

Project

Breakwater for Indah Kiat Pulp and Paper Terminal, Merak, Indonesia

Indah Kiat Pulp & Paper Company, one of the largest paper products manufacturers in Asia, developed a container terminal port in Merak, western Java, with sufficient capacity to serve its own paper mill as well as other local chemical processing and manufacturing firms. The cargoes that are being shipped in include containers, paper and pulp rolls and project cargo.

PT BAM Decorient was awarded the contract for the construction of the breakwater for this port. The contract included the supply of all materials, with the exception of the piling pipe piles, piling sheet piles and steel tie rods, which were supplied by the client.

The given total construction period was twelve months.



Location Merak, West Java, Indonesia

Client PT Indah Kiat Pulp & Paper Corporation Tbk.

Contractor PT BAM Decorient Indonesia

Contract period April 1998 – March 1999

Contract sum € 4.5 million

*'A successful project with top quality work, timely completion,
within the budget.'*

Scope of work

Construction of the 40x350-metre breakwater comprised piling pipelines, piling sheet piles, installation of tie rods, infill and dredging work, concrete work and paving work. Pile driving of in total 255 combi piles was executed with a Vibro Hammer ICE 1412, a Diesel Hammer D100, a steel template and a crane barge with the 250-ton Ringer Manitowoc Crane. The sheet pile driving (a total of 288) was executed with a Vibro Hammer ICE 4450 and a crane barge with a 65-ton crawler crane. Driving the pipe piles, the sheet piles and installing the tie rod were completed in a period of just over four months.



Completed quaywall at inner side of breakwater



The sand fill for the breakwater was dredged from the basin area (a total volume of 290.000 cubic metres). Infill and dredging works took eight weeks. The concrete works were executed with a precast panel skirt wall system and in-situ concrete. The surface finishing of the breakwater was a paving block with a cement treatment base.

Installation rebar at combi wall



BAM International bv

P.O. Box 414
H.J. Nederhorststraat 1
2800 AK Gouda
The Netherlands
T +31 (0)182 59 06 30
F +31 (0)182 59 08 70
E info@baminternational.nl
I www.baminternational.com