

PROJECT :-**DEVELOPMENT OF KEMAMAN PORT, TERENGGANU****LOCATION :-**

Kemaman, Terengganu, West Malaysia

CLIENT :-

Terengganu State Economic Development Corporation and Petronas Gas Sdn Bhd

PROJECT COST :-

RM500 Million (US137 Million)

COMPLETION DATE :-

1981 to 1985

Job Description :-

The project involved the construction of a new harbour on a fairly open stretch of coast, where difficulties from wind, current and swell were foreseen. This has considerable influence on the design of the approach channel. Also, a deep turning basin and berthing area had to be dredged in the shallow water.

The Detail Works include :-

- Phase I comprised the development of Kemaman Petroleum Supply Base which involved the design and construction of 800m long breakwater to protect 360m quaywall (5 berths) of reinforced concrete caissons, dredged basin and approach channel, reclamation and shore installation for service of the supply barges.
- Phase II development involved the design and construction of
 - I) 648m long east wharf (3 berths) constructed using R.C. caisson and subjected to loading from crane, HB loading, bollard pull and berthing load of 150,000 DWT vessels.
 - II) LPG jetty (1 berth) to accommodate tankers between 1,000 and up to 40,000 DWT. It consists of 2 breasting dolphins, 2 smaller ones for smaller ships, four mooring dolphins and a central platform which is reached by a 300m long approach bridge.
 - III) Dredging (11 million cu.m) for east wharf, turning basin and channel and reclamation for east wharf and Telok Kalong Industrial Estate.
- Phase III involved the design and construction of East and South Breakwater of approximately 2,000m to facilitate entrance of ship, protect LPG Basin. The breakwater is of rubble mound type

SERVICES PROVIDED :-

- Detailed Design
- Construction Supervision
- Geotechnical Investigation and Design



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