ABSTRACT

This dissertation covers the use of computerised project management based on network planning techniques in HDB. Initially, it shows the various stages involved in a HDB study carried out by a team in selecting and evaluating a suitable project management software package to meet the needs of HDB in managing its projects.

A brief description of the limitations of the manual system before the introduction of project management using computer is illustrated.

Comparisons of the computerised project management system with the manual system are shown. Some of the commonly used system output and reports are also illustrated.

A mail survey was conducted in an attempt to determine how well HBD contractors assisted by project management using computer introduced by HDB best met their objectives. The survey results showed that since the introduction of project management using
computer, contractors can be reasonably certain of having better control over their projects and are able to complete their project in the shortest time and at the lowest project cost.

The benefits and results achieved by HDB using computer in managing the projects are illustrated.

In this dissertation, the writer recommends some improvements to be made to the HDB computerised project management system.

The features of the artemis project management software used by HDB is also illustrated.

A case study has also been used to explain how the computerised project management software is able to assist the HDB Civil Engineering Department in managing its projects and, further, in creating a project management information system.