

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION NO. 6522
TO BE ANSWERED ON 06.04.2018

Mapping of Natural Resources

6522. SHRI DUSHYANT SINGH:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) the details of the current system of mapping used by his Ministry to identify natural resources in any given area;
- (b) whether his Ministry has taken any steps to develop a digital support system for mapping of resources, such as groundwater, surface water availability, soil type and suggestion on farming potential on a real time basis; and
- (c) if so, the details thereof and if not, the reasons therefor?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(DR. MAHESH SHARMA)

- (a) to (c) The Ministry of Environment, Forest and Climate Change through its premier national organization, namely Forest Survey of India (FSI), carries out the assessment of forest cover of the country biennially and findings are published in India State of Forest Report. In addition, the Ministry under the National Natural Resource Management System(NNRMS) Scheme, provides grants to the research institutions for assessment and monitoring of country's natural resources, using remote sensing and GIS technology. Some of the projects completed under this Scheme, *inter alia* include, (i)Forest Types of India: Atlas by Forest Survey of India, Dehradun, (ii) Mapping of National Parks and Wildlife Sanctuaries: Pilot project study by Wild Life Institute of India, Dehradun, (iii) Coastal Zones of India by Space Application Centre(SAC), ISRO, Ahmedabad (iv)Snow and Glacier studies by SAC, ISRO, Ahmedabad,(v)National Wetland Atlas by SAC, ISRO, Ahmedabad,(v)Desertification and Land degradation Atlas of India by SAC, ISRO, Ahmedabad, etc. These reports are available in digital form and serve as significant digital support system. Time interval for data collection is dependent on its end use and real time data is collected for parameters, wherever these are necessary,such as air and water quality.
