

**BRIEF DETAILS OF ONGOING PROJECTS IN EARTH RESOURCES DIVISION**

<b>Project Title</b>	:	<b>High resolution satellite remote sensing and GIS based geomorphological mapping and river migration study of Ganga River and between Rishikesh and Kanpur.</b>
<b>Funding Agency</b>	:	Department of Planning, Govt. of U.P.
<b>Duration</b>	:	One year (2017 –2018)
<b>Objectives</b>	:	High resolution Cartosat 1 and LISS IV satellite images
<b>Study Area</b>	:	10 Km area on the either side of Ganga river bank between Rishikesh and Kanpur.
<b>Summery</b>	:	<p>An attempt is being made to map even the smaller fluvial geomorphic features using high resolution satellite data. Further, the river channel changes during the recent times will also be studied.</p> <p>The results of this study will be important inputs for feasibility studies on selection of suitable sites for civil engineering projects such as bridges and barrages across River Ganga and also for the structural mitigation measures for flood control and soil conservation.</p>

<b>Project Title</b>	:	<b>Formulation of National Landslide Risk Management Strategy</b>
<b>User Agency</b>	:	National Disaster Management Authority (NDMA), New Delhi
<b>Duration</b>	:	From August, 2016 ongoing till date
<b>Objectives</b>	:	To formulate strategy for (i) Component I: Generation of user friendly Landslide Hazard Zonation (LHZ) Maps & (ii) Component IV: Capacity Building and Training of stakeholders.
<b>Study Area</b>	:	Landslide prone state and union territories of the country
<b>Task accomplished</b>	:	<p>(i) Detailed inputs for draft strategy aimed at Generation of user friendly Landslide Hazard Zonation Maps have been submitted to National Disaster Management Authority in August, 2016. These inputs include introduction, identification of problems, review of past literature, identical gaps: National level, Recommendations, Input thematic layers. LHZ maps at Meso &amp; Micro level, Quality Standards, Landslide Unic code, Implantation Strategy, Implementing Agencies and Financial Publications Monitoring Mechanism, Most of the above said inputs have since been incorporated by Sub-Group I in the Draft Document on Generation of User Friendly Landslide Hazard Maps.</p> <p>(ii) Draft for Component IV: capacity building and training of stakeholders is under preparation.</p>
<b>Regular Manpower Involved</b>	:	Dr. Aniruddha Uniyal (as member of NDMA Task Force for Formulation of National Landslide Risk Management Strategy)