

Hematite Schist

Rock Characteristics

Rock Name:	Hematite Schist
Rock Type:	Metamorphic Rock
Colour:	Dark Grey
Grain Size:	Fine to Medium
Texture:	Schistose



Mineral Composition

Major Minerals: Hematite, Quartz, Biotite Mica

Geographical Locality

Origin: Marampa Mines Limited (Marampa Group),
North Western Sierra Leone

Economic Significance

Usage: Production of Iron Ore

Detailed Description

The Hematite Schist is a dark grey, fine to medium-grained, strongly foliated metamorphic rock. Its mineral composition primarily includes hematite, quartz, and biotite mica. This specimen is characterized by alternating bands of hematite and quartz, showcasing its layered structure. The foliated texture, resulting from regional metamorphism, enhances its schistose appearance, making it a distinct geological formation with valuable mineral content. This Hematite Schist is the main source of iron ore mined by Marampa Mines Limited with an estimated resource volume exceeding 1 Billion tonnes and an iron ore grade of 65%.