

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
RAJYA SABHA  
UNSTARRED QUESTION No. - 218  
ANSWERED ON 08/12/2022**

**NATIONAL MARINE LITTER POLICY**

218. SHRI AYODHYA RAMI REDDY ALLA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether as per World Bank data, over 15 million tons of plastic contaminates the Indian Ocean, making it the world's second most polluted ocean after the North Pacific, if so, the details of the achievements of the National Marine Litter Policy so far; and
- (b) whether any study has been conducted to generate data on the spatial and temporal distribution of plastics (macro, micro, and nano plastic) in open and coastal oceans, if so, the details thereof and if not, the reasons therefor?

**ANSWER**

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

- (a) Following steps have been initiated for the formulation of the National Marine Litter Policy.
  - (i) Several studies have been initiated by Ministry of Earth Sciences through its attached office National Centre for Coastal Research (NCCR), to monitor the temporal and spatial distribution of marine litter along the Indian coasts and adjacent seas and map the distribution of marine litter.
  - (ii) Further, the Ministry of Environment, Forest & Climate Change (MoEF&CC) has notified Plastic Waste Management Rules, 2016, and its amendments, which provide the statutory framework for plastic waste management in the country. The Plastic Waste Management (PWM) Rules, 2016, prohibits manufacture, import, stocking, distribution, sale and use of carry bags and plastic sheets less than fifty microns in thickness in the country. There is complete ban on sachets using plastic material used for storing, packing or selling gutkha, tobacco and pan masala. MoEF&CC had also issued Gazette notification on "Guidelines on Extended producer responsibility for Plastic Packaging" and Plastic Waste Management (Amendment) rules, 2022 on 16<sup>th</sup> February to all States/UTs and Ministries. Further, the Government of India has initiated several programmes such as "Swachh Bharat Abhiyan", National Mission for Clean Ganga and Smart Cities Mission" in order to develop clean and sustainable environment which contribute towards the Marine Litter Policy.

- (b) Yes, Sir. National Centre for Coastal Research (NCCR), an attached office of MoES Conducted studies on quantifying the litter (mainly meso, macro and microplastics) in surface water and sediment from the shelf region of east coast of India. Samples from coastal water, beach and offshore sediment, and biota are analyzed for micro/ meso/ macro plastics pollution. An increase in the abundance of microplastics is observed along the east coast during the monsoon. The sampling stations nearer to the river mouth had higher numbers of microplastics concentrations. The Beach litter survey revealed that the maximum accumulation occurs in the backshore than in the intertidal zone. The results were published in the peer reviewed journal and accessible to the public.

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