

DESIGN OF THE ELECTRICAL SERVICES
OF AN OFFICE BLOCK

by

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Project Report

Submitted to

the Department of Electrical Engineering
of the Higher Technical Institute

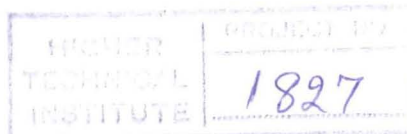
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This project deals with the design of the electrical and telecommunication services of an office block. The whole work was carried out according to the 15th edition of IEE regulations and local E.A.C requirements.

In carrying out this design the work done was divided into various sections, each one of which includes briefly the following:

CHAPTER 1 deals with the illumination design work and the calculation of the lighting points required in each room. The illumination design was done using "Trilux" catalogues.

CHAPTER 2 deals with the electrical installation design of the building. Typical calculations and tabulated results for lighting and power circuits are included.

This chapter also includes the final results for electricity distribution in the building.

In CHAPTER 3 the various tests that must be carried out after the work completion and before the connection of electricity supply are described briefly.

CHAPTER 4 gives informations about earthing including definitions and requirements for protection in case of an earth fault.

is made, based on the recent prices of the materials in the local market

Finally CHAPTER 6 deals with the telecommunication services of the building.

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