



Artificial Reefs to be installed in Mumbai

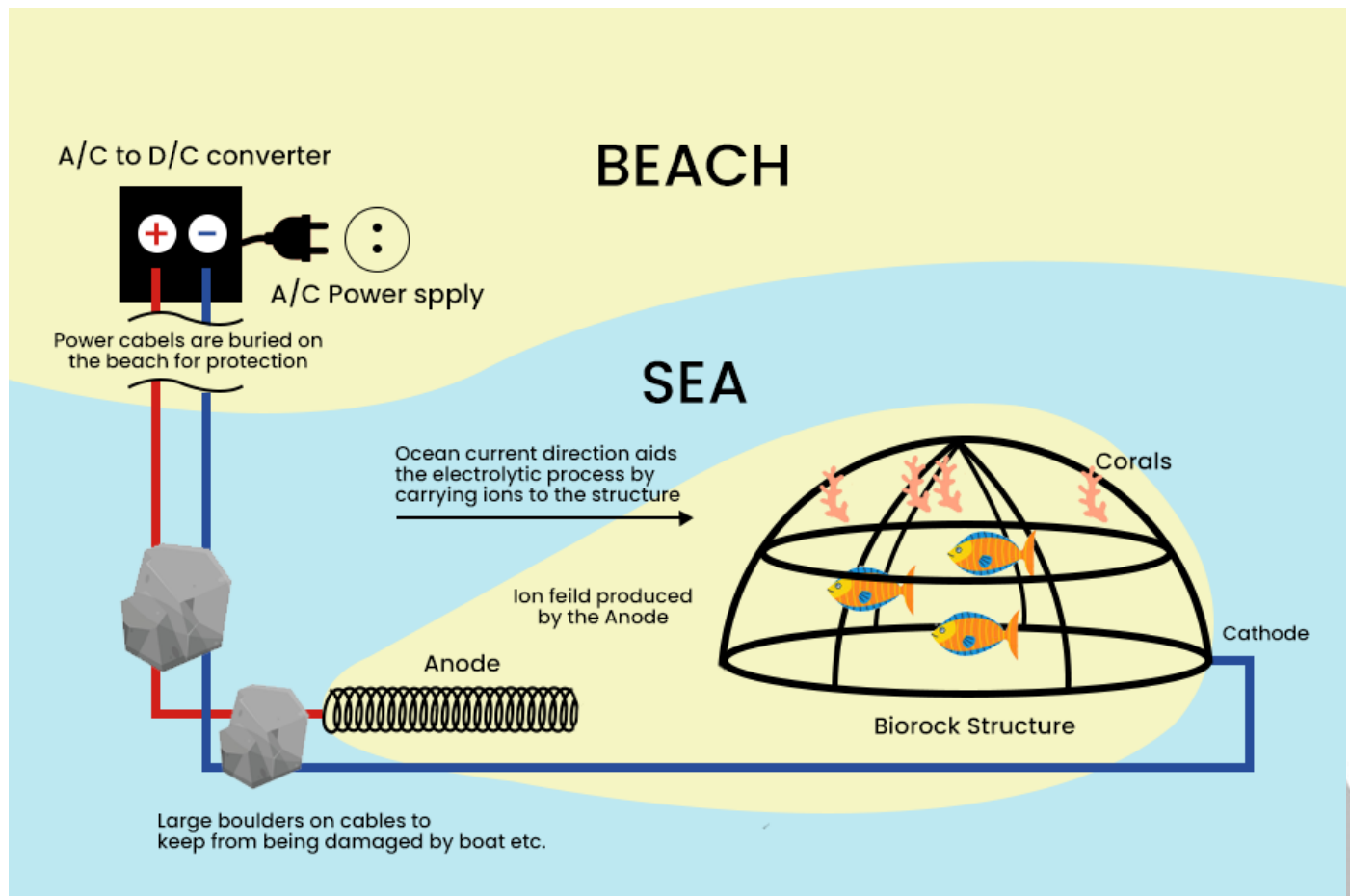
[Source: IE](#)

India's second-ever installation of [artificial reefs](#) (after Pondicherry) to boost marine life is being deployed near Worli Koliwada, Mumbai.

- **210 reef units** made from **recycled concrete and steel** are installed 500 meters offshore, and it will take 3 months to show initial signs of a thriving ecosystem.

Artificial Reefs:

- These are structures built by humans through [biorock technology](#) and **placed on the seabed** in freshwater or saltwater environments.
 - **Biorock technology** was invented by **Wolf Hilbertz**. In this technology, a **low electrical current** is passed through the water using electrodes placed near a steel structure.
 - This current acts like a **magnet, attracting dissolved minerals**, particularly calcium and carbonate ions, forming a **calcium carbonate (CaCO_3) layer** similar to natural coral reefs.
- These reefs offer **crucial hard surfaces** to which **algae, barnacles, [corals](#), and oysters** can firmly attach themselves.
- These reefs will create **habitats for fish, absorb carbon dioxide, and benefit local fishing communities**.



Read More: [Coral reefs](#), [Biorock technology](#)

PDF Reference URL: <https://www.drishtiias.com/printpdf/artificial-reefs-to-be-installed-in-mumbai>