

# Metadata Details

**Title**  
Geology of the Dakshin Gangotri Landmass, Schirmacher Hill,Antarctica.

**Science Keywords**

Category	Land Surface
Topic	Geomorphology
Expedition Year	1982-1983
ISO Topic	Geodesy

**Summary**

**Abstract**  
The nearest rock exposures to the Indian research station at the Princess Astrid coast of Queen Maud Land, Antarctica, is the Dakshin Gangotri range, which is about 16 km long with mean width ofone km, trending in an almost East West direction. This landmass primarily exposes gneissic rocks ofpre-cambrian age with intrusive younger dolerities.

**Purpose**  
Dakshin Gangotri Landmass, also called the Schrimacher Hill Range of Queen Maud Land,forms the foothill zone of the mountain ranges of the Queen Maud Land, and lies almost midway ofthe coastal Indian Research Station towards north and Wohlthat mountain chain in south. This land-mass is 16 km long having a width of about a km).Besides the preparation of geological map of the entire Dakshin Gangotri landmass, anarea of 4.5 sq km was mapped on a large scale-1:10,000 scale-with the help of a plane table and te-lescopic alidade to bring out the nature of the graphite mineralisation and melasyenite intrusions.

**Data Center**