



## Samudrayaan Mission

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# Samudrayaan Mission

India's First Manned Ocean Mission – Launched in Chennai (2021)

## Objective

- Send 3 persons in a **self-propelled, manned submersible vehicle - MATSYA 6000** (indigenously developed) to a depth of 6000 m
- **Deep-ocean exploration and mining of rare minerals**

## Significance for India

- **First developing country** to carry out a deep ocean mission
- **Joined the elite club of nations** (US, Russia, France, Japan and China) to have niche technology and vehicles to carry out subsea activities
- Promotion of **ocean literacy; Underwater engineering innovations**

## Nodal Ministry

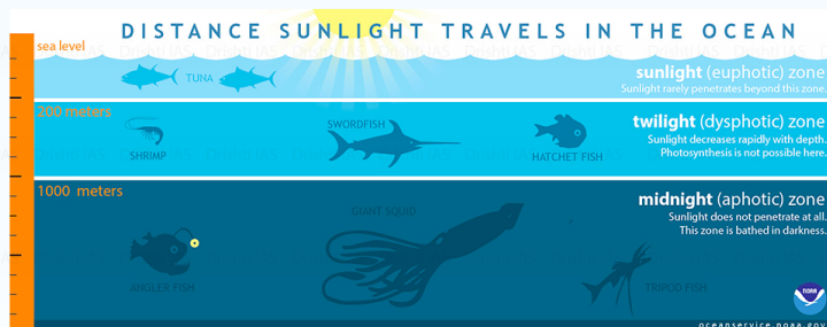
Ministry of Earth Sciences

## Nodal Mission

Deep Ocean Mission (June 2021) - To Support Blue Economy Initiatives

## 2021-2030

Decade of Ocean Science for Sustainable Development (declared by UN)



## Deep Ocean

Generally defined as the depth at which light begins to dwindle, typically around 200 meters

## India's Oceanic Facts

- **Coastline:** ~7,516km
- **Coastal States:** 9 of 28
- **Total Islands:** 1,382
- **Ports:** 200+ (including 13 major ports)
- **Exclusive Economic Zone:** 2 million+ km<sup>2</sup>
- **Cargo handled by Ports:** ~1,400 million tons (yearly)
- **Coastal Economy:** 4 million+ fisherfolk & coastal communities

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