عنوان مقاله:

INCREASING OF BERM BREAKWATER STABILITY BASED 2D AND 3D PHYSICAL MODELING TESTS RESULTS: CASE STUDY OF SHAHID BEHESHTI BREAKWATER

محل انتشار:

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خلاصه مقاله:

As a part of Shahid Beheshti Port development project, existing breakwater shall be further extended about 1500m. Since the quarry material is available in the vicinity of project area, the rubble mound breakwater with armor stone has been selected for the extension parts. Considering the high design waves, the conventional breakwater needs large heavy rocks. However the extraction, transportation and handling of rock is limited to access to quarrywith appropriate quality of rock in the vicinity of project location and also availability of equipments with enough capacity. Therefore, with considering these limitations, Berm Breakwater has been selected as the best alternative. This type of breakwater is allowed to bereshaped statically or dynamically and its dimensions are a function of acceptable extends ofrecession area. In this project for verifying the designed breakwater, 2D and 3D physical modeling tests has been implemented to ensure the structure stability. Same section for breakwater trunk and round head has been tested under several hydrodynamic conditions

کلمات کلیدی:

,Berm Breakwater, Physical modeling tests