

J.K. RAJ: Residual soils over granite

Residual soils over granitic rocks in Peninsular Malaysia are characterized by a vertical morphological zonation of weathered material that allows recognition of an upper Zone I of pedochemically and geochemically weathered bedrock and a lower Zone II of in situ geochemically

weathered bedrock. Zone II weathered material preserves to varying degrees, the original bedrock minerals, textures and structures, while Zone I material preserves few of these features. These zones of weathered material overlie the bedrock Zone III which entirely requires the use of explosives for its economical excavation. The material of Zones I and II can, however, be excavated without the use of explosives excepting for the longer core boulders (found in the lower part of Zone II) that sometimes require the use of explosives for their economical excavation.
