



Location:
Palembang, South Sumatera

Value:
US\$130 Million

Client:
Klockner-INA Germany

Contract Type:
Schedule of Rates

Duration:
March 1996 to May 1998

Description of Works:

Thiess, in conjunction with PT John Holland Indonesia and PT Ballast Indonesia, was awarded a US\$130M contract for all site clearing, earthworks, roadworks, piping and water intake works, foundations, buildings and civil works. The Joint Venture' Client, Klockner-INA Germany, was awarded a design, construct and commission contract for the project valued at US\$900M from the project owners - a consortium of Indonesian companies led by the Barito Pacific Group and Nippon Paper from Japan.

Communications were critical in the successful engineering co-ordination, as participants were dispersed among several different countries and time zones. The engineering offices were located in Germany, Canada and Bandung. The design of the mill was undertaken by Ballast Needam Engineering from Holland and was completed in Bandung, Indonesia, in conjunction with the local company PT Bitu Enarcon Engineering.

Located two hours west of Palembang in South Sumatra, the mill is situated on a coastal plain of the Barisan Mountains on a tributary of the Musi River as such logistics for the project were extremely complex. Requirements included pouring a total of 130,000m³ of concrete, with weekly concrete volumes often exceeding 2,500m³, establishing a batch plant for the project, and locating suitable rock and sand supplies.

This massive undertaking saw over 3,800 people working on the project, including 45 expatriates and an offsite design team of 100 people. It was serviced with 28 cranes, 15 concrete agitators, three concrete pumps, three batch plants and over 500 items of plant and equipment. The project also included the supply, fabrication and erection of 4,000 tonnes of structural steel, which was fabricated in Jakarta and shipped to site. The project was completed on time and on budget.

The facility was designed to produce 450,000 air-dried tonnes of bleached kraft paper per year from acacia mangium trees. At the time of construction, the mill was the second largest project in progress in Indonesia.