

PROJECT :-**KELANTAN RIVER FLOOD MITIGATION PROJECT****LOCATION :-**

Kelantan River Basin, Kelantan

CLIENT :-

Jabatan Pengairan dan Saliran, Malaysia

PROJECT COST :-

RM 866.91 Million

COMPLETION DATE :-

1999

Job Description :-

The Project involves investigating the Kelantan River Basin (13,000 sq. km) specifically for best option to resolve flooding in 3,000 sq. km of low ground forming the river's coastal plain and to develop water resources to meet State's projected agriculture and other water demands.

The Detailed Works include :-

- Construction of one clay core fill flood detention dam at Lebir
- Implementation of river improvement works along main channel of Sg. Kelantan, including dredging, levee construction, bank protection works, etc – 100km
- Provision of flood-by pass relief by suitable channel works at four existing rivers
- Rehabilitation of structures & properties affected by above works

SERVICES PROVIDED :-

- Geotechnical investigation & survey
- Hydrology (PMP estimation, RORB modeling for flood flow analysis, low flow determination)
- Hydraulics (flood profile & sediment transportation - MIKE 11 analysis)
- Water resources investigation (demand projections & development options)
- Socio economic study
- Preliminary design of dam, river improvement works and associated structures
- Economic analysis
- Environmental Impact Assessment

**Kelantan River Flood Mitigation Project**