

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION No. 2303
TO BE ANSWERED ON THURSDAY, JULY 31, 2014

LOW TEMPERATURE THERMAL DESALINATION TECHNOLOGY PLANT

2303. DR. R. LAKSHMANAN:

Will the Minister of **EARTH SCIENCES** be pleased to state:

- (a) whether Government will come forward to commission Low Temperature Thermal Desalination Technology (LTTD) plant in all the coastal areas of the country so that sea water can be converted in potable water; and
- (b) if so, the details thereof and if not, the reasons therefor?

ANSWER

MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES (Independent Charge)
(DR. JITENDRA SINGH)

- (a&b) The Low Temperature Thermal Desalination (LTTD) technology indigenously developed and demonstrated by the National Institute of Ocean Technology (NIOT), Earth System Science Organization (ESSO) is found suitable for the Lakshadweep islands. The thermal gradient (Temperature difference between sea surface water and deep sea water) of about 15°C is required to be found near the coast and such conditions are found near Lakshadweep coasts only as of now. Three LTTD plants have been successfully commissioned in the country, one each at Kavaratti, Minicoy, and Agatti islands of the Union Territory of Lakshadweep. In addition, work has been initiated to set up a prototype LTTD plant with a capacity of generating 2 million litres of potable water per day (2 MLD) at the Tuticorin Thermal Power station, Tamil Nadu.
