

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. 2139
TO BE ANSWERED ON 23rd JULY, 2009

POWER GENERATION FROM OCEAN THERMAL ENERGY

2139. SHRI KALRAJ MISHRA:

Will the MINISTER of EARTH SCIENCES be pleased to state:

- (a) whether any progress has been made in the research for generation of electrical energy by conversion of ocean thermal energy;
- (b) if so, the stage up to which the research has reached; and
- (c) by when such mode of power generation is likely to be put into practice?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE)
MINISTRY OF SCIENCE AND TECHNOLOGY, MINISTRY OF EARTH SCIENCES,
MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE, MINISTER OF STATE IN
THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND MINISTER
OF STATE IN THE MINISTRY OF PARLIMENTARY AFFAIRS
(SHRI PRITHVIRAJ CHAVAN)

- a) to b) The Ministry of Earth Sciences through its technical arm, National Institute of Ocean Technology has been experimenting on generation of electrical energy by ocean thermal energy conversion (OTEC), utilising difference in temperature in ocean surface and ocean bottom. The generation of electricity using OTEC is not yet successful on commercial scale so far due to high capital cost, low level of power generation and other technical reasons.
- c) Does not arise.
