

Construction materials for the Sembrong and Bekok Dams, Johore

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The Sembrong and Bekok Dams form part of a larger scheme, namely the Western Johore Agricultural Development Project. Initially undertaken by the Drainage and Irrigation Department mainly for flood mitigation, the two dams will now also be utilised for water supply purposes by the Waterworks Department. Sembrong Dam is currently under construction, while construction of the Bekok Dam would commence in the near future.

Detailed site investigations have been carried out for the two projects, including geologic and soil investigations for the dam foundations and related areas. This paper discusses only the investigations for construction materials for the two dams. The construction materials discussed include soil borrow materials for construction of the dams and embankments, sources of sand filters and possibly quarry sites for rock aggregates and rip-rap. Laboratory test results of the various materials are also presented.
