

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
LOK SABHA  
UNSTARRED QUESTION NO. 5537  
TO BE ANSWERED ON WEDNESDAY, 6<sup>TH</sup> APRIL, 2022**

**DESALINATION TECHNOLOGY PLANTS**

**5537. SHRIMATI POONAMBEN MAADAM:  
SHRI ARUN SAO:  
SHRI RANJEETSINGH HINDURAO NAIK NIMBALKAR:  
SHRI SUDHAKAR TUKARAM SHRANGARE:  
SHRI SHIVAKUMAR C. UDASI:**

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

- (a) the current status of the production of desalination technology plants in the country for conversion of sea water into potable water based on Low Temperature thermal Desalination (LTTD) technology producing drinking water from sea water;
- (b) whether the Government has formulated any scheme to establish a large number of plants in the coastal areas of the country for producing drinking water from sea water, State/UT-wise including Gujarat;
- (c) if so, the details thereof along with the per litre cost of drinking water so produced from these plants;
- (d) whether the Government is planning to increase desalination units near coastal areas, especially in Gujarat, if so, the details thereof; and
- (e) the time by which the said scheme is likely to be implemented?

**ANSWER**

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR  
MINISTRY OF SCIENCE AND TECHNOLOGY  
AND EARTH SCIENCES  
(DR. JITENDRA SINGH)**

- (a) Ministry of Earth Sciences (MoES) through National Institute of Ocean Technology (NIOT), Chennai has developed Low Temperature Thermal Desalination (LTTD) Technology for conversion of seawater into fresh water and established three desalination plants, one each at Kavaratti (2005), Minicoy and Agatti (2011) Islands of Union Territory of Lakshadweep. Based on the success of these plants, Ministry of Home Affairs (MHA) through Union Territory (UT) Lakshadweep has entrusted the work of establishing 6 more LTTD plants at Amini, Androth, Chetlet, Kadmat, Kalpeni and Kiltan with a capacity of 1.5 lakhs litres/day.
- (b) No, Sir.
- (c) Does not rise.
- (d) No, Sir.
- (e) Does not rise.

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