

Statement showing Mineragraphic studies of bed rock samples, Kudrekonda Block, Davanagere District, Karnataka

**KUDREKONDA G3 BLOCK
MINERAGRAPHIC STUDY RESULTS**

Sl. No.	Sample No.& Location	% of ore minerals in polished section	ORE MINERAL COMPOSITION				Description
			Major >5%	Minor <5% - >1%	Accessory <1% - >0.1%	Traces <0.1%	
1.	MKK/M1 (X=557528, Y=1563089)	1	Goethite (50) Magnetite (45) Hematite (5)	....	Limonite Anatase	Pyrrhotite Chalcopyrite	Goethite is present as patchy fillings associating reddish limonitic fillings with it. Magnetite occurs as fine to medium anhedral to subhedral and patchy grains. Hematite is seen present as very fine grains along fractures as fillings. Anatase is noted as very fine grains in association with hematite. Pyrrhotite and chalcopyrite are noted as very fine specks in traces.
2.	MKK/M2 (X=558208, Y=1563355)	6	Magnetite (~100)	....	Chalcopyrite Digenite	....	Magnetite occurs as very fine to fine subhedral to anhedral and skeletal grains disseminated throughout the specimen. Chalcopyrite is noted as fine to very fine grains in accessories. Digenite is found present as very thin corona around chalcopyrite periphery. The specimen is showing feeble magnetism.
3.	MKK/M3 (X=558130, Y=1563176)	5	Magnetite (96)	Digenite (3) Chalcopyrite (1)	Pyrite	Magnetite is present as very fine to fine subhedral to anhedral and bladed grains disseminated throughout the specimen. Digenite occurs as anhedral grains and patches. Chalcopyrite is noted as very fine specks and

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			Major >5%	Minor <5% - >1%	Accessory <1% - >0.1%	Traces <0.1%	
							fine anhedral grains, often being replaced by digenite from periphery. Pyrite occurs as very fine specks in accessories. The specimen is showing feeble magnetism.
4.	MKK/M4 (X=556665, Y=1564668)	1	Chalcopyrite (60) Pyrite (35) Magnetite (5)	....	....	....	Chalcopyrite occurs as fine anhedral grains and patches. Pyrite occurs as fine to very fine anhedral grains. Magnetite is present as very fine specks, blades and patches.
5.	MKK/M5 (X=556909, Y=1564316)	Accessories	Hematite Rutile/ Anatase Magnetite Chalcopyrite	....	....	....	Hematite and rutile/ anatase are present as very fine specks and blades along fractures as fillings. Magnetite occurs as very fine subhedral to anhedral grains. Chalcopyrite is noted as very fine specks in traces.