

Justification

Physiography:

Topographically, the applied area falls in Northern side of the dis-continuous hillocks trending in East-west direction. The hillock relief in applied areas is about 70 to 80 mts. The area covers with thorny bushes and boulders. Boulders and sheet are exposed at places. There are no prominent natural drainage channels in the area.

Geology of the Area:

Geologically, the applied area is part of Eastern ghat formation of Archean age group of rocks. Dykes of basic composition are intruded into the gneisses with preferential emplacement broadly along East-West direction. Petrology of Dolerite dyke ranging in composition from Diorite to Basalt and chemically ranges from mafic to ultramafic composition. The dolerite dykes consist of augite, plagioclase, olivine, quartz and opaque minerals. At some places the dyke is swelling and pinching. The average width of the dyke is about 40-50 mts. Texturally the dolerite is fine to medium grained and equigranular melanocratic rock. The rock unit is made up of sub equal amounts of augite and plagioclase feldspar as major constitution with sub ordinate amounts of opaque, quartz, biotite and sphene. The overall texture is sub-ophitic. Structurally the rock units are jointed and influence in recovery of dimensional stone.

Yours faithfully,
For, M/s. Sri Vasista Mining



B S Nithin Kumar Reddy
Managing Partner