



**Details of Minerography study carried out in trench & borehole samples of Nagardhan Block (G-3),  
District – Nagpur, Maharashtra**

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.	MNB-3/M-1 (47.41 m to 47.47 m)	Accessories	Psilomelane- Goethite Pyrolusite Pyrite Hematite	....	....	....	Psilomelane-goethite occurs as fine to very fine anhedral intermixed patches. Pyrolusite occurs as very fine prismatic aggregates in pockets. Pyrite and hematite are seen present as very fine disseminated specks.
2.	MNB/TR/M-1 (Trench 2)	76	Braunite (45) Hausmannite (40) Psilomelane (11)	Magnetite/ Jacobsite (4) .	Goethite	....	Braunite and hausmannite are the main constituting minerals of the specimen, occurring as fine to medium subhedral aggregates, where hausmannite grains are relatively bigger in size and showing characteristic multiple set of scratches. Psilomelane is present as thin to very thin fillings and patches cutting across other constituting minerals. Magnetite/ jacobsite are noted as moderately coarse patches in pockets. Goethite is seen associated with psilomelane fillings in areas. The specimen is showing strong magnetism.