TIME AND COST ANALYSIS
FOR JACKET STRUCTURE LOADOUT PROCESS
USING DOLLY AND SKIDWAY

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ABSTRACT

Constructions of offshore platforms are built in at offshore fabricator, where loadout process is one of the work stages performed. Loadout process can be done using three methods, namely using skidway, lifting and using dolly. Loadout process requires thorough technique planning and precise cost planning, so the production cost can be kept under control and does not experience overruns. In this study, an analysis is conducted to determine the comparison of time and cost required in the jacket structure loadout process using dolly and skidway. Determination of the optimum time and cost for the jacket structure loadout process using the dolly and skidway is done with the help of Microsoft Office Project 2007 software by entering the data of work duration, manpower needed for the work, rented equipments, labor costs and equipments rental fees. The optimum time obtained to complete the jacket structure loadout process using dolly is 14 days with the required cost of U.S. $ 156,657.32. The jacket structure loadout process using skidway takes 16 days to be done with the required cost of U.S. $ 88,991.13.

Keywords: cost, dolly, jacket structure, loadout, skidway, time
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