

**GOVERNMENT OF INDIA  
EARTH SCIENCES  
LOK SABHA**

UNSTARRED QUESTION NO:424  
ANSWERED ON:22.07.2015  
Desalination Plants  
Patle Smt. Kamla Devi

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

- (a) the details of desalination plants set up so far in the country, location and State-wise;
- (b) whether the Government proposes to set up more desalination plants in the country and also supply water to water deficit areas;
- (c) if so, the details thereof, location and State-wise; and
- (d) the present status of all plants under construction/proposed to be constructed and the time by which these are likely to be commissioned?

**Answer**

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

(a) Three desalination plants, based on the Low Temperature Thermal Desalination (LTTD) technology indigenously developed and demonstrated by the Earth System Science Organization (ESSO)-National Institute of Ocean Technology (NIOT), have been successfully commissioned one each at Kavaratti, Minicoy, and Agatti islands of the Union Territory of Lakshadweep. The capacity of each of these LTTD plants is 1 lakh liter of potable water per day. One experimental LTTD plant using condenser waste heat from power plant was set up at North Chennai Thermal Power Station (NCTPS).

(b to d) 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. The Lakshadweep Administration requested ESSO-NIOT for setting up similar plants in remaining six islands. ESSO-NIOT has sent a detailed project report to the Lakshadweep Administration in this regard. The proposal has not been approved so far.