

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

STARRED QUESTION NO:503

ANSWERED ON:29.04.2015

APPLICATION OF SPACE TECHNOLOGIES

Shewale Shri Rahul Ramesh;Shinde Dr. Shrikant Eknath

Will the Minister of SPACE be pleased to state:

(a) whether the Indian Space Research Organisation (ISRO) is assisting a number of Government Departments to improve delivery mechanism in the field of tele-education, flood forecasting, early warning system, disaster and water management and if so, the details thereof;

(b) the details of other Government departments that have approached the Department of Space for developing applications/services that might improve implementation of their schemes/ programmes; and

(c) the manner in which application of space technologies can be of use to the above departments?

Answer

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

(a), (b), & (c) A Statement is laid on the Table of the House.

STATEMENT UUP ON THE TABLE OF THE LQK SABHA IN REPLY TO STARRED QUESTION NO.503 REGARDING 'APPLICATION OF SPACE TECHNOLOGIES' ASKED BY SHRI RAHUL SHEWALE AND DR. SHR1KANT EKNATH SHINDE FOR ANSWER ON WEDNESDAY APRIL 29,2015.

(a) Yes Madam. ISRO is assisting a number of Government Ministries/Departments at Central & State level through the applications of space technology as given below:

Tele-education (Ministry of Human Resource Development & States): Providing satellite connectivity and establishment of 83 tele-education networks.

Flood Forecasting (Central Water Commission): Development of methodology for forecasting flood events using space based inputs and in-situ observations in Assam and Andhra Pradesh.

Early Warning System (India Meteorological Department): Providing satellite data and geophysical products for prediction of cyclone track, intensity & landfall and weather forecasting.

Disaster Management (Ministry of Home Affairs & States): Providing near real-time satellite data products & services, assessment of damages, emergency communication.

Water Management (Ministry of Water Resources): Facilitating monitoring of irrigation infrastructure, command area management, inventory of snow & glaciers, establishment of Water Resources Information System.

(b) In all 65 Government departments are currently in consultation with ISRO for developing applications & services to support implementation of their schemes/programmes.

(c) These departments can use space technology applications in the following manner-

(i) Planning: Management of natural resources, infrastructure & urban development.

(ii) Monitoring & Evaluation: To assess the status of implementation of programmes.

(iii) Decision Making: Use information derived from satellite data in governance and development.

(iv) Satellite Communication: For connectivity of remote / far- flung areas.

(v) Citizen Centric Services: Asset mapping and applications using geospatial information.