

NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
DEPARTMENT OF OCEAN DEVELOPMENT
(GOVERNMENT OF INDIA)

CALL FOR RESEARCH PROPOSALS FOR
21st INDIAN SCIENTIFIC EXPEDITION TO ANTARCTICA (2001–2002)

- 1 The Twenty-first Indian Scientific Expedition to Antarctica will be launched in December 2001 and will consist of **summer team** which will return to India in March 2002 and a **winter team** which will return to India in March 2003.
- 2 National Centre for Antarctic & Ocean Research, at Goa invites proposals for undertaking front ranking scientific experiments in Antarctica in the inter-disciplinary fields of: (i) Earth sciences and glaciology; (ii) Global change processes; (iii) Meteorology and atmospheric sciences; (iv) Environmental sciences; (v) Biology; (vi) Human physiology and medicine; and (vii) Engineering and communication sciences. **Thrust areas** of expedition science identified are:

Ocean–ice–atmosphere interaction; Polar remote sensing; Global change and Antarctica; Ice sheet mass balance and ice thickness; Palaeo-climate and environment; Environment monitoring and conservation; Bio-potentials of Antarctic organisms; Atmospheric and solar terrestrial physics; Cold region technology development; Antarctic Neotectonics.
- 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 station' 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) and logistic requirements; Any national/international collaboration envisaged. The ongoing programmes should be submitted on a three years projection.
- 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 NCAOR/DOD makes arrangements for travel to 'Maitri' Antarctica from Goa via Cape Town (South Africa) and back, accommodation on ship and in Antarctica, food, special polar clothing 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 equipment, attending Pre Antarctic trainings and 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 bio data of the proposer(s) and names of two referees are to be forwarded through proper channel and must reach the **Centre Director, National Center for Antarctic & Ocean Research, Headland Sada, Vasco da Gama, Goa 403 804** (Contact: Phone: 0832-520876, Fax: 0832-520877) by **30 April 2001**. The P.I. should be a permanent staff in the institution/laboratory. Nominations received after this date will not be entertained.