

**GOVERNMENT OF INDIA  
EARTH SCIENCES  
LOK SABHA**

UNSTARRED QUESTION NO:180  
ANSWERED ON:16.11.2007  
TSUNAMI WARNING SYSTEM  
Rao Shri Sambasiva Rayapati

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

- (a) the status of establishment of the instrument for warning signal to the coastal areas before Tsunami;
- (b) whether the Government has taken the assistance of other countries in this regard; and
- (c) if so, the details thereof?

**Answer**

MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (SHRI KAPIL SIBAL)

(a) An Early Warning System for Tsunami for Indian Ocean has been set up at Indian National Centre for Ocean Information Services (INCOIS), Hyderabad. Early Warning Centre inaugurated on 15th October 2007, receives near real time seismic signals for monitoring earthquakes capable of generating tsunamis, observes real time changes in the sea level and validates propagation of tsunami waves, if any, through Bottom Pressure Sensors placed at sea bottom in the Bay of Bengal and Arabian Sea. The system is capable to generate alert and warning advisories for tsunami.

(b) No Sir. India developed the system on its own without any assistance. However, seismology and ocean tide gauge data is received from other countries also.

(c) Does not arise.