

PORTS

Extension of deep water wharves: Jurong, Singapore

The Jurong Town Corporation, which runs a large industrial estate in Singapore with its own port, decided in 1971 to extend the deep water wharves. The firm was called in to review designs prepared by the client's own engineering staff and to supervise the construction. The works cost approximately £11 million and were started in 1974 and completed in 1977.

The photograph shows the three new general cargo berths, 2500 feet in length, with transit sheds, hardstandings and an area reclaimed for future development. An existing berth was also extended by 500 feet. The wharf structure is of piled deck-over-slope type, soft ground being dredged out and replaced with granular fill to reduce the width of deck required. Piles are of hollow spun prestressed concrete and the deck of composite precast prestressed and in-situ concrete. 3000 piles of 27 and 33 inches diameter were driven. Working drawings were produced in Singapore by the Client's staff advised and assisted by design engineers from our London Office stationed at Jurong for the duration of construction.

