

**PROJECT :-****SAPANGAR NAVAL BASE, KOTA KINABALU, SABAH****LOCATION :-**

Kota Kinabalu, Sabah

**PROJECT COST :-**

RM139 Million (US38 Million)

**CLIENT :-**

Muhibbah Engineering (M) Bhd

**COMPLETION DATE :-**

2001 to 2005

**Job Description :-**

The Sapangar Naval Base, located on a promontory, is to house naval installation and facilities, purpose designed and built to meet the current and future needs of the Royal Malaysian Navy. The harbour is located on the east of the promontory, sheltered from prevailing winds with sufficient water depth for ship berthing.

Reclamation works for the proposed naval base involved reclaiming useful land areas of about 122 acres with soil treatment for the installation of on-shore facilities and construction of quay structure.

The quay comprises of 800 metres berth length and a provision for future extension of 100 metres of berthing space. The construction of the quay at its location will provide for a minimum water depth of 10 metres to cater for the specified range of Navy vessels.

The overall layout of the quay at the operation harbour is based on the principle of pier systems, which will offer wide aprons and ample space to allow for easy loading and unloading of vessels. The 3 sided berth can cater for large and small vessels. Continuous service trenches of 1.7 metres wide with removable covers are provided along the front face of the quay. Transverse trenches are provided at suitable locations to feed the front trench.

**The Detail Works include :-**

- Design of reclamation work, soil treatment, dredging and shore protection work for the reclaimed land for the whole base.
- Design of quay structure and all the ancillaries.

**SERVICES PROVIDED :-**

- Detailed Design
- Construction Supervision
- Geotechnical Investigation and Design & Hydrographic Survey
- Coordinating with Specialist Laboratory on Hydraulic Study

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