Green Building Technology for Environmental Sustainability

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The sustainability of eco concrete blocks industries is imperative to the well-being of our planet and to human development. However, the production of conventional cement, an essential constituent of eco concrete blocks leads to the release of a significant amount of carbon dioxide and other greenhouse gases. Conventional cement is not an environmentally friendly material due to the fact that its manufacture creates greenhouse gas emissions and leads to reduced supply of good-quality limestone and clay. The most energy-intensive stage of conventional cement production is during clinker production. It accounts for all but about 10% of the energy use and nearly all of the greenhouse gases produced by cement production. A good way to achieve sustainable development and sought a balance between socio-economic as well as environmental concerns in promoting green building and construction projects considered an important part of environmental sustainability. The study research objective was to explain the significance of eco-concrete blocks in the building industry for environmental sustainability. This study was exploratory in nature since the literature review and primary data were gathered from relevant documents published by individual researchers and the National Construction Authority were the main sources of data for this paper. Organizations are working to produce better eco-friendly green building products such as eco-concrete blocks and developing new ways of reuse and recycling products. Eco-concrete blocks are highly recommended for their durability, resource efficiency & minimize wastage.

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