

## **User Manual**

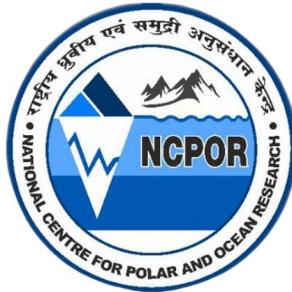
This document outlines the steps involved in submitting your proposal. Please review each step carefully and ensure that all required documents are prepared and submitted in accordance with the guidelines.

All documents are mandatory wherever applicable. Proposals with incomplete submissions or incorrect documentation will not be considered for further review.

Applicants are advised to avoid multiple submissions.

All document templates and prescribed formats will be available in the submission portal under the “**Downloads**” tab. Applicants should use only the documents relevant to their submission.

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**STEP-1**

Fields marked as \* are mandatory

**Registration Id :**

ISEA-72

**Research Proposal No :**

ISEA-72-46-6

**Principal Investigator (PI) :**

PI Name \*

Designation \*

Office Address \*

Contact No

Official Contact No \*

Personal (Mob.) \*

Email ID

Official Email ID \*

Personal Email ID \*

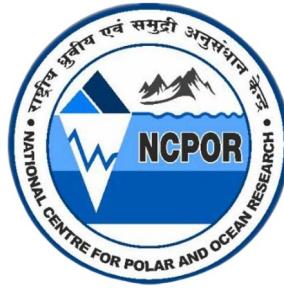
Field of Specialization \*

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**STEP-2**

Co-Principal Investigator (Co-PI. )[if any]

**Co-PI Name**

**Designation**

**Office Address**

**Contact No**

**Email ID**

**Field of  
Specialization**

**CV**

**NOC**

[ADD](#)

Note: Upload only PDF.

Co- Principal Investigator	Designation	Office Address	Contact No	Email ID	Field of Specialization	CV	NOC
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**STEP-3**

Fields marked as \* are mandatory

**Scientific Area of Work \***

**Theme**

**Sub Theme**

**ADD**

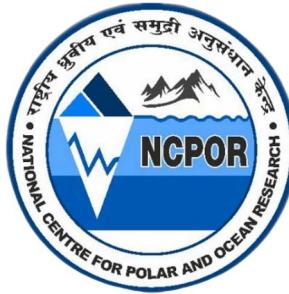
Theme	Sub Theme	
Crustal evolution	Reconstruction of sub-ice geology	Delete
Crustal evolution	Reconstruction of sub-ice geology	Delete

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**STEP-4**

Fields marked as \* are mandatory

**Choose the Area of Operation in Antarctica \***

- Larsemann Hills (Bharati)
- Schirmacher Oasis (Maitri)
- Voyage
- Lambert Glacier/ Amery Ice Shelf
- Others

Others:

**Project Title \***

**Synopsis \***

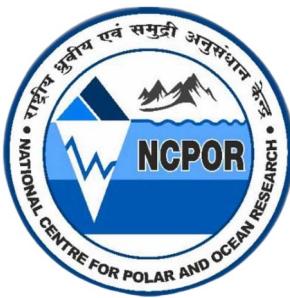
**Background / Introduction \***

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## STEP-5

Fields marked as \* are mandatory

**Whether ongoing or a new proposal ? \***

If ongoing programme, please mention date of initiation

Date :

mm / dd / yyyy



Upload Pdf :

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Attach NCPP approved letter

Upload Meta  
Data Pdf :

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[Download Metadata Form](#)

Upload Meta  
Data Excel  
Sheet:

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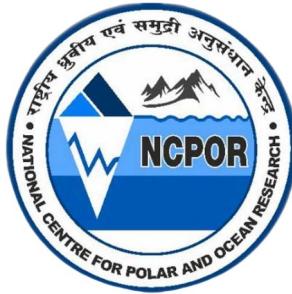
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## STEP-6

**Fields marked as \* are mandatory**

**Objectives \***

**Detailed Methodology \*****Significance / Importance of the study \*****National Status \*****International Status \***

**Summary of the Project \*****Facilities/ infrastructure available for the project with the PI and Co-PI \*****Outline the time schedules: In-terms of year \***

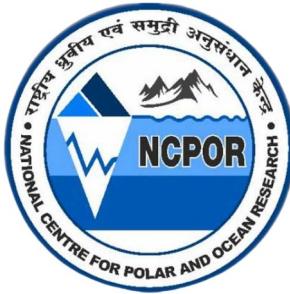
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**STEP-7**

**Fields marked as \* are mandatory**

**\*Time Line**

**Browse...**

No file selected.

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**Note:** Upload only XLSX, DOCX, or PDF

**\*Publication list relevant to the proposed project**

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**STEP-8**

**Collaboration (National and International)**

**Name**

**Affiliation**

**Contact Postal  
Address**

**Attach MoU**

**ADD**

**Note: Upload only PDF.**

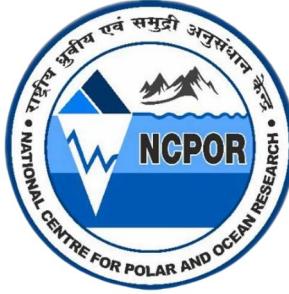
<b>Name</b>	<b>Affiliation</b>	<b>Contact Postal Address</b>	<b>MoU</b>
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**STEP-9**

Fields marked as \* are mandatory

Name of institution(s) where the proposed work will be implemented: Permission to be obtained :

**Name of Institution**

**Permission**

No fil...cted.

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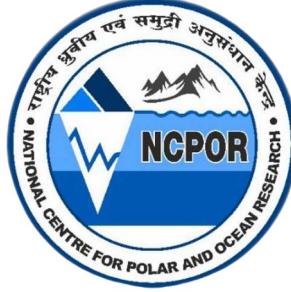
Name of Institution	Permission
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**STEP-10**

Sample or Type of data to be collected

**Sample or Type of data**

**Attach NOC**

No file selected.

**ADD**

**Note: For biological samples, human physiological data collection etc.,**

NOC has to be submitted competent authority or ethics review committee.

Sample or Type of data	NOC
------------------------	-----

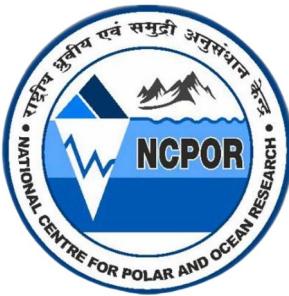
**Any other information in support of the project \***

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## STEP-11

Fields marked as \* are mandatory

### \*Location on Map/ Latitude, Longitude

- Study area/map with location marked may be attached and prioritized with sequential numbering (You can download the maps [here](#))
- *Note: Please plan your field visits based on the maps provided in this link. Field visits outside the map area requires prior approval/planning and needs to be presented during the workshop for due consideration*

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**\*Logistic support required?**

- (You can download the form for the logistical requirements [here](#))

If yes,

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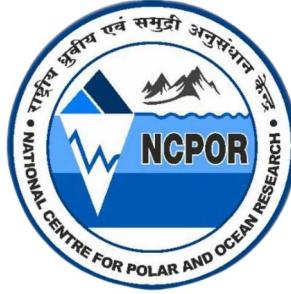
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**STEP-12**

The team component (summer/winter)  
(Name and addresses of actual participants to be given)

Name	Affiliation	Summer/ Winter	Maitri/ Bharati/ Voyage/ No visit required
------	-------------	-------------------	--

--	--

Summer	▼
--------	---

- Maitri
- Bharati
- Voyage
- No visit required

[ADD](#)

Name	Affiliation	Summer/ Winter	Maitri/ Bharati/ Voyage/ No visit required
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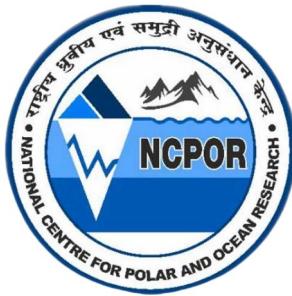
**Key words of Meta data to be generated \***

The Larsemann Hills is one of the major ice-free coastal oases along the continental margin of East Antarctica and is host to numerous lakes. The sedimentary sequences that have accumulated in these lakes record changes in local climate, ice sheet extent, and relative sea level, that can be inferred from a range of inorganic and organic proxies. Here, we report the ontogeny of a polar lake from a radiocarbon-dated, 82 cm long sediment core from Mochou Lake that spans the last 28.5 ka. Our reconstruction is based on multi-proxy inorganic (grain size variation: sand-silt-clay) and organic (TCorg, TN, C/N,  $\delta^{13}\text{C}$ ,

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## STEP-13

Fields marked as \* are mandatory

For Indian Expedition to Antarctica/ To Enter /To Stay at Indian Stations \* [\(Form 1\)](#):

No file selected.

i

**Do your proposed work falls under ASPA ? \***

If yes,

ASPA :

- ASPA 163
- ASPA 174
- Others

Others:

For Entering and Performing Activities In Antarctic Specially Protected Area/ Marine Protected Area ([Form 1A](#)):

[Browse...](#) No file selected.

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Application for permit for mineral resource activity ([Form 1B](#)):

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Application for permit to allow the introduction of non-native animals, plants or microscopic organisms or removal or damage to native plants/ birds/mammals/ disturb habitat of native birds/remove soil or biological material or collection/removal of any other sample for the purposes of scientific research ([Form 1C](#)):

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