

Can the Kangra-type earthquakes be raised by the fault propagation folds along the Himalayan Front ?

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For the following reasons, we cannot accept that the Kangra-type great earthquakes are raised by the coseismic folds propagated from the Himalaya Frontal Fault (HFF). The Sub-Himalaya is characterised by a piggyback sequence dominated by the HFF. Morphostructural profiles and growing rate of the Sub-Himalaya are in accord with crustal movement surveyed in interseismic periods. However, the crustal deformation caused by the 1905 Kangra earthquake was in conflict with the morphostructure. These facts suggest that the HFF is not the source fault of the Kangra-type earthquakes. That kind of catastrophic earthquakes can occur from the Lesser Himalaya, therefore, we must pay special attention to a strain that will be observed in the zone across the Main Boundary Thrust Sheet.