

CSIR-CIMFR Contribution for Silkyara Uttarkashi Tunnel Rescue Work during November 2023:

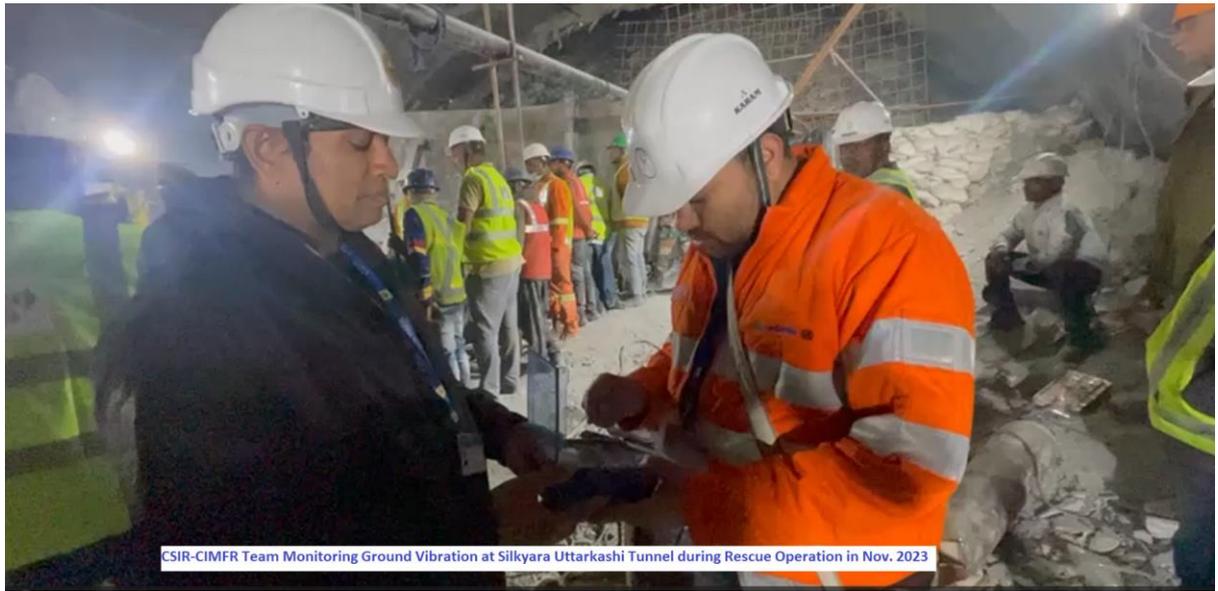
The Silkyara-Barkot 4.5 km long Highway Tunnel in Uttarkashi for Char Dham project is under construction. Unfortunately, on 12th November, 2023 a portion of this tunnel was collapsed and 41 workers were trapped till 28th November, 2023. They were rescued after several attempts by regional, national, and international agencies. The CSIR-CIMFR Roorkee Centre team has also contributed in rescue operation involving Dr. R.D. Dwivedi, Chief Scientist & HoS along with Dr. Ashok Kumar Singh, Scientist and Mr. Manish Meena, Technical Officer visited Silkyara Uttarkashi on short notice from Director CIMFR and honourable PMO.

When horizontal drilling was getting frequent trouble, other additional fronts were required to open for rescue. Vibrations developed by Heavy Earth Movers (HEM) and vertical drilling were suspected to affect the tunnel roof near the collapsed zone and near the people engaged in horizontal drilling operations. In that case vibrations induced by HEM and various drilling operations were required to be monitored. CIMFR team has carried out this critical work at site for 24x7 to enable the rescue drilling work safely and prepared the report.

About CSIR-CIMFR Roorkee Centre: This centre is known as Centre of Excellence for Tunnelling and Underground Space Technology. The centre is working in this area since 1973 for application-oriented large national projects of highway, railway, hydroelectric tunnels and contributed for the development of site-specific technology.

Silkyara Uttarkashi Tunnel Rescue Operation Photographs:





CSIR-CIMFR Team Monitoring Ground Vibration at Silkyara Uttarkashi Tunnel during Rescue Operation in Nov. 2023