

SEISMIC HAZARDS AND URBAN DEVELOPMENT AT PORT NUWEIBA, SINAI, EGYPT

Mohammad G. Al-Ibiary

Nuweiba is located at the western side of the gulf of aqaba. Earthquake swarms struck the gulf of aqaba on november 22nd, 1995. the recorded magnitudes range between 6.4 and 7.3. a maximum intensity of ix (msk) was assigned for port nuweiba, where severe damages were accompanied with soil liquefaction.the present research constitutes a shallow seismic surveying at port nuweiba as well as the seismic hazard assessment based on all the historical and recent earthquakes that have been recorded within a circle of 100 km radius having port nuweiba at its center. The present study thus elucidates a distribution of subsurface faults, a 3d image of the bedrock and the dynamic properties of soil at port nuweiba together with some other engineering parameters that have to be considered in the future developing plans.