

SITE INVESTIGATION FOR LARGE
CIVIL ENGINEERING WORKS

Project Report Submitted by

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Site Investigation

INTRODUCTION

Site investigation is the process by which geological, geotechnical, and other relevant information which might affect the construction or performance of a civil engineering or building project is acquired.

OBJECTS OF SITE INVESTIGATION

The investigation of the site is an essential preliminary to the construction of all civil engineering works and the objects in making such investigations are:

- a. To assess the general suitability of the site for the proposed works;
- b. To enable an adequate and economic design to be prepared;
- c. To foresee and provide against difficulties that may arise during construction due to ground and other local conditions;
- d. To investigate the occurrence or causes of all natural or created changes of conditions and the results arising therefrom.

In addition, site investigations are necessary in reporting upon the safety of existing works and in investigating cases where failure has occurred.

SCOPE OF THE WORK

The scope of the investigation depends upon the magnitude and nature of the proposed work. In general the requirements involve:

- a. Plans of the site.
- b. Collection of general information, e.g. on access, services, obstructions, ownership, limitation of user, leases and wayleaves.

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