Social Development for Communities FOUNDATION

May 2023 Uttarakhand Disaster & Accident Synopsis (UDAS) Monthly Reports

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About UDAS Monthly Reports

Uttarakhand Disaster & Accident Synopsis (UDAS) is a monthly initiative by Dehradun-based environmental action and advocacy group, Social Development for Communities (SDC) Foundation. The goal of the UDAS reports is to document disasters and accidents in Uttarakhand, leading to human and ecological casualties. UDAS is based on media reports in respectable publications in English and Hindi newspapers, as well as news portals. UDAS neither attempts nor claims to document all disasters and all accidents in Uttarakhand; its focus instead is to document major casualties and non-casualty events on a regular basis.

We strongly believe that with the perils of inclement climate and unabated disasters, the ecologically fragile and earthquake-prone state of Uttarakhand needs to take many more steps to increase its disaster preparedness. We, therefore, see UDAS as a document that highlights attention towards the urgent need of a holistic disaster management and accident minimization policy framework in Uttarakhand.

It is our earnest hope that UDAS will spur political leadership, policy makers, bureaucracy, research and academic institutions, businesses, civil society organisations, media and the citizenry at large to initiate inclusive, regular and action-oriented conversations on the subjects of resilience, mitigation and adaptation in Uttarakhand. With mainstreaming and a greater focus on the issue, there is likely to be an improvement in the process of planning of climate actions and disaster management in Uttarakhand.

1. May 2023 update : Joshimath "sinking"

Amar Ujala reported on May 2, 2023 that as per a report in the European Geoscience Union's Journal of Natural Hazards and Earth Sciences April 2023 that was published based on research by Dr. Vipin Kumar, Assistant Professor, Department of Geology, Doon University in Dehradun, Uttarakhand the land in Joshimath can move by 20 to 21 metres in case of an earthquake with a magnitude of six.

Dr. Vipin Kumar said that earthquakes had earlier taken place in Chamoli in 1999 and in Uttarkashi in 1991 in Uttarakhand and these were devastating earthquakes. The site of the Chamoli earthquake in 1999 was 26 kilometres away from Joshimath. Dr. Kumar started his research after cracks appeared recently in buildings in Joshimath. He has claimed that this is a first ever research of its kind in the country where land subsidence has been calculated based on rainfall, sewage or earthquake.

Dr. Vipin Kumar said that Joshimath is located in the Main Central Thrust (MCT) area and there is a high probability of an earthquake. Data for Dr. Kumars research was based on the Chamoli earthquake of 1999. The report is funded by DST based on funding received by Hemvati Nandan Bahuguna Garhwal University Professor Yash Pal Sundriyal.



Around 132 families were staying in state-run shelters in Joshimath till the end of April 2023. Most of them were initially asked to vacate these shelters which included government buildings, hotels and homestays by April 30. In the beginning of May some took up rented accommodation, others went to relatives homes and quite a few returned to their cracked houses since they were left with no other option . However, some families were later offered alternative places to stay.

TOI reported on May 9, 2023 that several houses across the three wards which were earlier under green zone and considered safe by experts, have started developing cracks. In some places, existing cracks have widened with the recent spells of rain adding to the problem. Narendra Tamta, a resident of Gandhinagar whose house was put under "green zone" during the initial survey by a team of experts from Central Building Research Institute (CBRI) said that "new cracks have appeared in my house and the existing ones have widened in the fortnight. After noticing fresh cracks, I had submitted an application at the tehsil office following which a fresh survey was conducted by a team from the district administration. They said that these cracks are not serious". Joshimath Bachao Sangharsh Samiti (JBSS), a collective of concerned citizens organised a large-scale mashal protest march on May 11, 2023. The protest aimed to amplify their long standing demands, which include the rehabilitation of all affected families, the cancellation of NTPC's Tapovan Vishnugad hydel project, and the Helang Marwari bypass project.

Hindustan Times reported on May 19, 2023 that the Uttarakhand government gave permission to start the construction work on Helang Marwari bypass. The work on the project was stopped on January 5, 2023 due to buildings developing cracks in the town of Joshimath.

Govt okays construction of bypass in Joshimath

HT Correspondent

MUSSOORIE: The Uttarakhand government has given permission to start the construction work on Helang-Marwari bypass in Chamoli district's Joshimath town, people familiar with the matter said on Thursday.

The work on the project was stopped due to buildings developing large-scale cracks in the town. The construction work on the five km long Helang-Marwari bypass was stopped on January 5 after the cracks developed in houses in Joshimath, which was followed by an agitation by the residents under the banner of the Joshimath Bachao Sangarash Samiti.

Confirming the development, Ranjit Kumar Sinha, secretary disaster management said that based on the reports of experts from Indian Institutes of Technology (IIT) Roorkee, the public works department and Tehri Hydro Development Corporation Limited (THDC), conditional permission has been given for the construction of the Helang-Marwari bypass.

"We have told the concerned



The construction work on the five-km-long Helang-Marwari bypass was stopped on January 5 after the cracks developed in houses in Joshimath.

agencies that there should be no impact on Joshimath due to construction activities and no blasting should be carried out that affects Joshimath in any way. Our officials will also conduct checks on their level to

ensure that construction is carried out without any impact on Joshimath," the secretary said

Reacting to the development, Atul Sati, convener of Joshimath Bachao Sangarash Samiti said, "It is sad that approval has been given to the construction of Helang Marwari bypass which is being constructed right at the base of Joshimath town and any blasting activity will adversely affect the town triggering further ouster of people from their houses due to the widening of cracks".

"To give the approval prior to making the report public by eight government agencies that were assigned the task to assess the damage to the town and the future recommendations, is not right," said Sati.

The residents of Joshimath are also opposing the move as it will affect their livelihood if the Char Dham yatra is conducted via the Helang-Marwari Bypass road.

Kailash Joshwal, municipal ward member of Gandhinagar in Joshimath, said, "The permission for the construction of the bypass road by the government has instilled apprehensions among the residents of Joshimath as a whole. The economy of a large section of people here is dependent on Char Dham yatra. With the bypass, it will be severely affected."

"The bypass road will hit local businesses and rob them of livelihood as the yatra instead of passing through the town will pass directly to Badrinath shrine through the proposed bypass," Joshwal added.

19 MAT/ 2023 HINOUSTAN TINGS

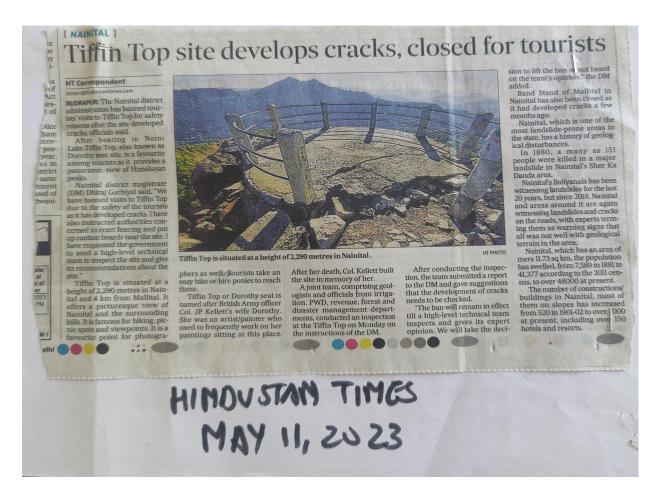
The High Court of Uttarakhand permitted NTPC to carry out civil work in the tunnel at Joshimath on May 23, 2023 with certain restrictions. The court said that no explosives and heavy machinery would be used for maintenance work and cleaning of the tunnel.

2. Tiffin Top site developed cracks, closed for tourists

Hindustan Times reported on May 11, 2023 that the Nainital district administration has banned tourist visits to Tiffin Top for safety reasons after the site developed cracks. Tiffin

Top is situated at a height of 2,290 metres and is a favourite among tourists as it provides a panoramic view of Himalayan peaks.

Nainital is one of the most landslide prone areas in Uttarakhand and has a history of geological disturbances. In 1880, as many as 151 people were killed in a major landslide in Nainital's Sher Ka Danda area. Nainital's Baliyanala has been witnessing landslides for the last 20 years, and with other areas around Nainital witnessing landslide and cracks, experts have termed these as warning signs that all is not well with the geographical terrain in the area.



3. Tungnath, world's highest Shiva temple, tilting by 6-10 degrees

Times of India reported on May 17, 2023 that a study conducted by the Archeological Survey of India (ASI) has found that the Tungnath temple, the world's highest Shiva temple which faces north and is located at an altitude of 12,800 feet in Rudraprayag district is tilting by around five to six degrees and the smaller structures in the complex by 10 degrees.

ASI officials informed TOI that they have apprised the central government about the findings and suggested that the shrine be included as a protected monument. The government has started the process of declaring it as a monument of national importance and issued a notification seeking objections from the public as a matter of procedure.



About Social Development for Communities (SDC) Foundation

SDC Foundation is a Dehradun-based environmental action and advocacy group engaged in communication, citizen engagement and capacity building in the Himalayan state of Uttarakhand. The foundation works in partnership with the institutions of Government of India, Government of Uttarakhand and other stakeholders such as research & academic institutions, community groups, civil society, media partners, NGOs, businesses & trade bodies, schools & colleges in the state.

Climate and environment conservation, waste management, sustainable urbanisation and a basket of sustainable development issues are key focus areas of the foundation.

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PS : Errors or omissions in UDAS documentation, if any, are purely unintentional. In case any errors or key omissions are detected or any fresh updates are available for events that are already documented, SDC Foundation may kindly be notified at email id contactsdcuk@gmail.com. We shall make the necessary corrections in subsequent versions of the monthly reports of UDAS.

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