

PROJECT :-**WESTERN JOHOR INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT PHASE II****LOCATION :-**

Batu Pahat & Part of Muar District in Johor

CLIENT :-

Jabatan Pengairan dan Saliran, Malaysia

PROJECT COST :-

RM 100 Million

COMPLETION DATE :-

1996

Job Description :-

The Project Area comprises some 210,000 ha of coastal swamps and low grounds that have been converted over many decades for agriculture. However, due to the surcharge on the river systems as the swamps were progressively reclaimed, large tracts of the area are subject to frequent flooding and extended duration of water logging. This escalating state of poor drainage has caused productivity levels of agriculture in the lands to suffer a sharp decline. The Project requires Sg. Batu Pahat, the principal river system draining the area (catchment 195,000ha), to be investigated for shortfalls and recommendations on flood mitigation measures drawn

The Detailed Works include :-

- Realignment works and channel upgrading including embanking for 4 river (total length 104km)
- Construction of one no. water-retarding basin together with embankment and flood spill weir
- Construction of nine nos. multi span bridges to remove constriction caused by existing old bridges

SERVICES PROVIDED :-

- Geotechnical Investigation & Survey
- Hydrology for flood flow analysis and minimum low flow determination
- Hydraulics studies for flood flow analysis & sedimentation profiles
- River channel sizing and design
- Earth embankment design for river bunds and low height flood detention dam
- Structure design for 9 nos. bridge and flood spill weir
- Contract documentation and bid evaluation
- Contract supervision, commissioning and hand over to client



Dredging works at upstream of Parit Sulong Bridge with cutter suction, dredger and connected pipeline for spoil disposal at bunded designated area