

Geotechnical instrumentation at Batu Dam, Kuala Lumpur

Saim Suratman, Jabatan Penyiasatan Kajibumi Malaysia

The construction programme of Batu Dam was started in July 1984 and expected to be completed in the middle of 1987. The dam and its various structures (embankment, outlet works, spillway, etc.) are founded on the decomposed to fresh Hawthornden schist of Silurian age. The major part of the downstream embankment is founded on a gravel layer.

Various types of instruments namely vibrating-wire piezometers, inclinometer, porous-tube piezometers, measurement points and seepage weirs are installed at Batu Dam to monitor the performance of the dam embankment, foundation, abutments and structures during construction and after completion of the dam.
