

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:872
ANSWERED ON:08.08.2013
CONVERSION OF OCEAN THERMAL ENERGY
Dhurve Jyoti;Naranbhai Shri Kachhadia

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the details of the progress made in the research to convert Ocean Thermal Energy for the purpose of generating electricity; and
- (b) the time by which electricity generation is likely to be started?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTRY OF EARTH SCIENCES (SHRI S. JAIPAL REDDY)

(a) Earth System Science Organisation (ESSO) through its technical arm, National Institute of Ocean Technology (NIOT) has been conducting laboratory level experiments for generation of electrical energy by Ocean Thermal Energy Conversion (OTEC), utilizing difference in temperature between ocean surface and ocean depth around 800-1000m. No operational plant based on the principle of OTEC exists anywhere in the World.

(b) Does not arise.