SUMMARY

It is well known in the building industry that a failure to meet the time and cost constraints stipulated in contract documents is common. However, little information has been published regarding the extent to which the actual time and cost performances overrun the stipulated time and cost constraints in Housing and Development Board (HDB) contract documents.

In this dissertation, the author examines the performance of HDB contracts in relation to four measures: time-certainty, cost-certainty, time-standard and cost-standard.

Two major categories of HDB contracts, i.e., Buildings and Civil Engineering were selected for study. An analysis on the contract performance of 25 building projects costing $410 million and 43 civil engineering projects costing $30 million executed between 1986 and 1993 was carried out. Computations of the performance measures showed that the contract performance in relation to certainty of time was most unsatisfactory. All the building projects and 58% of civil engineering projects exceeded the agreed construction durations for completion.

Using the results of the study, remedial actions and procedures have been suggested for better estimation of completion time and cost in future projects.