

عنوان مقاله:

Development of a new method for tunnel site rating from groundwater hazard point of view

محل انتشار:

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خلاصه مقاله:

in this research, considering the experiment of tunnel inflow due to 10 different tunnels in iran and adopting idea from idea from site geomechanics rating like RMR, a new method has been developed for rating the tunnel site to evaluate the potential of tunnel inflow according to the preliminary investigation data. this method is called site groundwater rating SGR considered parameters in this method are: joint frequency, joint aperture, karstification, crushed zone, schisty, head of water above tunnel, soil permeability, and annual raining using these parameters and following SGR method tunnel site can be categorized into six rates as follow no risk moderate risk risky, high risk and critical. the method has been checked out with the observed groundwater in flow of ghomroud and also implied to rate the amirkabir tunnel site in iran.

کلمات کلیدی:

site rating, seepage, groundwater, tunnel site investigation

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