



LANGMIPI-LACHING THING 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.	MLM-01	2	Magnetite (96)	Hematite-Goethite (4)	Ilmenite	Pyrite	Magnetite occurs as fine subhedral to anhedral and bladed grains disseminated throughout the specimen. Hematite-goethite occurs as intermixed dendritic and patchy fillings in areas. Hematite is also noted as very fine specks. Ilmenite is seen present as fine to very fine subhedral grains. Pyrite is noted as very fine specks in traces.
2.	MLM-02	Accessories	Magnetite Hematite Pyrite				Magnetite occurs as fine to very fine subhedral to anhedral grains showing martitisation. Hematite is also seen present as anhedral patches and as very fine specks. Pyrite is noted as very fine specks in traces.
3.	MLM-03	2	Magnetite (95)	Pyrite (3) Ilmenite (2)	Chalcopyrite	Hematite	Magnetite occurs as fine to very fine subhedral to anhedral and bladed grains in dissemination, often associating ilmenite with it. Pyrite occurs as very fine specks, patches and fillings. Chalcopyrite is noted as very fine specks in accessories. Hematite is found present as tiny specks in traces.
4.	MLM-04	1	Magnetite (72) Sphene (26)	Hematite (2)			Magnetite occurs as fine to very fine subhedral to anhedral and bladed grains showing martitisation in areas. Sphene occurs as fine to very fine wedges,



ANNEXURE VIII/2

							anhedral patches and as streaky fillings. Hematite is seen developing after martitisation.
5.	MLM-05	Accessories	Magnetite/ Ilmenite Hematite Goethite				Magnetite/ ilmenite and hematite are present as very fine bladed and subhedral to anhedral grains along fractures as fillings. Magnetite/ ilmenite are also seen present as very fine bladed fillings along cleavage traces of mica minerals. Goethite occurs as patchy fillings showing compositional zoning.