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سازمان بنادر و دریانوردی



Evaluation of Rock Borrow Materials In Northern part of Persian Gulf

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Abstract

Persian Gulf is the main economical rout for Iran and other countries in the region. The northern shoreline of Persian Gulf plays an important role for transit and safe passage, base on goods and energy transmission by the sea from central Asian countries to the world. Therefore, build of portal constructions, anchorage, sea terminals, access roads, and etc. is necessary. Building of this obvious constructions needs to suitable borrow and construction materials, of course.

Rocks play an important role as a main material and also cheap, in shoreline constructing. The only source of this material in northern sections of Persian Gulf, is Zagros Mountains formations. Unfortunately, due to special circumstances of tectonostratigraphical subjects in the southwest side of Zagros mountains, access to suitable and strong rock units, often is very difficult.

The main reason is existence unsuitable layers of Neogene (as like : Mishan Fr., Aghajari Fr. , & Ghachsaran Fr.) over the suitable and strong layers (as like : Asmari Fr. , & Sarvak Fr).

In this paper, evaluated for the reason of ease of access to rock borrow materials, and with considering of different factors and parameters, as the distance, access roads, quality and quantity of the materials, an initial zoning is presented. In each zone, the characteristics of existance rock unit layers, way of access, and obtaining costs (relatively) has been studied.