

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING COURSE

DIPLOMA PROJECT

"INTRODUCTION OF ISO 9000 QUALITY STANDARD
INTO A METAL INDUSTRY"

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by

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A B S T R A C T

The objective of this project is to make a simple recording of all processes and activities followed by the metal industry and study on how to introduce an ISO 9000 Quality Standard, its objectives, benefits and maintenance of such a standard while also make suggestions for any further improvements.

The case study was carried out in VIOMETAL LTD. This company is producing safes, strongrooms, office furniture and equipment, hotel and restaurant furniture and equipment as well as engineering constructions.

The whole content of the project is divided into seventeen chapters.

In the first chapter there are nine quality definitions as to enter the general idea of quality.

In the second chapter a detailed introduction on the ISO 9000 standard is made.

In the third chapter reference is made on quality policies and structures.

The fourth chapter refers to the management responsibility and authority, and on the review of the quality system.

The fifth chapter explains what is contract review and what are the procedures followed.

On the sixth chapter reference is made on the documentation control of the industry.

The seventh chapter refers to purchasing, records and

registrations kept in the firm and how are maintained.

The eighth chapter identifies the work in process as well as the product flow organization.

Chapter nine makes reference on the process control of the industry.

Chapter ten refers to the inspection, testing and test status process.

Quality records are presented on chapter eleven.

Chapter 12 shows all the procedures followed in handling, storage, packaging and delivery of the goods.

Chapter thirteen makes a small reference on safety measures and their regulations present in the company.

On chapter fourteen ergonomics applied to the firm are being mentioned.

The fifteenth chapter mentions all the statistics made and processes followed as well as recommended ones.

Chapter sixteen refers to the training provided and suggestions made on this.

Improvement suggestions are made, on all subjects, on chapter seventeen.

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