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CONTROL OF MATERIALS ON SITES  
(QUALITY AND QUANTITY)

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## SYNOPSIS

What would be the consequences if we were to stop all testing and analysis of civil engineering materials?

Would the concrete be produced to the correct specification in order that it can be placed efficiently and also fulfill its requirement for long term durability?

As a contractor, would your client be satisfied with the 'end product' that you handed over after completion of the project?

How much wastage materials that are dumped away every year after completion of the project?

How much extra cost the contractor has to put up due to poor materials control?  
Is the delivery of materials at the right time and at the right place?

These are a few questions we should ask prior to any construction project in order that the construction materials are suitable for their particular application and are not wasted unnecessarily.

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## 1.0 INTRODUCTION

### 1.1 Management and Control.

In general, control means influencing events, circumstances, happenings and performance to accord with what was intended and planned. Effective control needs the essential prerequisites of a plan, knowledge of what is actually happening and the ability to use the information and convert it into the right kind of action.

Management is a collective term used to refer to all functions and responsibility needed to administrate a construction site, and therefore each responsibility within its own sphere of operations needs to know what is required of it, what is actually happening as near to the time of the event as possible, so that progressive decision can be made and translated into action in order that the collective results will produce the optimum profitability and reward for all concerned.

### 1.2 Needs of the study.

It is a fact that a large quantity of building materials are allowed to be buried or burnt each year as a result of inadequate control on sites. The problem is vast. In 1976 the U.K.'s Building Research Establishment reported that 10-20% of all