

Living and Sustainability: An Environmental Critique of Design and Building Practices, Locally and Globally

1. Paper / Proposal Title: Solid Waste Management in Developing Nations: An Assessment of Residential Apartments in Ikeja, Lagos State

2. Format: Written paper

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4. University or Company Affiliation: University of Lagos

5. Abstract (300 words):

Waste management has been in the fore of environmental management, and it plays a major role in the sustainability of neighbourhoods and residential buildings. It is considered an important aspect of building practice, study of which leads to strategies and innovations in wastes handling. The concentration of government agencies in terms legislation and the management of waste has mostly been on the streets and neighbourhoods. The residential buildings where domestic wastes that go into the neighbourhoods are generated are usually given less attention. Premium is not put on management of wastes within apartments in the process of design and building approvals. Most generated wastes in Nigeria are domiciled in Lagos state, where Ikeja is the administrative capital. This paper focuses on the waste management situation of the

study area, through the attitudes of residents. Data is collected on patterns of waste disposal, methods of waste storage; frequency of disposal and the perception of residents on the compatibility of their apartments to waste management. Questionnaires were administered, taking into cognisance, the classified density areas of high, medium and low, and also the delineated wards under them. The only ward under the high density ward was selected, while a ward each was randomly selected from medium and low density areas. A total of 750 questionnaires were administered in selected streets within the density zones, based on number of buildings. A retrieval rate of 73.3% was recorded. Verified questionnaires were subjected to frequency analysis. Most respondents leave their wastes within their apartments for between four to six days, before disposing, without sorting. These wastes are mostly stored in undedicated areas of their apartments. These behavioural tendencies breed vermin and disease prone agents like flies, mosquitoes and rats.

6. Author(s) Biography (200 words each):

Bolawole Femi Ogunbodede is a Nigerian born on the 5th of March 1964, in Ondo state of Nigeria. After his secondary school education, he attended the University of Lagos, where he graduated with BES, B,Arch (an equivalent of B.sc, M.sc) from the Department of Architecture. He is registered with Architect's Registration Council of Nigeria. He is also a member of the Nigerian Institute of Architects.

He worked in several organisations, which includes Shelter Communications on the media promotion of environmental and building issues. He is currently a Lecturer at the Department of Architecture, University of Lagos.

Professionally, he designed and supervised several projects, These include the JP Clark centre, situated at the University of Lagos, proposed Student Affairs Building for University of Lagos, Akoka, Lagos and the proposed Student Centre, for University of Lagos, Akoka, Lagos Nigeria.

He has attended several workshops, trainings and seminars, these include; Workshop on Mainstreaming Climate Change: Adaptation in University of Lagos Curricula and Workshop for Housing Researchers/Lecturers on Contemporary issues in Teaching, Learning and Practicing in Housing.

He is currently undergoing a research on the "Assessment of the Sustainability of Neighbourhoods and Residential Buildings in Ikeja, Lagos State.

He is married with two children.