Post-earthquake environmental hazards in Balakot, Khyber Pakhtunkhwa, Pakistan

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Abstract

In this study soil radon concentration measurement were carried out near the Balakot Bagh Fault line (B-B) and in the surrounding areas of 2005 earthquake Hazara KPK- Pakistan using an active technique of RAD-7 for alpha spectroscopy. The aim of the study was to assist the post earthquake environmental hazards to the people of the area. The measurements were taken in the summer season (16 May to 15 August) 2013. Soil gas radon concentrations were found higher near the B-B fault line with an average value of 11.9$kBqm^{-3}$as compared to other sites of the study area which average value was around 4$kBqm^{-3}$. The mean value of soil gas radon concentrations in the whole study area was found as 7.6 $kBqm^{-3}$.