

**TABLE 1** Typical weathering profile in granite gneiss

| <b>S. N.</b> | <b>Horizon</b> | <b>Descriptions</b>   |
|--------------|----------------|---|
| 1            | I (Top)        | Mainly sandy loam (upland) and clay loam (lowland), high porosity and low permeability                                  |
| 2            | II             | Mainly kaolinitic clayey material, high intergranular porosity and low permeability                                     |
| 3            | III            | Mainly granular altered basement, low porosity and appreciable permeability   |
| 4            | IV (Bottom)    | Fractured / jointed basement, low porosity, moderate permeability in the fractures / joints. no inter-granular porosity |