

PARLIAMENT QUESTION: Expansion of NavIC-based Early Warning System

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Navigation with Indian Constellation (NavIC) based early warning services for major natural disasters like earthquakes, floods, cyclones, landslides etc has been operationalised under the “Common Alerting Protocol Based Integrated Alert System (SACHET)”, project of National Disaster Management Authority.

The coverage area for NavIC is designed to cover the Indian Territory and surrounding 1500 km of Indian borders. After a successful Pilot Project was implemented in Tamil Nadu, Pan India implementation of Phase I of the Common Alert Protocol (CAP) Project has been sanctioned by the Government.

The State Disaster Management Authority (SDMA) utilizes the NavIC system to disseminate all warnings. The NavIC Signal Structure has provision to transmit text messages besides navigation messages. These short communication messages are being used for messages related to alerts, forecast and directives on the occurrence of natural disasters like floods, earthquake, Tsunami, cyclones, landslides etc. The components of this cycle are the Alert Generating Agencies (IMD, CWC, FSI, DGRE, INCOIS etc), the warning/alert disseminating agencies (cellular network, radio, television, Internet, Satellite etc) and the recipients of this warning (general public and the responders). The efficient workflow of this chain is monitored by the Disaster Management Authorities at the National as well as State level.

This information was given by Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science and Technology, Earth Sciences, MoS PMO, MoS Personnel, Public Grievances & Pensions, Department of Atomic Energy and Department of Space, in a written reply in the Rajya Sabha today.

NKR/PSM/AV

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