



## **TALGEST: A Multimedia Educational Website Showcasing Volcanic Awareness and Preparedness**



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# Ashfalls



***In addition to the Lateral blasts and Lava flows, there are also Ashfalls, Ballistic Projectiles and Volcanic Gas.***

Tephra (fragmented particles) or Ash (fragmented volcanic particles less than 2mm in diameter) are propelled through the atmosphere in an eruption plume or an eruption column that eventually fall or gravitationally settle over areas downwind of an erupting volcano, forming blankets of "tephra fall" or "ashfall". Ashfall can also be rained out from the ash clouds of PDCs.

Tephra or ashfall can accumulate as thick blankets of material, causing infrastructural damages, roof collapse, contamination of water resources and burial. Ashfall is a health hazard and a danger to aircraft and other industrial machinery, such as those for transportation and power generation.

Large particle tephra called volcanic bombs that are too heavy to transport in eruption columns are ejected straight out of the volcanic vent as ballistic projectiles that fall near the vent