



Samudrayaan Mission



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

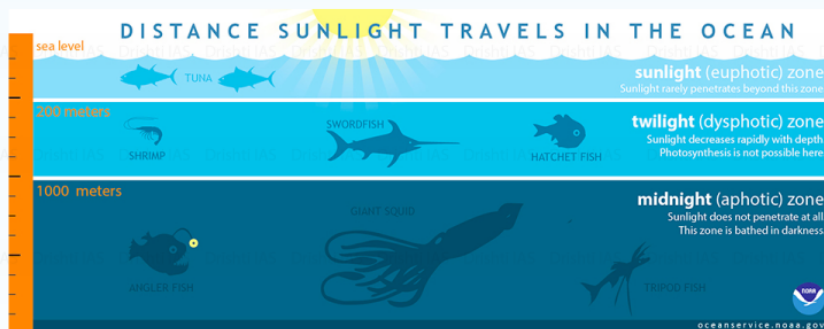
Ministry of Earth Sciences

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+ km²
- **Cargo handled by Ports:** ~1,400 million tons (yearly)
- **Coastal Economy:** 4 million+ fisherfolk & coastal communities

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