



## PU – IIT Ropar Regional Accelerator for Holistic Innovations (RAHI)

Northern Region S&T Cluster established by the O/o PSA, Government of India

Technology Block, Panjab University, Sector-25, Chandigarh-160014 (India)

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### Call for R&D/Innovation proposals at PI–RAHI

Advt No.: RAHI/R&D/December 2023/01

Dated: 18.12.2023

PU – IIT Ropar Regional Accelerator for Holistic Innovations (PI–RAHI) is the first regional S&T cluster established by the Office of the Principal Scientific Advisor (O/o PSA), Government of India, in Chandigarh and jointly led by the Panjab University and IIT Ropar. The cluster is located at the Panjab University Campus in Chandigarh. The primary focus areas of PI–RAHI are: (i) Agriculture & Food Processing, (ii) Indigenous Technology Development & Optimisation, (iii) Pharma/Healthcare & Medical Devices, (iv) Waste Management and Waste to Wealth (iv) Sustainable Mobility & Green Energy (v) HRD through skilling, re-skilling and upskilling.

**Last Date for Application: this is a rolling advertisement and the applications will be reviewed as they are received at the cluster.**

RAHI supports the R&D, technology development, deployment and commercialization in the domain of (i) Agriculture & Food Processing, (ii) Indigenous Technology Development & Optimisation, (iii) Pharma/Healthcare & Medical Devices, (iv) Waste Management and Waste to Wealth (iv) Sustainable Mobility & Green Energy (v) HRD through skilling, re-skilling and upskilling. Applications are invited for the R&D / innovation proposals in any of these domains, but not limited to, from Indian nationals.

RAHI will provide support to technology projects (with TRL 4/4+) designed for a duration of **3-6 months**, with funding support of up to **20 lakhs to be utilized for technology upgradation, validation and technology commercialization**. The primary focus of the projects should be on developing and deploying technology products and lead to the generation of Intellectual Property and publications.

Scientists/engineers/technologists/startups/MSMEs working in academic institutions/R&D institutions/laboratories having adequate infrastructure/facilities to carry out Technology Development work/prototype building can apply for the grant. Financial support will be provided for the indigenous development of innovative technologies in any of the domain mentioned above.

#### Eligibility criteria

1. Proposals must be submitted by Scientists/Faculty/Engineers/Technologists working in Universities and other Academic institutions; R&D institutions/Laboratories having adequate infrastructure and facilities to carry out R&D work and startups/MSMEs/industries
2. The project proposed should be prepared for 3-6 months.
3. Endorsement from the Head of the Organization will be required along with the certificate from the Principal Investigator (PI)
4. Letter of participation from an Industry / startups / MSMEs with minimum 20% financial support in cash or in-kind is mandatory for making this application.

## **POINTS TO BE KEPT IN MIND WHILE SUBMITTING PROJECTS PROPOSALS**

1. Financial support (up to INR 20 lakhs for the project) is provided only for temporary staff salaries, equipment (if necessary, and not available with PI's Institute, and specific to project requirement), consumables and other miscellaneous items. No support is provided towards basic infrastructure, buildings and International travel.
2. The investigators/ R&D Group must have adequate experience and expertise in the relevant area of proposal. The proposals should be based on innovative technologies/ ideas.
3. Proposals should have specific, concrete, quantifiable objectives/deliverables.
4. The technology demonstration plan should be clearly spelled out with achievable milestones, timelines, justifiable budget requirement, and engagement with prospective technology transfer partners or technology transfer facilitating bodies.
5. It is envisaged that the end product of development shall be transferred to industries/suitable stakeholders for technology implementation. Hence, project should be proposed with appropriate industry/suitable stakeholder participation, clearly stating the technical as well as financial terms of participation.
6. No financial support will be provided to industry. **An endorsement letter from the participating industry/stakeholder with a detailed breakup of their contribution for the proposed project has to be submitted in case of collaboration project proposal.**
7. The monthly deliverables should be clearly mentioned in the proposal in the form of a Gantt chart/ matrix.
8. The projects should be time-bound normally for duration of 6 months
9. Implementation of the projects will be monitored regularly through Progress Reports,
10. Audited Financial Statements and Committee of Experts in Group review meetings and onsite review as well.

## **FORMAT FOR THE PROJECT PROPOSAL**

1. Title
2. Aims and Objectives
3. Project Summary
4. Key words
5. Background
6. Novelty
7. Plan of work
8. Important Milestones
9. Projected deliverables
10. Target Beneficiary and Impact
11. Detailed Budget (with justification)
12. Details of Industry Partner
13. Endorsement Certificate from the Head of the Organization
14. Certificate from the PI

## **The proposals are to be submitted to any one of the following**

Prof. Harsh Nayyar,  
Director, Research & Development Cell  
Panjab University, Chandigarh-160014 (India)  
Email: [directorrdc@pu.ac.in](mailto:directorrdc@pu.ac.in)

Dr. Pushpendra P. Singh  
Dean (Research and Development)  
Indian Institute of Technology Ropar,  
Rupnagar – 140 001, Punjab (India)  
Email: [pps@iitrpr.ac.in](mailto:pps@iitrpr.ac.in)

**For any queries related to this call, please feel free to write to any of the above persons**

### Format for the Project Proposal

Title
Aims and Objectives
Project Summary (250 words)
Key words
Background (500 words)
Novelty (250 words)
Plan of work (1000 words)
Important Milestones
Projected deliverables (including the technical detail of the project)
Target Beneficiary and Impact
Detailed Budget (with justification)
Details of Industry Partner (Support letter from Industry committing financial support)
Endorsement Certificate from the Head of the Organization (on the institute letter head; format enclosed)
Certificate from the PI (on the department Letter Head; format enclosed)

## ENDORSEMENT FROM THE HEAD OF THE INSTITUTION

**PROJECT TITLE** :

**Name(s) of the PI's and Co-PI's** :

It is certified that the Institute welcomes participation of above as the Principal Investigator(s) and/or Co-PI(s) for the project. The research proposal falls in line with the normal research activities of the Institution.

1. Certified that the equipment other basic facilities and such other administrative and accounting facilities as per terms and conditions of the grant will be extended to the investigator throughout the duration of project.
2. Institute assumes the financial and other management responsibilities of the project including timely submission of Progress Reports, UC's and SE's and facilitate in conducting external audit, if required.

Name of the Head of Institution

Signature with stamp

Date

Place :



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### CERTIFICATE FROM THE INVESTIGATOR

**PROJECT Title** :

**Name(s) of the PI's and Co-PI's** :

1. I/We agree to abide by the terms and conditions of PI – RAHI
2. I/We did not submit this or a similar project proposal elsewhere for financial support.
3. I/we have explored and ensured that equipment and basic facilities will actually be available as and when required for the purpose of the project. I/We shall not request financial support under this project for procedure for procurement of these items.
4. I/We undertake that spare time on permanent equipment and will be made available to other Researchers/ users.
5. I/We undertake to submit progress reports, Statement of Expenditure (SE)/accounts, Utilization Certificates (UC) etc. covering till completion of the project.
6. I/We have enclosed the following materials:
  - a. Endorsement from the Head of the Institution (on letter head)
  - b. Certificate from Investigator (s)
  - c. Completed Proposal

Date:

Signature of PI/PI's

Place: