

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 of one km, trending in an almost East West direction. This landmass primarily exposes gneissic rocks of pre-cambrian age with intrusive younger dolerites.

Purpose

Dakshin Gangotri Landmass, also called the Schirmacher Hill Range of Queen Maud Land, forms the foothill zone of the mountain ranges of the Queen Maud Land, and lies almost midway of the 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, an area of 4.5 sq km was mapped on a large scale-1:10,000 scale-with the help of a plane table and telescope alidade to bring out the nature of the graphite mineralisation and melasyenite intrusions.

Data Center