

Assessment of Factors Affecting Time and Cost Performance of Indigenous and Foreign Contractors in Nigeria

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SUMMARY

As a result of pollution, deforestation and other environmental challenges, construction process and activities has contributed in no small measure to environmental degradation. One of the fundamental tri-pod of sustainability is keeping the environment safe for the inhabitants. This study therefore examine the impact of construction activities on the environment with a view to highlighting mitigating approaches and their enforcement strategies. A quantitative research methodology was adopted, and convenient sampling technique was employed to gather from primary sources. Questionnaires were administered on construction professionals, that is, architects, quantity surveyors, engineers, safety officers as well as construction and facility managers. Construction activities impact badly on the environment due to waste generation, resource consumption (such as water, electricity and fuel consumption during the construction process), noise pollution, air pollution due to dust from construction activities as well as bad odours from large diesel powered vehicles/construction machinery. Although, some of these impacts cannot be completely eradicated, there are a number of approaches that could be used to mitigate them, these include Environmental Impact Assessment (EIA), green building (sustainable construction), Quantitative Risk Assessment (QRA), Environmental Management System (EMS), and Environmental Protection Agency (EPA). Therefore, an effort should be made by government and construction stakeholders to efficiently incorporate and enforce the available approaches/ initiatives through constant monitoring of construction process from start to completion and legislative laws that spell out punishment as response to violations. Awareness, learning and trainings of construction stakeholders on the impacts of building construction activities on the environment is also recommended

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