

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
RAJYA SABHA  
UNSTARRED QUESTION No. 1606  
TO BE ANSWERED ON THURSDAY, MARCH 12, 2015**

**GIS BASED 3D PROTOCOL ON TSUNAMI WARNING**

**1606. SHRI A.K. SELVARAJ:**

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

- (a) whether it is a fact that the Indian National Centre for Ocean Information Services will soon extend its GIS based 3D protocol on Tsunami warning to all vulnerable areas in the country with new methodologies and improved warning procedures and if so, the details thereof; and**
- (b) whether it is also a fact that the details of every persons living in vulnerable areas would be mapped and if so, the details thereof?**

**ANSWER  
MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND  
MINISTRY OF EARTH SCIENCES  
(DR. HARSH VARDHAN)**

- (a-b) Yes Sir. On pilot basis 3-D GIS database is generated for Cuddalore and Nagapattinam districts of Tamilnadu. The 3-D GIS layers shall provide details of duration, depth and extent of predicted Tsunami inundation in habitated zones of coastal areas for planning effective emergency response actions.**

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