

Antarctic Study Centre

Department of Ocean Development
Government of India

Indian Scientific Expedition to Antarctica – Invitation for scientific proposals for 19th Antarctic Expedition (1999–2000)

1. The Nineteenth Indian Scientific Expedition to Antarctica will be launched in December, 1999 and will consist of a **summer team** which will return to India in April 2000 and a **winter team** which will return to India in April 2001.
2. Antarctic Study Centre invites proposals for undertaking from ranking scientific experiments in Antarctica in the inter-disciplinary fields of: i) earth sciences, ii) glaciology, iii) meteorology & atmospheric sciences, iv) environmental sciences, v) biology, vi) human physiology & medicine, and vii) engineering & communication sciences. **Thrust areas** identified are:

Ocean-ice-atmosphere interaction; Global change and Antarctica; Ice sheet mass balance and sea level; Paleo-climate and environment; Environment monitoring and conservation; Bio-potentials of Antarctic organisms; Aeronomy and solar terrestrial physics; Cold region technology development.
3. Due consideration has to be given to the fact that the experiments have to be carried out within the logistic infrastructure available at 'Maitri' and should be limited to around 150 km radius of the station. The proposal should be succinct, indicating the following:

Scientific aims and objectives with illustrations and references; Expected results and their relevance; State of the art experiments in the international scenario; If an ongoing project, the accomplishments till date; Time frame of the project (summer/winter) with milestones; Team component (summer/winter) & logistic requirements; Any national/international collaboration envisaged.
4. Nominees recommended should be physically fit to work in extreme sub zero temperatures under harsh field conditions. *All nominations must be accompanied by a medical fitness certificate from a Government Hospital.*
5. ASC/DOD makes arrangements for travel to 'Maitri' Antarctic from Goa and back, comfortable accommodation on ship and in Antarctica, food, polar clothing requirements and personal insurance cover. Vehicle, helicopter and field camp support for experiments will be also available. All other expenses including those related to procurement of scientific equipments, attending Pre Antarctic trainings & briefings, Hard Duty Allowance, etc. will have to be borne by the participating organizations. This may be taken into account while forwarding the nominations.
6. Deadline for receiving proposals: **Three copies** of the proposals along with biodata of the proposer(s) and names of two referees are to be forwarded through proper channel and must reach the **Centre Director, Antarctic Study Centre, Headland Sada, Vasco da Gama, Goa 403 804 (Ph: 0834 512317, Fax: 512322) by 15 April 1999.** Nominations received after this date will not be entertained.