

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 belongs to peninsular gneissic complex essentially a low grade metamorphic terrain formed during the Archean times and are intruded by late Archean to early Proterozoic mafic dyke swarms. The applied area consists of dolerite dyke striking NW-SE in direction. The width of the dyke is about 120 to 150 mts and a length of 475 mts. The applied area is covered with small boulders ranging from 1.5 to 04 mts underneath by sheet rock. Mineralogically the dolerite consists of plagioclase feldspar and Augite as essential mineral and olivine, chlorite and Quartz as accessory mineral. Petrology of the area constitutes and exhibits wide variation in their external forms, structural patterns with preferential emplacement broadly along East-West direction. At some places, the dyke is swelling and pinching. The unaltered part of plagioclase is cloudy due to minute inclusions of magnetite which is a common feature in dolerite dyke intrusive into granulite terrain. The rock available in that area is hard and compact in structure black in colour. The Characteristics colour, Structure, Texture, Compactness, Cutting & polishing strength attains usage the same in cutting and polishing purpose. The above factors are commercially viable and may attract export value. 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