

Ques-1 Ocean thermal Energy Conversion is a process that can produce electricity by using the temperature difference between deep cold ocean water & warm tropical surface waters.

Open-cycle OTEC system - an open cycle OTEC system that employs water vapour as the working fluid & dispenses with the use of refrigerant. In this kind of system, warm surface seawater is partially vaporized as it is injected into a near vacuum. The resultant steam is expanded through.

Ans-1 There are some various methods of tidal power generation -

- 1) Tidal steam generators
- 2) Tidal Barrage
- 3) Dynamic tidal power
- 4) Tidal lagoon