



ഭരണഭാഷാ മാതൃഭാഷാ
കേരള സംസ്ഥാന ജൈവവൈവിധ്യ ബോർഡ്
KERALA STATE BIODIVERSITY BOARD
A statutory and autonomous body, Government of Kerala

036/A11/KSBB/2025

18-09-2025

Guidelines for Submission of Proposals

Project Title: Comprehensive Mapping and Impact Assessment of Invasive Species along the Coastline of Kerala

1. Introduction

The Kerala State Biodiversity Board (KSBB) invites proposals from eligible institutions for a comprehensive study aimed at mapping and assessing invasive species along Kerala's 590 km coastline. This project aligns with Target 6 of the Kunming-Montreal Global Biodiversity Framework (GBF) and seeks to generate actionable insights for the sustainable management of coastal ecosystems. The project shall be completed within 36 months (3 years) from the date of award.

2. Project Objectives

The key objectives of this project are:

- To map and assess the distribution, abundance, and ecological impacts of invasive species across Kerala's coastline.
- To classify invasive species (flora and fauna) in key coastal ecosystems, including mangroves, estuaries, seagrass beds, sandy beaches, intertidal zones, and coral reefs.
- To develop high-resolution GIS-based spatial maps highlighting invasive species hotspots.
- To evaluate ecological and socioeconomic impacts on biodiversity, fisheries, tourism, and local livelihoods.
- To establish a comprehensive GIS-based database of invasive species.
- To recommend science-based management strategies for prevention, containment, and mitigation.

3. Eligibility Criteria

Eligible applicants include:

- State-level Research Institutions, Universities, and Academic Departments with demonstrated expertise in:
- Marine and coastal ecology, biodiversity conservation, and invasive species management.

- GIS mapping, spatial data analysis, and database management.
- Ecological and socioeconomic impact assessments.
- Collaborative proposals from multidisciplinary teams (e.g., ecology, fisheries, economics, GIS, social sciences) are strongly encouraged.

4. Scope of Work

The selected institution(s) will be required to:

- Conduct extensive field surveys along the entire Kerala coastline, from Kasaragod to Thiruvananthapuram.
- Document invasive species occurrence, abundance, and habitat associations.
- Prepare high-resolution GIS-based spatial maps of invasive species distribution and hotspots.
- Assess ecological and socioeconomic impacts on biodiversity, fisheries, tourism, and livelihoods.
- Develop a centralized, GIS-enabled database of invasive species.
- Formulate management strategies and policy recommendations in alignment with global and national biodiversity targets.
- Engage with local stakeholders, fisherfolk, and communities for data collection and validation.

5. Deliverables

The following deliverables are expected:

1. Baseline Database: A detailed, accessible digital repository of invasive species records.
2. GIS Maps: High-resolution spatial maps depicting invasive species distribution and hotspots.
3. Impact Assessment Report: Comprehensive documentation of ecological and socioeconomic impacts.
4. Policy and Management Recommendations: Science-based strategies for controlling invasive species and mitigating impacts.
5. Final Project Report: A consolidated report integrating all findings, data, and recommendations.

6. Proposal Format

Proposals must be structured as follows:

1. Institutional Profile: Overview of expertise, facilities, and research track record.
2. Team Composition: Details of Principal Investigator (PI), Co-Investigators, and research staff, highlighting relevant experience.
3. Technical Proposal: Detailed methodology, including survey design, GIS tools, impact assessment framework, and stakeholder engagement strategy.
4. Work Plan and Timeline: Year-wise activities, milestones, and deliverables.

5. Budget Estimate: Itemized budget with justification, adhering to KSBB guidelines.
6. Previous Experience: Documentation of relevant completed/ongoing projects.

7. Evaluation Criteria

Proposals will be evaluated based on:

- Scientific and technical merit of the proposed methodology.
- Institutional and team expertise in relevant domains.
- Feasibility and clarity of the work plan and timeline.
- Relevance to KSBB's objectives and Kunming-Montreal GBF Target 6.
- Cost-effectiveness and rationale of the budget.

8. Submission Details

- Last Date for Submission: 15th October 2025
- Proposals must be submitted in both hard copy and soft copy to:

The Member Secretary

Kerala State Biodiversity Board (KSBB)

Thiruvananthapuram – 695003, Kerala

Tel: 0471-2724740, www.keralabiodiversity.org

Website: www.keralabiodiversity.org

Note: Incomplete proposals or those not conforming to the guidelines will be rejected. KSBB reserves the right to accept or reject any proposal without assigning reasons.

Kailasam, T.C. 24/3219, No. 43, Belhaven Gardens, Kowdiar P.O., Thiruvananthapuram – 695 003, Phone : 0471-2724740, Email: keralabiodiversity@gmail.com, kerala.sbb@kerala.gov.in, Website: www.keralabiodiversity.org