

## Project Reference P135

## River Improvement



## Sg. Kerayong River Improvement

**Project**

Kuala Lumpur Flood Mitigation Project : Design, Build & Complete River Improvement Works for 1.8km of Kerayong River from the Confluence of Kerayong River and Kelang River to the Discharge Point of SMART Project in Federal Territory of Kuala Lumpur.

**Client**

Kumpulan Sekata Sdn Bhd (KSSS)

**Contract Sum**

RM165,097,673.93

**Contract Period**

Jun 2006 ~ Jul 2010 (50 mths)

**Consultant Engineer**

Sepakat Setia Perunding

**Owner / Employer**

Jabatan Pengaliran dan Saliran (JPS)

The Government of Malaysia is desirous to improve the Kerayong River between its confluence at Sg. Klang and the point of flood release from the Storm Water Management and Road Tunnel (SMART) Project. The objective of the improvement works is to upgrade the channel capacity and modify the bed profile of this 1.8 km stretch of the river to enable its use for the efficient operation of the SMART Project.

Before the full award of the Design & Build Contract, SYS had completed certain amount of works during Emergency Works and Interim Award packages.

**Major Quantities**

- Special temporary works 25,000 tonne (approx.)
- Cantilever contiguous borepiles 1.2mØ = 21,281m (total length)  
1.0mØ = 5,678m (total length)
- Soil nails 2,744 (nos) ranges from 10m to longest 21m
- Skin wall constructed at river water level = 900m both sides

**Machineries Involved**

- 7 boring machines (peak time)
- 15 crawler cranes (peak time)
- 10 excavators (peak time)

