

A team of 30 researchers from National Institute of Oceanography will explore the Indian ocean of 10,000 nautical miles.

The main aim of the project is to understand the ecosystem of ocean, the response of the ocean to climate change and pollution.

The three months exploration will start from Madagascar, and cover Australia, Mauritius and the coast of Pakistan.

Outcomes :

- The researchers will carryout the genome mapping of the micro-organisms and map their DNA and RNA.
- This mapping will help them in understanding the components present and lacking in them.
- The ocean also has many nutrients like silicates, carbonates, copper, cadmium

- The responding of the micro-organisms to the chemicals and the study of bio-geo chemical cycles is possible.
- The presence of excess nutrients in one place and the lack of nutrients in other will help them to lay out plans for conservation.
- The study will help in various anti-cancer, treatment, commercial activity, cosmetics etc.
- The collection of micro-organisms ^{is} will help them to carry out research and understanding the taxonomy.
- This crew with 6 women members on board will explore the unexplored region of the ocean it is the first of its kind researching in the third largest ocean.