

PROJECT :-

MARANG RIVER MOUTH IMPROVEMENT WORKS

LOCATION :-

**Kuala Marang,
Negeri Terengganu Darul Iman**

CONSTRUCTION COST :-

APPROX. RM 29 Million

CLIENT :-

**Jabatan Pengairan dan Saliran,
Negeri Terengganu Darul Iman**

COMPLETION DATE :-

AUGUST 2002

Job Description :-

The Project is called essentially to solve the recurrent problems by addressing issues such as adequate draught for navigation at river mouth during all tidal conditions, fixed navigation channel for boats plying the river mouth and calm waters for boats in harbours.

The Completed Construction Works include :-

- A pair of rubble mound breakwaters, 1.3km in total length
- A pair of internal jetties with two sand bunds
- Navigation channel (900m long) for fishing boats and tourist launches
- Sedimentation reservoirs in the outer harbour
- Reclamation of land with rock revetment in the inner harbour
- Beach nourishment
- A Light beacon

SERVICES PROVIDED :-

- Review of JICA's Feasibility Study Report & Proposition of Improvement Plan by means of Numerical Hydraulic Modelling Studies in collaboration with Danish Hydraulic Institute
- Survey and Site Investigations
- Detailed Engineering Design & Preparation of Construction Drawings
- Preparation of Contract Documents & Tender Evaluation
- Engineering Support During Construction & Maintenance Stage include Attending All Construction Meetings & Site Inspections



Project Layout



Northern Breakwater Under Construction



Aerial view of Marang River Mouth Improvement Works