

## **Call for Proposals**

Ministry of Earth Sciences, Government of India invites innovative proposals under PAMC-Ocean Science of REACHOUT Scheme on the following theme:

***“Characterization and Sustainable utilization of Ocean resources like Energy, Water, Minerals and Food etc”.***

This theme would aim to address the R & D activities in achieving the goal of Blue Economy at national level. The main objectives of the proposed call are mapping the natural marine resources and developing novel as well as sustainable approach/technology in harnessing oceanic resources. The primary targets are to fulfill basic requirement for mankind like energy, water, minerals and food in the framework of Blue Economy towards enhancing the national potential and augmenting its contribution to GDP. Following thrust areas proposed for submission of project

Proposed thrust areas are:

- a. Characterize the potential areas/fields of ocean energies like tidal, wave, current, thermal & salinity gradients and green energy highlighting their applications. Development of technology for harnessing those energies from ocean ensuring sustainability.*
- b. Technology development for extraction of fresh water/drinking water for mankind using seawater desalination highlighting eco-friendly, sustainable and state of art system.*
- c. Inventorying and mapping of mineral resources in our neighboring seas within our national jurisdiction. Development of metallurgical process/ technology for extraction of precious metals from oceanic minerals.*
- d. Identifying and nutritional evaluation of potential foods of marine origin, promotion of seafoods and establishing their potential as marine bioresources. Development of technology for extracting novel compounds for bioprospecting and food formulation using marine flora and fauna.*

The projects durations of the project proposals could be either of 3 or 5 years.

The proposals may be submitted online on <https://reachout.moes.gov.in>

The window for submission of proposal will remain open till 7<sup>th</sup> January 2024 midnight.

For any queries related to this call, please contact:

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