

**FORMAT FOR SUBMISSION OF
RESEARCH PROPOSAL TO PARTICIPATE IN
42nd INDIAN SCIENTIFIC EXPEDITION TO ANTARCTICA (42-ISEA)**
(All columns have to be filled compulsorily and should be neatly typed/ Strike off which is not relevant)

*AFFIX
RECENT
PHOTOGRAPH

1.	<p>* Principal Investigator (PI): *Designation: *Office Address: *Residence: *Contact No: *Official: *Personal (Mob.): Fax No: *Email ID: Field of Specialization:</p>
2.	<p>Co- Principal Investigator (Co-PI.) [<i>If any</i>] Designation: Office Address: Residence: Contact No: Official: Personal (Mob.): Fax No: Email ID: Field of Specialization:</p>
3.	<p>*Choose the Area of Operation in Antarctica <i>(please delete which is not applicable)</i> :</p> <p style="padding-left: 40px;">Larsemann Hills (Bharati) Schirmacher Oasis (Maitri) Voyage Lambert Glacier/Amery Ice Shelf Larsemann Hills (Bharati) & Schirmacher Oasis (Maitri) Larsemann Hills (Bharati) & Voyage Larsemann Hills (Bharati) , Schirmacher Oasis (Maitri) & Voyage</p>
4.	<p>*Project Title:</p>

5.	<p>*Scientific Area of Work (<i>please delete which is not applicable</i>):</p> <ul style="list-style-type: none"> ▪ Climate Processes and Linkages to Change <ul style="list-style-type: none"> a) Antarctic ice-sheet and Sea-level rise b) Sea ice monitoring and modelling c) Antarctic Atmosphere / Southern Ocean teleconnection to Tropics d) Paleoclimate (Ice and sedimentary archives) e) Surface Processes and Landscapes ▪ Crustal evolution <ul style="list-style-type: none"> a) Reconstruction of sub-ice geology b) Early earth and evolution of earth c) Heat flow modelling for EAIS behaviour d) Geological Exploration of Amery Ice Shelf (GeoEAIS) ▪ Environmental Processes and Conservation <ul style="list-style-type: none"> a) Trends and sensitivity to change b) Human interventions: mitigation and prevention ▪ Ecosystem of Terrestrial and Nearshore <ul style="list-style-type: none"> a) Lake biogeochemistry and productivity c) Microbial diversity d) Polar biodiversity e) Wildlife ▪ Observational Research <ul style="list-style-type: none"> a) Atmospheric observations including climate reference stations b) Coastal ocean observatories (Prydz Bay) and deep ocean mooring c) Ionospheric studies / Space weather / Atmospheric electricity d) GPS networks / Seismological observation e) Hydrographic survey /Bathymetry f) Topographical and geological mapping f) Satellite Communication and Remote sensing g) Stellar observations h) Human Physiology <p>Select one sub-theme from the thematic areas.</p>
6.	*Details of Proposed project to be undertaken: -
a.	<p>*Whether ongoing or a new proposal?</p> <p>1.Ongoing Proposal</p> <p>2. New Proposal</p> <p><i>If ongoing programme, please mention date of initiation, accomplishments and submit PDF's of published work from Antarctica. List of published papers, articles to be attached as Annexure 1.</i></p>
b.	Name of institution(s) where the proposed work will be implemented: Permission to be obtained
c.	Facilities/ infrastructure available for the project with the PI & Co-PI
d.	*Project achievable objectives:
e.	Hypothesis of the project :
f.	Review of earlier work on National scene:

g.	International Status of proposed work:
h.	*Project summary (Abstract – not more than 500 words): [Include five key words]
i.	*Importance of the proposed study:
	*Work plan [including detailed Methodology]: Use flow charts <ul style="list-style-type: none"> • Specify area/s of work around the station: • Name the areas for scientific work near the stations • Sample/ Data to be collected Instruments to be utilized
j.	*Outline the time schedules: In-terms of year
k.	*Time schedule of achievable activities with milestones: Horizontal bar chart/s a. Short term-summer b. long term- winter
l.	Any national/international collaborations envisaged for the project: Yes No (If yes, details to be provided with name, email, contact postal address)
m.	*Logistics requirements to carry out proposed scientific activities: <i>Please specify with brevity</i>
n.	Whether Helicopter support is needed <ul style="list-style-type: none"> • If yes, specify the total duration/drop points (whichever applicable) required and the purpose for which it is required • Study area/map with location marked may be attached and prioritized with sequential numbering (You can download the maps here) • <i>Note: Please plan your field visits based on the maps provided in this link (https://ncpor.res.in/news/view/535). Field visits outside the map area requires prior approval/planning and needs to be presented during the workshop for due consideration</i>
o.	*The team component : 1.Summer 2.Winter (Name and addresses of actual participants to be given)
p.	Key words of Meta data to be generated:
q.	Type of data to be generated:
r.	Any other information in support of the project:

If it is an inter-institutional programme, endorsements from all participating institutions are required. (Please note in case there is no input - use N.A or NIL as applicable)

Declaration

I, hereby solemnly affirm that the information, I have given in the foregoing application is truthful, complete and correct to the best of my knowledge and belief.

I also affirm that I have read and understood the rules, regulations and expedition norms including the data policy of NCPOR and will abide by it.

Name and Signature of the Principal Investigator

*** (Endorsement from the Head of the Institute/Organization)**

(To be provided on official letterhead)

1. Certified that Institute has no objection in the implementation of the above project with short/ long term commitment and the participation of the above officials in India Scientific Antarctic Expedition.
2. Certified that the infrastructure and administrative facilities will be extended to PI throughout the duration of above mentioned project.
3. Certified that Institute will take financial and management responsibilities of the project as per the existing rules of the Institute.
4. Certified that all expenses including those related to procurement of scientific equipments, attending acclimatization training, medicals & briefings, Hard Duty Allowance will be borne by the Organization.
5. Certified that institute / organization will abide by the Data Policy of NCPOR for which an undertaking in the prescribed format will be provided by the Principal and Co-Principal investigator.

Name and Signature of
Head of the Institute/Organization
SEAL

***Brief BIO-DATA OF PRINCIPAL INVESTIGATOR**

(In case individual submission)

1. Name & Address (office/Res.) :
(in BLOCK LETTERS)
2. Designation :
3. Date of Birth :
4. Name of Institution :
5. Academic qualification (from Graduation) :
6. Details of professional training and research :
experience, specifying period
7. Details of employment (past & present). :
8. List of publications during last five years (with :
complete details such as Journal name, all the
author's name as appeared in the journal,
volume number, page number and the year of
publication)
9. Professional Recognition :
10. Awards/ Honours :
11. Any other information :

Date:

Place:

Name and Signature of the
Principal Investigator

***DECLARATION**

(To be provided on official letterhead)

- 1) I/We,(Name of the expedition member/s) member/s of summer(short term) /winter team (long term) of _____ Indian Scientific Antarctic Expedition do hereby solemnly affirm that I/We shall hand over all data (Raw as well as Processed) generated during and after the expedition in which I/We participated to NCPOR within stipulated time as decide by NCPOR .
- 2) I/We also affirm that I/We shall provide a part of the samples (with details & locations) as far as practicable collected by me/us during my/our stay in Antarctica Expedition to NCPOR on my/our return to be used as reference material at NCPOR .
- 3) I/We also affirm that I/We shall provide all possible details including methodology, equipments used etc. in generated Data/Samples collection.
- 4) I/We shall acknowledge NCPOR in all publication arising out of Data generated during my/our Expedition.
- 5) I/We shall provide a copy of all publication on Antarctic Research immediately to NCPOR.
- 6) I/We shall abide by the guidelines/policies of NCPOR related to Indian Scientific Expedition to Antarctic issued from time to time and provide all possible inputs to NCPOR as and when required related to Antarctic Expedition.
- 7) I/We shall affirm that I/We will submit a detailed expedition report to NCPOR **within six months** from the date of my arrival to India.

Signature of Head of
Institute/Organization with
official seal

Name & Signature of
Participating expedition member/s

(Please note in case of organizational programme instead of individual's name organization's name may be filled in above format)