

Pyrophyllite Mineralisation in Amjor, Keonjhar District, Odisha, India

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Abstract

Pyrophyllite deposit at Amjor is overlain unconformably by Dhanjori quartzite and underlain by Singhbhum granite (Phase-II). Pyrophyllite and quartz are the major minerals with minor to trace amounts of muscovite, chloritoid, opaques and tourmaline. Pyrophyllite forms at a low temperature (~ 300°C) from the parent granitic rock, subjected to alteration by hydrothermal solution and low-grade metamorphism.

Key Words: Pyrophyllite deposit, Hydrothermal alteration, Amjor, Odisha.