to he being ill, Thus Co-PI requested the Chairman to allow her to present the proposal. The Chairman permitted the Co-PI to present the proposal. Co-PI presented the proposal before the TFAC. The Committee observed that the	The said project was considered in the 4 th Meeting of the TFAC held on 18-19 th June, 2024. 4 th TFAC recommended for 03 Years. It may be placed before Steering Committee.

			<p>proposal is important and well written. Objectives are clear and the methodology is appropriate. After detailed deliberations, the Committee recommended the proposal for funding for a period of three years with the followings budgetary provisions:</p> <ul style="list-style-type: none"> - JRF-1; - Equipment - ₹13.00 lakh (high end server); - Consumable- ₹6.00 lakh @₹2.0 lakh per year; - Travel-₹1.0 lakh @₹0.4, 0.3 and 0.3 lakh per year; - Contingency (5%) and Institutional Charges (15%) of the total cost (As per the existing norms/rules of the Ministry). 	
2.	814/2024/RE * Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	<p>Dr. T Ramanathan, Prof., CASMB, Annamalai University, Parangipettai.</p> <p>Establishment of Mangrove Gene bank for Germplasm Conservation in South east coast of India for climate change mitigation</p>	<p>Duration: 03 Years Total Outlay: ₹ 65,94,200/-</p> <p>The PI presented the proposal before the TFAC. The Committee observed that the proposal is good and well written. Objectives are clear and the methodology is appropriate. After detailed deliberations, the Committee recommended the proposal for funding for a period of three years with the followings budgetary provisions:</p> <ul style="list-style-type: none"> - JRF-2, Field Assistant-1; - Equipment - ₹13.00 lakh (Gene analyser, Electrophoresis unit and Thermal Cyler); - Consumable- ₹8.00 lakh @₹3.0, 3.0 and 2.0 lakh per year; - Travel-₹6.0 lakh @₹2.0 lakh per year; - Contingency (5%) and Institutional Charges (15%) of the total cost (As per the existing norms/rules of the 	<p>The said project was considered in the 4th Meeting of the TFAC held on 18-19th June, 2024.</p> <p>4th TFAC recommended for 03 Years. It may be placed before Steering Committee.</p>

			Ministry).	
3.	558/2023/RE* Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. Saravanan Pichiah, Indian Institute of Technology (ISM), Dhanbad. Full solar spectrum stimulated smart nanomaterials for direct reduction of CO2 to valuable light weight gas phase hydrocarbon.	Duration: 3 Years Total Outlay: ₹48,23,250/- The proposal has been presented by the PI before the TFAC. The TFAC has observed that the proposal is good and well written. Objectives are clear and the methodology is focused. The Committee suggested that the proposal may be recommended for funding from the Ministry subject to the procurement of proposed Gas Chromatography as per norms of the Government of India.	The said project was considered in the 2 nd Meeting of the TFAC held on 04-05 th January, 2024. The acceptance of the PI has been received on 30.10.2024. 2 nd TFAC recommended for 03 Years. It may be placed before Steering Committee.