

**Location:**

Wetar Island, Maluku

Value:

Total US\$2 Million

Client:

PT. Prima Lirang Mining

Contract Type:

Design & Construct Lump Sum

Duration:

April 1990 to September 1990

Description of Works:

The Wetar Island Wharf Facility is part of the infrastructure for the PT Prima Lirang Mining gold mining operation, on the North Coast of Wetar Island. The wharf was necessary for handling the incoming goods (fuel, chemicals and equipment) and the export of bagged and palletized Barite, a by-product of the gold treatment process.

The remoteness of the location, the prevailing physical conditions of the site, and budgetary considerations required an innovative approach to the design and construction of the Wharf.

PT Thiess Contractors Indonesia was awarded the Contract to design and construct the wharf in early February 1990 and the construction commenced in late April 1990.

Scope of Works:*Earthworks*

- Dredging and disposal of 7,000m³ of coral/sand Supply and placement of 9,000m³ of selected backfill material behind the sheetpile wall

Armour Protection

- Supply and placement of 3,000,000 tonnes of concrete armour units, varying in size from 2 tonnes to 6 tonnes.
- Supply and placing of 3,000m³ of tertiary armour rock from 1 tonne to 150 kilograms.

Piling

- Driving of over 3,000m of sheet piling of type FSP-IVA
- Driving of fender/mooring piles of 600mm diameter

Concrete

- Approximately 500m³ of concrete was required for the deadman beam and deck, and ramp structures

Ancillary Works

- Drainage through the structure
- Fuel discharge pipelines
- Water Supply pipeline
- Lighting towers and cabling
- Fendering and bollards