

REMOTELY OPERATED VEHICLE (ROV)

BRIEF DESCRIPTION:

Deep water electric work class remotely operated vehicle (ROV) ROSUB6000 (capable of operating up to 6000m water depth and 500m depth rated for shallow water applications) is developed to map the coral reefs, to examine the corals and assess the extent of damage or rejuvenation that might be taking place since the great damages happened earlier. The images of corals recorded by the ROV are useful to study the biodiversity of coral reefs and their evolution. The water temperature ranged between 31°C at surface and 30.5°C at 1 m water depth. It further decreases in deeper waters as recorded by the ROV based sensor.

ADVANTAGE:

The ROV's can be used not only for research and scientific exploration purposes but also for several engineering applications. For instance, it can be deployed to conduct underwater inspection of pipeline of an oil and gas company.

Scale of development: Ready for licensing of Technology

