

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION No. 760
TO BE ANSWERED ON WEDNESDAY, DECEMBER 20, 2017**

DIGITAL MAPPING

760. SHRI RADHESHYAM BISWAS:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether his Ministry has recently conducted a digital mapping of coastal areas especially in Southern India for the purpose of gaining knowledge on resources available for warning in case of cyclone, etc.;**
- (b) if so, the outcome thereof, State-wise; and**
- (c) the other uses of this digital mapping of coastal areas in the country?**

ANSWER

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

- (a) Yes Madam.**
- (b) A digital mapping for selected densely populated low lying coastal urban areas has been carried out, using 3-Dimensional Geographic Information System (3D GIS), to map the streets and buildings. The purpose is 3D GIS mapping is to assess the infrastructure in the coastal areas which are vulnerable to inundation caused due to oceanogenic disasters, such as tsunami or storm surges. These maps will also help estimating the risk during such disasters. A total 3886 sq. km of coastal areas were selected for 3D GIS mapping covering parts of Tamil Nadu (Chennai, Cuddalore-Pondicherry, Rameshwaram, Tuticorin), Andhra Pradesh (Machilipatnam, Nizampatnam, Kakinada), Odisha (Puri) and Kerala (Alleppey, Kochi). Mapping has been completed for Cuddalore-Pondicherry, part of Machilipatnam, Kakinada, Puri, Rameshwaram and Tuticorin.**
- (c) This data can be used for the coastal disaster management, preparedness and evacuation planning.**
