

**GOVERNMENT OF INDIA  
MINES  
LOK SABHA**

UNSTARRED QUESTION NO:343  
ANSWERED ON:06.12.2013  
COMPILATION OF WEB BASED NLIIMS BY GSI  
Panda Shri Baijayant

**Will the Minister of MINES be pleased to state:**

- (a) whether the Geological Survey of India(GSI) has completed compiling the 'Web based National Landslide Incidence Inventory Map Service (NLIIMS)' formulated on the Geographic Information System (GIS) platform;
- (b) if so, the details thereof along with the manner in which the database is proposed to be used; and
- (c) if not, the time by which the project is likely to be completed?

**Answer**

MINISTER OF MINES (SHRI DINSHA PATEL)

(a)&(b): The work related to preparation of National Landslide Incidence Inventory Map (NLIIM) formulated on Geographic Information System (GIS) platform for providing online information related to incidences of landslides in different parts of the country was initiated by Geological Survey of India (GSI) in 2012-13. Landslide Hazard Information Management Division, GSI, New Delhi does this work. The database is in the form of an attribute table based on the Landslide Inventory sheet prepared and recommended for use in the field. This contains the details of the landslides including location, length, width and height, type of material, type of movement, failure mechanism, geomorphology, triggering factor, geoscientific cause of slide etc. The database of landslide reporting is aimed to provide a template for reporting landslide incidences in a standard format for ensuring uniformity in reporting of essential parameters of landslides from the field by the investigators. This will result into a national landslide inventory integrated into state-of-the-art GIS platform compatible with other map datasets available on GSI's Portal i.e. [www.portal.gsi.gov.in](http://www.portal.gsi.gov.in). The map service will be in Web-GIS based interactive format available in GSI portal, with various inputs related to landslides.

(c): As per Geological Survey of India, the time of submission of final report of the programme is September, 2016.