

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCE
RAJYA SABHA
UNSTARRED QUESTION NO. 3535
TO BE ANSWERED ON 6th August, 2009

DISASTER WARNING SYSTEM FOR TSUNAMI AND CYCLONES

3535. SHRI NANDAMURI HARIKRISHNA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether it is a fact that IIT, Delhi, has developed a low-cost disaster warning system for Tsunamis and cyclones;
- (b) if so, the details thereof; and
- (c) in what manner the above system is different from the existing warning system?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE)
MINISTRY OF SCIENCE AND TECHNOLOGY, MINISTRY OF EARTH SCIENCES, MINISTER
OF STATE IN THE PRIME MINISTER'S OFFICE, MINISTER OF STATE IN THE MINISTRY OF
PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND MINISTER OF STATE IN THE
MINISTRY OF PARLIMANTARY AFFAIRS
(SHRI PRITHVIRAJ CHAVAN)

- (a)-(b) IIT, Delhi has attempted to develop a low-cost ocean information dissemination prototype so as to communicate information on potential fishing zones and ocean state forecasts generated by the Indian National Centre for Ocean Information Services (INCOIS), Hyderabad of the Ministry of Earth Sciences (MoES). The prototype can also disseminate warnings related to coastal hazards such as tsunamis and cyclones by receiving due information from operational warning centres such as India Meteorological Department (IMD) and INCOIS. This project is funded by INCOIS/MoES.
- (c) The current prototype is different from the existing system in terms of its easy deployment/maintenance; low power consumption with multi-power sources(utility power and solar power); redundant connectivity to multiple networks; automatic updation of information from the server; built with off-the shelf hardware and open source software tools etc. It is now planned to test the developed prototype alongside the existing system of warning dissemination at INCOIS for its detailed performance evaluation.
