

GOVERNMENT OF INDIA  
MINISTRY OF PORTS, SHIPPING AND WATERWAYS  
LOK SABHA  
UNSTARRED QUESTION NO.4886  
TO BE ANSWERED ON 25<sup>TH</sup> MARCH, 2021

**MODERNISATION OF MARINE NAVIGATION**

4886. DR. SUKANTA MAJUMDAR:  
SHRI NISITH PRAMANIK:  
SHRI RAJVEER SINGH (RAJU BHAIYA):  
SHRI BHOLA SINGH:  
SHRI RAJA AMARESHWARA NAIK:  
SHRIMATI SANGEETA KUMARI SINGH DEO:  
SHRI VINOD KUMAR SONKAR:  
DR. JAYANTA KUMAR ROY:

Will the Minister of PORTS, SHIPPING AND WATERWAYS be pleased to state:  
पत्तन, पोत परिवहन और जलमार्ग मंत्री

- (a) whether the Government is planning to introduce a legislation "the Marine aids to Navigation Bill 2021" for development, maintenance and management of aids to navigation in the country;
- (b) if so, the details thereof;
- (c) the details of the lighthouses installed across the country and funds allocated during the last three years, State-wise;
- (d) whether the Government has identified heritage lighthouses for their development and if so, the details thereof;
- (e) whether the Government has any plan to modernise the marine navigation with state-of-the-art technologies; and
- (f) if so, the details thereof along with other measures being taken by the Government in this regard?

**ANSWER**

MINISTER OF STATE (INDEPENDENT CHARGE) FOR PORTS, SHIPPING AND WATERWAYS  
(SHRI MANSUKH MANDAVIYA)

(a) & (b) Yes, Sir. "The Marine aids to Navigation Bill 2021" for development, maintenance and management of aids to navigation in India; for training and certification of operators of aids to navigation; and to ensure compliance with the obligation under the maritime treaties and International Instruments to which India is a party; has been passed by the Lok Sabha on 22<sup>nd</sup> March, 2021.

(c) 195 Lighthouses have been established along the entire coastline of the country including group of Andaman & Nicobar Islands and Lakshadweep Islands. The lighthouses are established by the Central Government and funds are not allocated State-wise. The details of expenditure during the last three years are as under: -

Sl. No.	Year	Expenditure (Rs. in crore)
1.	2017-18	53.78
2.	2018-2019	59.43
3.	2019-2020	88.14

(d) 18 Lighthouses have been identified and taken up for development as Heritage lighthouses as these lighthouses have completed 75 years since commissioning. The State-wise details is annexed.

(e)&(f) With the advancement of technology, the role of Marine Aids to Navigation has moved from a purely passive one based on "Visual Aids to Navigation" to "Radio and Digital based Aids to Navigation".

The Central Government has established modern Marine Aids to Navigation such as Differential Global Positioning System (DGPS); National Automatic Identification System (NAIS) with 87 physical shore stations along the Indian Coastline to track all the vessels fitted with Automatic Identification System (AIS) transponder; and Vessel Traffic Service (VTS) in Gulf of Kachchh with 9 Radar networks with state-of-the-art technologies.