

**Government of India**  
**Ministry of Environment Forest & Climate Change**  
**(Research in Environment)**

**AGENDA FOR 9<sup>th</sup> Meeting of the Technical & Financial Appraisal Committee (TFAC)**  
**on R&D Scheme for Conservation & Development**

**Date: 18.11.2019 (Monday)**

**Venue:** Indus Conference Hall, Jal Wing, Ground Floor, Indira Paryavaran Bhawan, New Delhi

**Time: 10.30 AM onwards**

**1.0** Confirmation of Minutes of 8<sup>th</sup> TFAC meeting held on 26.09.2019

**2.0** **Projects to be considered:**

**I RECONSIDERATION OF R&D PROJECTS RECEIVED ONLINE UNDER NEW R&D SCHEME:**

S. N.	Registration No.	Thematic Area	Title of project	Details of P.I.
1.	70/2018/RE	Solid Waste Management	Municipal Waste Recycling A Model for Sustainable Energy and Clean Products – Application of AI and Institutional Policy for MSWM (Application of Modern Methods in Municipal Solid Waste Management Services relevant for situation in India)	Prof R. Murugesan, Department of humanities and social sciences, National Institute of Technology, Tiruchirapalli 620 015
2.	398/2018/RE	Solid Waste Management	Development of low energy-low carbon ECO cementitious binders via synergistic use of low graded industrial wastes for sustainable development	Presentation by Er. Rajesh Kumar, CSIR Central Building Research Institute, Roorkee and to consider his representation received vide email dated 14.10.2019
3.	275/2018/RE	Wildlife Conservation	Tracking and assessment threats of highly critically endangered scaly giant ( <i>Manis pentadactyla</i> ) with special reference to sensitization of local communities for its long-term conservation in north-eastern states of India	Dr Janmejay Sethy, Assistant Professor, Amity Institute of Forestry and Wildlife, Amity University, Gautam Budhh Nagar, Noida 201303, Uttar Pradesh

**II RECONSIDERATION OF R&D PROJECTS OF OLD R&D SCHEME:**

S. N.	File No.	Thematic Area	Title of project	Details of P.I.
1.	F.No.19-72/2014-RE	Water Pollution	“Dairy Wastewater treatment using pilot –scale hybrid sub-surface Constructed Wetland systems operating under different recirculation rates”	Dr.Pradeep Sharma, Graphic Era University, Dehradun 248002
2.	F.No.14/87/2014-RE	Biodiversity Conservation	“Fish community structure and patterns of diversity along impacted and unimpacted streams of Vindhya and Satpura hill ranges, Central India”	Dr.Anuradha Bhat Indian Institute of Science Education and Research-Kolkata, Mohapur Campus, Viswavidyalaya, Mohanpur 741252, Nadia, West Bengal

3.	F.No.14/34/2014-ERS/RE	Ecosystem & Landscape Conservation	“Patterns of tree cavity occurrence and use by vertebrates in tropical forests of the Western Ghats: a community web approach and its implications in forest management”	Dr.P.Balakrishnan, Division of Conservation Biology, Jawaharlal Nehru Tropical Botanic Garden & Research Institute, Palode, Thiruvananthapuram-695562, Kerala
4.	F.No.14/122/2013-RE	Biodiversity Conservation	“Diversity and microhabitat utilization pattern of spiders in Satpuda landscape”	Dr.Atul Keshava Rao Bodke J.D.Patil Sangludkar Mahavidyalaya Daryapur, Maharashtra 444803
5.	F.No.14/16/2013-RE	Biodiversity Conservation	“Reproductive biology of Scleractinian corals in Andaman and Nicobar Islands”	Dr.C.Raghunathan, ZSI Andaman and Nicobar Regional Centre, Port Blair 744102
6.	F.No.19-56/2013-RE	Air Pollution	“Impact of Environmental Bioaerosol Pollution on Human Health: A “case-control study”for Exacerbation of COPD in North Indian Population”	Dr.Chirashree Ghosh, Department of Environmental Studies, University of Delhi 110007
7.	F.No.14/13/2013-ERS/RE	Ecosystem & Landscape Conservation	“Assessment of Anthropogenic pressure and its impact on Forest and Grassland Ecosystem of Dachigam National Park, J&K India”	Dr. Azra Musavi, Department of Economics, Aligarh Muslim University, Aligarh 202001
8.	F.No.24/06/2010-RE	Sustainable Development	“Integrated Farming System in Degraded Coastal Land Areas of West Bengal and its Socio-Economic and Environmental Impact on the People”	Prof. Kalyan Bhattacharjee (PI)/ Shri Somnath Saha (Co-PI) (Tentative), Community for Social Work, 84 Rabindra Pally, Shyam-Nagar, North 24 Parganas, West Bengal 743127
9.	F.No.14/41/2014-RE	Biodiversity Conservation	“Studies on the moth fauna of Pachmarhi Biosphere Reserve – an assessment of the species richness, relative abundance and distribution as environmental indicators”	Dr.S.Sambath (Tentative) Central Zone Regional Centre, Zoological Survey of India, Scheme No.05, Plot No.169, Vijay Nagar, Jabalpur, Madhya Pradesh 482002
10.	F.No.14/8/2014-RE	Ecosystem & Landscape Conservation	“Exploration of Biodiversity and Conservation issues of Talley Valley Wildlife Sanctuary, Arunachal Pradesh with reference to wildlife species distribution along climate and topographical gradients”	Dr.Ashalata Devi (Tentative), Assistant Professor, Dept. of Environment Science, Tezpur University, Napaam, Tezpur, 784028 Assam

**Internal Consideration of projects of Old R&D Scheme:**

11.	F.No.19-116/2008-RE	Solid Waste Management	Utilization of soil macro and microorganism for the decomposition of cellulosic waste materials	Dr.M.Vasanthy, Dept of Environment Biotechnology, School of Environment Sciences, Bharathidasan University, Tiruchirapalli 620024
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12.	F.No.14/27/2010-ERS/RE	Biodiversity	Habitat Ecology and Species Diversity of <i>Cordyceps</i> in district Pithoragarh, Central Himalaya	Dr.Chandra Singh Negi, Department of Zoology, LSM Government Post Graduate College, Pithoragarh (Uttarakhand)
13.	F.No.14/16/2006-RE	Biodiversity	Floristic studies on Macrophytic diversity of Nameri National Park (Assam) and Pakke Tiger Reserve (Arunachal Pradesh)	Dr.Nilakshi Devi, , Lecturer Deptt. of Botany Guwahati University Guwahati-7891014
14.	F.No.19-29/2011-RE	Water Pollution	STREAT- Sustainable Semi-Dcentralized Sewage Treatment- Wastewater Reuse, Nutrient Recovery and Biogas production in the Delhi Metropolitan Area	Dr. Mukesh Khare, IIT, New Delhi 110016
15.	F.No 14/257/2013	Biodiversity	Aquatic Fungal Diversity of Hill Streams of Hiamchal Pradesh – Monographic Study and Its in-vitro Screening for Lignocellulotic Enzymes.	Dr.I.B.Parasher, Professor, Dept of Botany, Panjab University, Chandigarh – 160014.
16.	F.No.19-22/2011-RE	Pollution	Validation of Soil Amendments and Microbial Culture in reducing pesticides residues in Soil, Crops, and ground water under field conditions	Dr.Anjana Srivastav, Deaprtment of Chemistry, Collge of Basic Science & Humaties, GB Pant Univeristy of Sgriculture & Technology, Pantnagar, Uttarakhand
17.	F.No. 23/23/2012-RE	Biodiversity	Conservation of Seven RET medicinal plants of the Western Ghats through standardisation of seed and seedling identification, germination, species restoration, seed and field gene banking	Dr.C Anil Kumar, Senior Scientist, Cosnervation Biology Division, JNTGBRI, Thiruvananthapuram, Kerala
18.	F.No.19-183/2013-RE	Pollution	Nanno-bioremediation of Textile Industrial Effluents in Tiruppur District, Tamil Nadu.	Dr.P.Jegathambal, Prof., Water Institute, Karunya University, Coimbatore, Tamil nadu

**3.0** Draft OM on Revised Emoluments for Junior Project Fellow and Senior Project Fellow engaged for projects of MoEFCC and its Institutions and Offices

#### **4.0 Any Other Matter with the Permission of the Chair**

##### **Correction in Minutes of 4<sup>th</sup> TFAC meeting held on 29.05.2019.**

**4.1.** F.No.14/8/2013-RE) “Genetic Diversity analysis and conservation of Threatened *Salvadora oleoides*” by Dr. Maneesh Singh Bhandari, Division of Genetics and Tree propagation, Forest Research Institute, Dehradun

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