

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

**AGENDA FOR 8<sup>th</sup> Meeting of the Technical & Financial Appraisal Committee (TFAC)**  
**on R&D Scheme for Conservation & Development**

**Date: 26.09.2019 (Thursday)**

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

**Time:** 10.30 AM onwards

Confirmation of Minutes of 7<sup>th</sup> TFAC meeting held on 04.09.2019.

**2.0 Projects to be considered:**

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

<b>S. N.</b>	<b>Registration No.</b>	<b>Thematic Area</b>	<b>Title of project</b>	<b>Details of P.I.</b>
1.	24/2018/RE	Wildlife Conservation	Spatial mapping and change analysis of Elephant habitat and corridors in Sathyamangalam Tiger Reserve using remote sensing and GIS for conservation and management	Dr. S Jayakumar, Professor, Department of Ecology and Environmental Sciences, School of Life Sciences, Pondicherry University (A Central University), Puducherry
2.	95/2018/RE	Conservation of Ecosystems -Assessment of Ecosystem Services	Assessment of Ecosystem Services from Manas National Park, Assam	Shri Ajay Kumar, Scientist C, Forest Ecology and Climate Change Division, Rain Forest Research Institute, Deovan estate, Sotai Ali, A.T. Road (East), Jothat, Assam
3.	152/2018/RE	Waste Management	Design and Implementation of an UAV-based Platform for Environment Quality monitoring and data analysis using Deep Learning at Solid Waste Disposal Sites	Dr. R. Rani Hemamalini, Professor and Head, Department of Electrical and Electronics Engineering, St. Peters Institute of higher Education and Research (Deemed University of UGC), Avadi, Chennai 600 054
4.	151/2018/RE	Waste Minimisation	Assessment of LFG recovery, utilization and reduction in GHG emission at Madurai Landfill site, Tamil Nadu, India.	Dr.D.Brindha, Department of Civil Engineering, Thiagarajara College of Engineering (Anna University), Madurai 62510
5.	40/2018/RE	Conservation of Ecosystems & Landscapes	Emerging infectious disease in birds across a gradient of alien invasive trees mapped using Remote Sensing, on Shola Sky Islands	Dr. Robin Vijayan, Indian Institute of Science Education and Research Tirupati
6.	317/2018/RE	Biodiversity Conservation	Ecological assessment of endemic and threatened laughingthrushes of the Western Ghats to develop conservation plan for securing their population and habitats	Dr. S. Babu, Senior Scientist, Salim Ali Centre for Ornithology and Natural History, Coimbatore
7.	313/2018/RE	Biodiversity Conservation	Population Status, Ecology, and Conservation of the Indian Swiftlet Aerodramus unicolor in the Western Ghats, West Coast and Offshore Islands of Maharashtra	Dr. Manchi Shirish S., Senior Scientist, Salim Ali Centre for Ornithology and Natural History, Coimbatore

8.	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 Janmejy Sathy, Amity University, Gautam Budhh Nagar, Noida 201303
9.	249/2018/RE	Biodiversity Conservation	Assessment of the status of endemic and threatened plants across the protected areas of Arunachal Pradesh	Dr. Navendu Page, Scientist C, Department for Habitat Ecology, Wildlife Institute of India, Dehradun.
10.	247/2018/RE	Ecosystem Conservation	Quantification of Plastic debris in the Costal Ecosystem of Gulf of Kachchh Marine Protected Area (GOKMPA) and assessing the Environmental Damage	Dr. Anju Baroth Scientist C, Department for Habitat Ecology, Wildlife Institute of India, Dehradun.
11.	250/2018/RE	Ecosystem Conservation	Ecological impacts of major Invasive Alien Species on native flora in Pakke Tiger Reserve, North-East India	Dr.Amit Kumar, Scientist C, Dept. of Protected Area Network, Wildlife Institute of India, Dehradun.

## II CONSIDERATION OF ON-GOING PROJECTS UNDER OLD R&D SCHEME:

S. N.	File No.	Thematic Area	Title of project	Details of P.I.
12.	19-68/2012-RE	Pollution Prevention	Development of Hybrid nanomaterials – based water filters for affordable potable water	Dr. V. Alexander, Department of Chemistry, Loyola College, Chennai
13.	19-79/2013-RE	Water Pollution	Remediation of Ground Water Contaminated with Hexavalent Chromium in Sukinda Valley, Odisha, Using Nano Zero Valent Iron (n-ZVI) Technology	Dr. Alok Sinha, Centre of Mining Environment, Indian School of Mines, Dhanbad
14.	19-20/2012-RE	Waste Minimisation	Machining and Erosion studies of Red mud an Industrial waste-based Polymer matrix Composite	Dr. M. Uthayakumar, Department of Mechanical Engineering, Kalasalingam University, Virudhnagar
15.	F.No.14/25/2011-ERS/RE	Ecosystem Conservation	Fragmentation of humid subtropical broad-leaved forest and its impact on plant diversity and ecosystem function in Meghalaya, Northeast India	Dr. Krishna Upadhaya, Department of Basic Sciences and Social Sciences, NEHU, Shillong
16.	F.No.14/25/2013-RE	Ecosystem Conservation	Study of Plant Diversity of Udaipur wetland of West Champaran and Conservation of its water quality	Dr.R.N.Yadava Head Botany Department, Ram Lakhn Singh Yadav College, Bihar
17.	14/89/2013-RE		Diversity of benthic communities and their response to organic carbon sedimentation in the Vembanad estuary, a tropical Ramsar site in Kerala, India	Dr. V. Salom Gnana Thanga, Department of Environmental Sciences, University of Kerala, Kariavattom-695581

### 2.0 Any other matter with the permission of the Chair.