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Deterministic Seismic Hazard Assessment of Center-East IRAN (55.5-58.5˚E, 29-31˚N)

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Center-East IRAN (55.5-58.5˚E, 29-31˚N)
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Deterministic seismic hazard assessment has been performed in Center-East IRAN, including Kerman and adjacent regions of 100km is selected. A catalogue of earthquakes in the region, including historical earthquakes and instrumental earthquakes is provided. A total of 25 potential seismic source zones in the region delineated as area sources for seismic hazard assessment based on geological, seismological and geophysical information, then minimum distance for every seismic sources until site (Kerman) and maximum magnitude for each source have been determined, eventually using the N. A. ABRAHAMSON and J. J. LITEHISER '1989 attenuation relationship, maximum acceleration is estimated to be 0.38g, that is related to the movement of blind fault with maximum magnitude of this source is Ms=5.5.