

GEOTECHNICAL ENGINEERING SEMINAR 1981 - ABSTRACTS OF PAPERS

AN OVERVIEW OF ENGINEERING GEOLOGIC PROBLEMS IN MALAYSIA

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In line with the development of the country, Malaysia has implemented and planned numerous ambitious engineering projects since the past decade or so. Such activities are expected to continue with even greater pace in the immediate future.

Engineering projects implemented and planned for the future include various housing schemes in urban and suburban areas, highrise buildings especially in the Kuala Lumpur region, major highways and other infra-

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In line with the development of the country, Malaysia has had a rapid and planned economic expansion engineering projects since the past decade or so. Such activities are expected to continue with even greater pace in the immediate future.

Engineering projects implemented and planned for the future include various housing schemes in urban and suburban areas, highway linkages especially in the Kuala Lumpur region, major highways and other infra-

Captions to figures

- Fig. 1. K.H. Ong starting off the Seminar with her review of geotechnical engineering practice.
- Fig. 2. I. Komoo presenting his paper on rock slope stability.
- Fig. 3. Ismail M. Noor bringing the attention of the audience to the slide projection during his paper on groundwater.
- Fig. 4. B.K. Tan stressing a point on engineering geologic problems.
- Fig. 5. Tan Boon Kong with his paper on waste disposal.
- Fig. 6. Thai participant, B. Sirimbumrungsukha and his contribution on microbits.
- Fig. 7. P.C. Aw, confidently presenting the joint paper on construction brick.
- Fig. 8. M.S. Subrahmanyam on the use of rice husk ash for soil stablization.

structures, dams for various purposes (water supply, hydro-electric and flood mitigation), airports, harbours, bridges, mining projects, etc.

This paper gives an overview of the engineering geologic problems that have surfaced from time to time during the implementation of the various engineering and construction works in Malaysia. Problems discussed include foundation problems in limestone bedrock, problem of residual granite corestones in relation to foundation and slope stability, settlement or subsidence problems in disused or abandoned mining lands and filled areas, landslides, construction materials and quarry works, as well as groundwater resource development problems. The nature of the problems are related mainly to the nature of soils, rocks and groundwater conditions that prevail in the country.

The discussions are made in the Malaysian context with local examples and case studies highlighting various features and problems unique to this country.
