

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. - 2430
ANSWERED ON – 24/03/2022

API AND RADAR ACCESS TO KERALA

2430. SHRI JOSE K MANI:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether Government has any plans to grant API (Application Program Interface) access for tidal prediction, tsunami warning and high wave alerts from Indian National Centre for Ocean Information Services (INCOIS) to KSDMA (Kerala State Disaster Management Authority) and Kerala-WRIS (Kerala Water Resources Information System);
- (b) if so, the details thereof;
- (c) whether Government has any plans/proposals to grant access of India Meteorological Department (IMD) radar images in GeoTIFF format to the Kerala State Emergency Operations Centre for identifying isolated heavy rainfall regions in the State; and
- (d) if so, the details thereof?

ANSWER
THE MINISTER OF STATE (INDEPENDENT CHARGE) OF
MINISTRY OF SCIENCE AND TECHNOLOGY AND
EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) Yes Sir.
- (b) INCOIS is already working with National Disaster Management Authority for national level dissemination of information for tsunami, high wave alerts, swell surge etc. through the 'SACHET' platform. KSDMA is an integral part of this system. INCOIS can share the same Common Alert Protocol (CAP) files if KSDMA would like to integrate with their system. As per the workflow designed in this 'SACHET' platform, KSDMA will be getting notified whenever the alerts are issued by INCOIS. Tsunami and High Wave Alerts information is made available through RSS/JSON Feeds. In addition, INCOIS is also developing APIs for KSDMA to integrate with their dissemination system.
- (c)-(d) India Meteorological Department (IMD) already shares the weather data and forecast related APIs with KSDMA. APIs can also be shared with Kerala-WRIS, if request in this aspect is received from them; since IP based restrictions are there for access of APIs. IMD does not have images of radar products in GeoTIFF format. It is available in gif format only. Further, rainfall product is available in Binary Universal Form for Representation (BUFR) format. Same can also be provided.
