

عنوان مقاله:

Research on squeezing potential in Beheshtabah water transport tunnel

محل انتشار:

اولین کنفرانس ملی فناوریهای معدنکاری ایران (سال: 1391)

تعداد صفحات اصل مقاله: 6

نویسندگان:

M.J Rahimdel - M.Sc. Student of mining engineering, Mining, Petroleum and Geophysics Faculty, Shahrood University of Technology, Shahrood, Iran

R. Bagherpour - Assistant professor, Department of Mining engineering, Isfahan University of Technology, Esfahan, Iran

S Mahdevari - Assistant professor, Department of Mining engineering, Isfahan University of Technology, Esfahan, Iran

خلاصه مقاله:

The survey of squeezing potential and time dependent convergence is the first step of tunnel design. Lining failure and section deformation of tunnel under overloading and finally time dependent creep, are the effects of this phenomenon. So this phenomenon can cause more cost, delay in implementing the project and damage to concrete liner in tunnel advancing. Beheshtabad water transfer tunnel, with 1070 million cubic meter annual transfer ratio has been planned to solve water shortage problems in agriculture and industry in central plateau of IRAN. This tunnel with about 67 kilometers length and 6 meter diameter will be largest water transfer tunnel. As for more zones of this tunnel included limy stone with high overburden, dangers of squeezing must be considered. In this paper at first with geological sampling, geophysics studies and boreholes, tunnel has been zoned then with the use of various criteria .squeezing potential has been evaluated

کلمات کلیدی:

Central Plateau of IRAN, Beheshtabad tunnel, Squeezing potential, Convergence

لینک ثابت مقاله در پایگاه سیویلیکا:



