

PROCEDURES INVOLVED IN THE EVALUATION OF TURNKEY PROJECT

Dedicated to:  
Our dearest parents

By:

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## SYNOPSIS

The aim of this project is to identify the method and criteria for evaluation of turnkey projects which are widely applied in Malaysia based on the Accelerated Implementation System (AIS).

The entire evaluation procedure taken is for a campus development based on ITM Cawangan Johor, Segamat and ITM Cawangan Pahang, Jengka.

To achieve this, we had made study on two present running turnkey projects undertaken by JKR for ITM. Interviews were held with professionals involve in Turnkey Evaluation process at Bahagian Pembangunan dan Penyelenggaraan, ITM and Jabatan Kerja Raya.

It is also the aim of this study to highlight the methodologies involved in project evaluation and to highlight the pitfalls of Turnkey projects.

# C O N T E N T S

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CHAPTER	CONTENTS	PAGE
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1.0	INTRODUCTION	1
1.1	TYPES OF CONTRACT EXISTING IN MALAYSIA	3
	1.1.1 Bills of Quantity Contract	3
	1.1.2 Lump Sum Contract	6
	1.1.3 Cost-plus Contract	8
2.0	DEFINATION OF TURNKEY SYSTEM	11
2.1	WHY DID THE GOVERNMENT INTRODUCE TURNKEY	11
2.2	MALAYSIAN MODIFIED TURNKEY CONTRACT	14
3.0	CONTENT OF PRE-BID DOCUMENT	19
3.1	INSTRUCTION TO TENDERERS	20
3.2	APPENDICES	32
3.3	FORM OF TENDER	32
3.4	CONDITION OF CONTRACT	32
3.5	GENERAL ASPECT OF THE PROJECT	33
3.6	ARCHITECTURAL WORK BRIEF	35
3.7	CIVIL AND STRUCTURAL WORK	43
3.8	MECHANICAL ENGINEERING SERVICES	46
3.9	ELECTRICAL ENGINEERING SERVICES	51
4.0	CRITERIA FOR EVALUATION	55
4.1	ESTIMATION OF PROJECT COST	55
4.2	POINT SYSTEM ANALYSIS	56
4.3	SELECTION OF CONTRACTOR	60

## INTRODUCTION

Civil Engineering structures are very complex and usually take number of years to plan, design, build and commission. It also varies with different type of structures with difference in shape and form, unique Engineering details and requirement which poseses different management and Engineering solution.

In Malaysia, most of Civil Engineering structured projects have been implemented using tradisional or conventional method of implementation which is essentially a sequential of Design/bid/build process. In recent years, as projects get more complex and demand greater emphasis on management technique and Engineering skills, the conventional approach to implementation was found to be not effective and was under severe criticism as being too slow, requiring too much input from the clients and the implementing agency, too many contract and hence causing a lot of delay. Hence Turnkey contracts came into existence. Turnkey is basically a design and build concept.