



## "मैंग्रोव पारिस्थितिकी तंत्र में संस्थागत क्षमता को मजबूत करना" पर प्रशिक्षण की एक रिपोर्ट

### A Report of Training on “Strengthening the institutional capacity in Mangrove Ecosystem”

Mangroves are unique and highly productive ecosystems that represent significant environmental value. They are important for different sectors, including the forestry and fisheries sectors. Mangroves also serve as coastal buffers protecting the lives and livelihoods of people. Despite their importance, mangroves are being degraded in many areas at an alarming rate, causing difficulties for the people along the coastal areas.

Keeping in view, ICFRE- Coastal Ecosystem Centre (CEC), Visakhapatnam organized a training programme on “Strengthening the institutional capacity in Mangrove Ecosystem” for Forest officials of Andhra Pradesh State Forest Department at Environmental Education Centre, in Pulicat Bird Sanctuary, Atakanidibba, Sullurupeta on 29<sup>th</sup> February 2024.

The inaugural session started with a welcome speech by In-Charge ICFRE-CEC, Shri T. Srinivas, Scientist - C. He welcomed the dignitaries, trainees and media partners and provided an overview of the training schedule. He briefed about ICFRE and the Council’s pan India presence with its 9 Regional Research Institutes and 5 Centers in different bio-geographical regions of the country. He also mentioned the present On-going Projects under ICFRE-CEC and thanked Shri P. Samuael SFS, DFO of Sullurupeta for his support in organising such training program. He also presented him with a memento on behalf of ICFRE-CEC as a token of appreciation.

The Technical session started with the presentation of Smt T. Anusha, Technician on “Introduction of Mangrove Ecosystem”. She elaborated about the mangrove cover in India, Mangrove - adaptations, Types of roots, Importance, Biodiversity and Threats in her presentation. This presentation was followed by second presentation of the session by Gayathri Girish, Technical Assistant on “Ethnobotanic Significance of Mangroves and Their Conservation Strategies”. She elaborated about significance of Mangroves, Bioactive compounds in Mangroves, Proportional representation of mangrove medicinal value, Bioaccumulation of Heavy Metals –

Mangrove as Sinks, Conservation Strategies and Remote Sensing along with Various Schemes introduced by Government to protect Mangrove Ecosystem in her presentation.

The third presentation was given by Shri T. Srinivas, Scientist-C on “Conservation, Restoration and Sustainable Management of Mangroves”. The presentation aspects included conservation techniques of mangrove, regeneration of mangroves, development of mangrove nursery with appropriate inflow and outflow of water through trenches, feeder canals etc along with proper maintenance measures required for mangrove nursery, Method of plantation, Integration of Mangrove Conservation with Rural Livelihood and Issues in Mangrove Conservation.

Finally, the valedictory session commenced followed by a group photograph with all the participants along with DFO. A total of 30 Participants attended the training and they were highly attentive throughout the training period and readily raised questions and sought clarifications. Some of the topics kindled their interest and were curious in knowing about the modern techniques of cultivation, conservation and raising techniques.

### **Glimpses of the Training Program**



