

**Opportunity name: NERC Understanding geohazard processes and their impacts across India**

**Meeting Date: 6 & 7 November 2023**

Application Reference	Project Title	Research Organisation	Outcome
10442	Earthquake-induced mass movements and associated cryospheric hazards in the Indian Himalayan Region	Aberystwyth University	Unsuccessful
10920	Strengthening Himalayan Infrastructure Resilience: A Comprehensive Approach for Landslide and Earthquake Modelling, Monitoring and Risk Mitigation	University College London	Unsuccessful
11794	Data-driven Early Warning of Earthquakes & the Cascading Risk of Landslides	Brunel University London	Unsuccessful
11881	Multi-Parametric Investigation of Landslides: Unveiling Slope Failure Mechanisms and Implications for a Landslide Alert System	Cranfield University	Unsuccessful
12462	Advanced real-time risk management technologies for enhanced resilience in earthquake-prone regions (ARTISTRY)	University College London	Unsuccessful
12887	(ISHAKE) improving India's Seismic Hazard Assessment and earthquake Response	University of Liverpool	Unsuccessful
13028	Digital Twins for Holistic Landslide Hazard Management in the Indian and Nepalese Himalayan Region	University of Glasgow	Unsuccessful
13442	LANDSCAPES: Landslide processes in India's earthquake-conditioned landscapes	British Geological Survey	Unsuccessful
13538	(CHAND)Cascading Hazards from submarine Landslides offshore INDia: From fundamentals of landslide inception to developing robust resilience strategies	National Oceanography Centre	Unsuccessful
13690	Quantifying earthquake hazard and enhancing resilience in India	University of Cambridge	Successful
13900	ANAMUDI: Advancing New Approaches for Mitigating landslide risk Under changing climatic and anthropogenic Drivers in India	University of Sheffield	Unsuccessful
14174	PRADESH: Providing Resilience against South Asian Disasters from Earthquakes and associated Seismic Hazards	Durham University	Unsuccessful
14858	Integrated tsunami modelling, warnings and risk assessments for India	University College London	Unsuccessful

14965	Dynamic Risks for Cascading Himalayan Hazards	University of Edinburgh	Successful
15335	SAMHAL: Systematic Analyses and risk Mitigation of HimAlayan Landslides	Imperial College London	Unsuccessful
15490	URBIS: Urban Resilience Boosting Indian earthquake-landslide Science	University of Bristol	Unsuccessful
15491	AI-powered Multi-modal Data-driven solutions for early landslide prediction and community Resilience in India (AIMDRes)	Robert Gordon University	Unsuccessful
15497	Understanding Landslide and Seismic Risk in Northern India (LaSeR-NI)	University of Stirling	Unsuccessful
15511	LANDSAFE - Landslide Analysis and Next-generation Detection Systems for Advanced Forecasting and Evaluation	University of the West of Scotland	Unsuccessful
15738	OceanAI	Newcastle University	Unsuccessful
15754	Modelling Landslides in Himalayan Region to Build Community Resilience under Changing Climate: SYNCLINE	University of Southampton	Unsuccessful
15818	People-Centered Tsunami early Warning for the INdian coastlines (PCTWIN)	University College London	Successful
16220	Seismo-Tectonics and Related geohazards in eastern India	University of Oxford	Unsuccessful
16537	Indian Continental Earthquake Risks	University College London	Unsuccessful
17274	ALlianceE for Resilience to Andaman Tsunamis (ALERT)	University of Bath	Unsuccessful
17291	SMECDE Forecasting Landslide Occurrences	University of Portsmouth	Unsuccessful
17388	Land-MSRS System for Detecting Landslides caused by Human Interaction and Extreme Climate Change	University of Liverpool	Unsuccessful
17898	The properties, mechanisms, and hazards of interplate and intraplate earthquakes in India	University of Liverpool	Successful
17912	SEISMICARE: Seismic Event Investigation, Safeguarding, and Mitigation in India through innovative Computing and Artificial intelligence REsource	University of Strathclyde	Unsuccessful
18056	Earthquake and Rainfall induced Landslide Hazard: Vulnerability, Risk and Mitigation in the Himalayan Region of India & Nepal	University of Cambridge	Unsuccessful
18128	An interdisciplinary analytical framework for high-mountain landslides and cascading hazards: implications for communities and infrastructure	University of Aberdeen	Successful
18132	RESULT: Building RESilience to cascading MULTi-hazards triggered by landslides in the eastern Indian Himalaya	University of Plymouth	Unsuccessful
18476	Assessment of Seismic Liquefaction Hazards In Northwest India (ASHINI)	Imperial College London	Unsuccessful
18492	Nature-Based Geohazard Mitigation in Indian Hilly Areas (NAGMA)	University of Surrey	Unsuccessful
18553	Risk assessment for cascading hazards in the Himalayas using Distributed Acoustic Sensing (DAS) data with the aim of mitigating future risk	City, University of London	Unsuccessful

18882	Near real-time monitoring of slope stability via a swarm of UAVs	Queen Mary University of London	Unsuccessful
18933	Enhancing Landslide Resilience in Uttarakhand, India: Long-Term Impacts of Extreme Weather for Informed Decision-Making	University of Birmingham	Unsuccessful