

Owner

Kementerian Kerja Raya Malaysia

Client (Turnkey Contractor)

Nilai Cipta Sdn Bhd

(Subsidiary of IJM Corporation Bhd)

Architect

BEP Akitek Sdn Bhd

Consulting Engineer

(Civil & Structural Engineering)

Arup Jururunding Sdn Bhd

Project Cost

RM 87 million

Completion Date

1997

Office Complex for Kementerian Kerja Raya Malaysia



This project involved the development of three blocks of buildings comprising an 8-storey office block, a 16-storey office block with a 4-storey car parking podium and a 3-storey multipurpose sports complex on a 2.5 hectare piece of land. Total lettable floor area is about 34,000 sq m.

The site is hilly with part of the building constructed against a hill slope. Construction of the substructure and parts of the lower floors involved excavation against the slope.

To ensure lateral stability against the active earth pressure acting on the superstructure, a cantilever retaining wall consisting of two rows of contiguous bored piles, both acting independently from the superstructure, was constructed along the building perimeter which faces the hill slope. The superstructure is of reinforced concrete and the floor system utilised cast in situ beams and slabs. The foundation consisted of bored piles.

The project was implemented on a privatisation basis and Arup was involved with the turnkey contractor right from the beginning of the bidding process.