

(c) and (d) Under the modernization programme of IMD, it is proposed to further upgrade, replacing the manual instruments by Automatic Weather Stations during 11th Five Year Plan.

**Establishment of early warning system for Tsunami**

†2725. SHRI AMIR ALAM KHAN: Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether Government are establishing early warning system for Tsunami and tempest;

(b) whether an interim tsunami warning centre has been established in Indian National Centre for Ocean Information Service (INCOIS) for tsunami warning;

(c) whether it is a fact that an automatic tide measuring instrument has also been establishment near Indian coast line; and

(d) the steps beign taken by Government to establish communication system between tide measuring instrument through INSAT and INCOIS based early warning system in order to prevent any emergency crisis?

THE MINISTER OF EARTH SCIENCES (SHRI KAPIL SIBAL): (a) and (b) Yes Sir. The Government is setting up an Early Warning System for Tsunami and Storm Surges in the Indian Ocean. The system is liely to be operational by September, 2007. A centre would be set up at Indian National Centre for Ocean Information Services (INCOIS) Hyderabad, Andhra Pradesh en a 24x7 basis. An interim early warning mechanism is presently operational at INCOIS, Hyderabad on 24x7 basis.

(c) and (d) Yes Sir. Under this project 50 automatic Tide Gauges are planned to be installed along the Indian coastline. 20 such Tide Gauges have already been installed. Ministry of Earth Sciences is working with Indian Space Research Organisation (ISRO) for setting up of the INSAT based communication facility for receiving data in real time from Tide Gauges and Bottom Pressure Recorders.

**Participation in fairs and exhibitions**

2726. SHRI KAMAL AKHTAR: Will the Minister of EARTH SCIENCES be pleased to state:

(a) the number of fairs and exhibitions held and those in which

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†Original notice of the question was received in Hindi