A GEOTECHNICAL DATA BASE FOR LOW LYING AREAS

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As a result of the on going development activities, the low lying marshy areas of Colombo and suburbs have witnessed extensive site reconnaissance, in situ testing, and laboratory testing in the recent past. The National Building Research Organisation has been involved in many of these projects by providing consultancy services undertaking research work. In this paper, an attempt is made to generate a data base for low lying areas which would be very valuable for future research and consultancy work.

The advent of microcomputers and the availability of relatively inexpensive software packages has made file handling and data management a simple task. The soil data collected in the previous field investigations has been documented in micro-computers using d BASE III+, AUTOCAD and LOTUS 1-2-3. The data base can be readily updated with the addition of new data when available. For preliminary or feasibility studies of civil engineering projects where soil data is required but not available, this data base can be very useful. In geotechnical research work in low lying marshy areas, especially for studies on correlations, such a data base is very useful.