

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION No.169
TO BE ANSWERED ON THURSDAY, NOVEMBER 17, 2016**

PRODUCTION OF ENERGY FROM SEA WAVES

169. SHRI PARIMAL NATHWANI:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the National Institute of Ocean Technology (NIOT) is working towards producing energy from sea waters;**
- (b) if so, the details thereof, and its present status;**
- (c) whether any cost effective analysis has been made in this regard and if so, the details thereof;**
- (d) whether the Government is contemplating to start a pilot project in the country and has assessed the difficulties regarding expenditure for the purpose; and**
- (e) if so, the details thereof and the progress made in this regard?**

ANSWER

**MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY
AND MINISTRY OF EARTH SCIENCES
(SHRI. Y. S. CHOWDARY)**

- (a) Yes, Sir.**
- (b) National Institute of Ocean Technology is setting up a pilot plant for Ocean Thermal Energy Conversion to run the low temperature thermal desalination technology to produce freshwater in Kavaratti, Lakshadweep islands considering the need specific requirement of islanders.**
- (c) Yes Sir. At present, generating electricity through Ocean Thermal Energy Conversion (OTEC) and wave energy is not found to be cost effective at commercial scale due to high capital cost and low level of power generation on mainland.**
- (d) Yes, Sir. The present proposal is important from the perspective of demonstrating the OTEC technology in an experimental pilot plant with phase-wise expenditure.**
- (e) The preparatory activities such as bathymetric survey of the site, and identification of requirements of various components for the project have been completed.**
