DEPARTMENT OF BUILDING SURVEYING FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA

A STUDY ON THE SELECTION OF CONTRACTUAL ARRANGEMENT IN ACHIEVING EFFECTIVENESS FOR MAINTENANCE WORKS (CLEANING SERVICES FOR OFFICE BUILDING)

"I hereby declare that this academic project is the result of my own research except for the quotation and summary which have been acknowledged"

STUDENT'S NAME : NOOR HAFIZAH BINTI MOHD YASIM

SIGNATURE

Jan.

UITM NO : 2006800005 DATE : 20 APRIL 2008

DEPARTMENT OF BUILDING SURVEYING FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA

ACADEMIC PROJECT BSB 608 & BSB 658

COMFIRMATION OF ACADEMIC PROJECT AMENDMENTS

This is to confirm that the student has amended his/her academic project as directed and therefore allowed to compiles

STUDENT'S NAME : NOOR HAFIZAH BINTI MOHD YASIM

UITM NO : 2006800005

TOPIC : A STUDY ON THE SELECTION OF

CONTRACTUAL ARRANGEMENT IN ACHIEVING EFFECTIVENESS FOR MAINTENANCE WORKS (CLEANING SERVICES FOR OFFICE BUILDING)

SUPERVISOR'S NAME : SR. EN. MAHAYUDIN BIN MAHMOOD

SIGNATURE : Malyndai

DATE : 20 APRIL 2008

ABSTRACT

In carrying out the maintenance works, there are two types of maintenance works system that can be used whether by in-house or contract service. The maintenance works being done by contract service needs a contract document as the agreement between the employer and the company being appointed for carrying out the maintenance works. However, there are several types of maintenance contract that can be used and each type of contract has its own characteristics.

In this final project, the evaluation on each type of contract is done in order to determine the appropriate standard of each type of contract which in this study focuses on the maintenance cleaning services for office building. The results obtained will show which type of contract is the most appropriate for cleaning services contract.

TABLE OF CONTENTS

ABSTRACT	i
ACKNOWLEDGEMENT	ii
TABLE OF CONTENTS	iii
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF CHARTS	хi
LIST OF APPENDICES	xii
1.0 INTRODUCTION	
1.1 GENERAL	1
1.2 ISSUE AND PROBLEM STATEMENT	5
1.3 AIM OF STUDY	6
1.4 OBJECTIVES	7
1.5 SIGNIFICANT OF STUDY	8
1.6 SCOPE AND LIMITATION OF STUDY	9
1.7 RESEARCH METHODOLOGY	10
1.8 OUTLINE OF CHAPTER	11

2.0 MAINTENANCE

2.1 INTRODUCTION	13
2.2 TYPES OF MAINTENANCE	15
2.2.1 Planned maintenance	16
2.2.2 Unplanned maintenance	18
2.3 MAINTENANCE PROGRAMME	20
2.3.1 Types of maintenance programme	21
2.4 MAINTENANCE WORKS SYSTEM	24
2.4.1 In-house	24
2.4.2 Contract service	25
2.5 SUMMARY	27
3.0 MAINTENANCE CONTRACT	
3.1 INTRODUCTION	28
3.2 FORMATION OF CONTRACT	30
3.3 TYPES OF CONTRACTS	34
3.3.1 Fixed Price Contracts	30
3.3.2 Cost Reimbursement Contracts	38
3.3.3 Term Contract	4:
3.4 CONTRACT DOCUMENTS	42
3.4.1 Articles of Agreement	42
3.4.2 Conditions of contract	4: