

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

RM157,327,450

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)

