

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

PREPARATION OF BILL OF QUANTITIES

USING BQMICRO SOFTWARE

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C 813

JUNE 1997

PREPARATION OF BILL OF QUANTITIES

USING BQMICRO SOFTWARE

by

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Project Report

Submitted to

the Department of Civil Engineering

of the Higher Technical Institute

Nicosia Cyprus

in partial fulfillment of the requirements

for the diploma of

TECHNICIAN ENGINEER

in

CIVIL ENGINEERING

June 1997

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 2774
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HIGHER TECHNICAL INSTITUTE  
NICOSIA - CYPRUS

CIVIL ENGINEERING DEPARTMENT

Academic Year 1996/97

Diploma Project Number: C/813

Title: Preparation of Bill of Quantities Using Computers

Objectives:-

1. To use the drawings provided to prepare the bill of Quantities using computers.
2. To write a report on the use of computers in Quantity Surveying in Cyprus.
3. Part of taking off will be done by hand and compared with that done by a computer method.

Terms and Conditions:-

1. To refer to SMM7.
2. To visit local Q.S. firms and discuss with them the taking off methods used.

Student : Evridiki Mikellidou (3CE2)

Supervisor : Mr A Kkolos

External Assessor : Mr Stephanos Andreou

AK/DP

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## **ACKNOWLEDGEMENTS**

My sincere appreciation to Mr. A. Kkolos, Civil Engineer, Lecturer of the H.T.I., my project supervisor, for his great help throughout the preparation of my project.

Likewise, my thanks to MDA (CYPRUS) Ltd, to Mr. S. Andreou, Quantity Surveyor, Manager of MDA and especially to P. Alvani for his assistance and guidance throughout my project.

Finally, thanks are extended to J&A Philippou, Architects and Engineers, for the provision of the project's drawings and specifications.

## **INTRODUCTION**

The objective of this project was the preparation of Bill of Quantities Using Computers.

Part of the Taking Off was done by hand using the SMM7 and the rest was done using the Digitizer Computer Program. The Standard Method of Measurement provides a uniform basis for measuring building works and embodies the essentials of good practice. The SMM7 was issued by the Royal Institution of Chartered Surveyors and the Building Employers Confederation. The digi-point digitizer software has been developed by ABS Oldacres Computers Limited (OCL) to operate with digitizer boards supplied by the GTCO Corporation. The software is menu driven for ease of use and operates with digitizer boards ranging in size from A4 to A00. In Section 2, you can find more about the digitizer.

The Abstracting and Final Bill was done using the BQ-Micro Computerized System. BQ-Micro is a computer system devised and developed for the production of Bills of Quantities from architect's drawings using micro computer equipment. In Section 3, you can find more about this program.

Computers are being used by Quantity Surveyors to an ever increasing extent for bill production and other quantity surveying functions, and their main characteristics and uses are now considered.