

**PROPOSED 'OODUA BROADCASTING TELEVISION
STATION (OBTS) ILE-IFE, OSUN STATE.**

ACOUSTIC CONTROL THROUGH ARCHITECTURAL DESIGN AND
MATERIALS

BY

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(PG/MSc/09/53927)

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SUBMITTED TO

THE DEPARTMENT OF ARCHITECTURE

SCHOOL OF POST GRADUATE STUDIES

UNIVERSITY OF NIGERIA, ENUGU CAMPUS

ENUGU STATE, NIGERIA

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF MASTER OF SCIENCE DEGREE (MSc) in Architecture

MARCH, 2013.

ABSTRACT

Acoustics in a broadcasting station deals with the science of sound as it affects design of broadcasting stations and architecture as a whole. This refers to the construction of building and how the quality of sound in such building is perceived by the user. The functional requirements of broadcasting station will not be complete without due consideration of the sound production (acoustics) of the space and the effect of both internally and externally generated sound on it. Studios therefore can only fulfill requirement as a functional space if noise reduction is taken as one of the design consideration for broadcasting station. Due to the technicality of the research work, methods applied for extraction of information are literature review, collection of data, case studies, internet browsing and oral reviews with the staffs working at broadcasting stations where my case studies were done. It is hoped that this research work will not only enlighten professionals on the importance of acoustics as a major consideration in studio design but also create an awareness of wide range of materials to use for acoustic problem solving in broadcasting station design. The research work is aimed at designing a broadcasting station in which the studio shall be sound insulated from internal and external noise sources by the use of sound absorption materials and effective acoustic materials on the walls, floors and ceiling. Proper zoning of functional spaces within the broadcasting complex is also devised to enhance the acoustic property of the studio.