

## Metadata Details

### Title

Magnetic and Seismic Investigations on the Ice-Shelf around the Indian Permanent Station in Antarctica.

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### Science Keywords

Category	Solid Earth
Topic	Seismology
Expedition Year	1985-1986
ISO Topic	Seismology

### Summary

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#### Abstract

Results of magnetic and seismic investigations around the Indian Base Station in Antarctica have established the usefulness of geophysical tools in delineating sub-shelfstructures. Of the explosives tried so far for selecting a suitable energy source for seismic studies, Low Temperature Plastic Explosives (LTPE) developed by ERDL, Pashan, has been found to be the best under sub-zero climatic conditions of Antarctica.

#### Purpose

Magnetic investigations initiated during Second Indian Antarctic Expedition were continued thereafter, including during Fifth Indian Antarctic Expedition. During this Expedition, another 26 km long magnetic traverse, 5 km east of Indian Permanent Station was completed.

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