

IIT KHARAGPUR RESEARCH PARK FOUNDATION

Reference No.: IITKGP/R_hRP/CP/02 Dated March 07, 2025

Call for Proposal from Innovators' and Start-ups (2nd phase)

The IIT Kharagpur Research Park Foundation is inviting proposals from individual innovators or start-ups from anywhere in India.

Who can apply?

A. Any Indian citizen or Indian startup having innovative idea and wish to translate their idea into working prototypes/models/tangible processes or system are eligible to apply.

B. Any Indian citizen or Indian start up having innovative transnational research out-put in the form of prototype for converting to product

Thrust Areas:

- i) Social entrepreneurship, which could include areas like education, healthcare, environmental sustainability, poverty alleviation, gender equality, community development, economic empowerment, access to clean water, renewable energy, or tackling social issues like unemployment; essentially, any area where innovative business models can be used to create positive social change and address significant societal problem.
- ii) Blue Economy entrepreneurship the development of business ventures focused on utilizing ocean resources in a sustainable way, encompassing sectors like fisheries, aquaculture, marine tourism, renewable energy from the ocean, marine biotechnology, coastal development, and shipping, while prioritizing the health of the marine ecosystem and minimizing environmental impact; essentially, creating economic opportunities from the ocean while protecting its natural assets
- iii) Physical asset management-oriented entrepreneurship for business venture focused on developing and providing services related to efficiently managing and optimizing physical assets like machinery, equipment, buildings, and vehicles within an organization, aiming to maximize their value and minimize risks throughout their lifecycle through strategies like preventative maintenance, data analytics, and asset tracking.
- iv) Maintenance engineering-oriented entrepreneurship" for starting a business that leverages the skills and knowledge of a maintenance engineer, focusing on providing services or developing products related to optimizing equipment reliability, preventing breakdowns, and improving overall asset lifespan within industrial settings, often by utilizing innovative technologies and data analysis techniques
- v) Bulk material handling oriented entrepreneurship for the development of new technologies, processes, and business models focused on efficiently and effectively moving and managing large volumes of loose, granular materials (like grains, powders, or ores) in industries like mining, agriculture, and construction, often with a focus on automation, sustainability, and optimized logistics, which presents opportunities for new startups and entrepreneurs to create innovative solutions in this sector

- vi) Electronic design and fabrication entrepreneurship that involves designing, creating, and producing electronic hardware. It's a complex process that requires careful planning and consideration of manufacturing capabilities and component availability.
- vii) Gaming-oriented entrepreneurship involving starting a business in the gaming industry, which includes game development, esports, and more
- viii) Edutainment-oriented entrepreneurship for business ventures that combine educational content with entertainment elements, aiming to make learning engaging and accessible through fun and interactive formats, often leveraging technology to deliver this experience across various platform.
- ix) AR VR oriented entrepreneurship to start a business focused on developing and applying augmented reality (AR) and virtual reality (VR) technologies to solve problems or create new experiences across various industries, leveraging the immersive capabilities of these technologies to enhance customer engagement, training, product visualization, and more, essentially creating innovative solutions by integrating AR/VR features into products and services.
- x) Environmental entrepreneurship or ecopreneurship, for a business practice that focuses on sustainability and solving environmental problem

Programs and Eligibility:

Category	Support	Eligibility
Category-I (Proof of Concept/ Prototypes/ Models)	Maximum support may be limited to Rs. 2.00 lakhs. However, proposals with higher TRL may be considered for additional funding.	Any Indian citizen of India including student, staff or faculty innovators of IIT Kharagpur or can avail support to develop their novel idea into demonstrable models/prototypes. The call is also open for any other innovators from anywhere in India.
Category-II (Product Development)	Maximum support may be limited to Rs. 5.00 lakhs. However, proposals with higher TRL may be considered for additional funding.	Any citizen of India including student, staff or faculty innovators of IIT Kharagpur can avail support to further develop their already developed novel product/ Value Addition. The call is also open for any other innovators from anywhere in India.

Guidelines and Applications:

- i) **Category I (Enclosed)**
- ii) **Category II (Enclosed)**

The applications may be submitted through email (souravm.iitkgp@respark.iitkgp.ac.in) and the hard copy of the proposals may be submitted to the IIT Kharagpur Research Park office at Newtown, Kolkata on or before 21.03.2025. The applications will be reviewed by the Expert Committee and the shortlisted applicants will be called for presentation, the date of which will be notified latter.

IIT KHARAGPUR RESEARCH PARK FOUNDATION

Category I: Product Development

Guidelines

Eligibility

- Any Indian Citizen having innovative idea or an invention

Scope & Support

- Project cost up to Rs. 2.00 lakh.
- Proposals to demonstrate novel delivery models to take S&T innovations to effect inclusive growth.
- The proposals shall preferably be in the focus sectors as mentioned in Page 1:
- category is Rs. 2.00 Lakh. However, proposal with higher TRL may be considered for additional funding.

Mechanism

- The proposals (Hard Copy) may be submitted to the Research Park office.
- The proposals initially will be screened for completeness at the point of receipt by the Research Park.
- The proposals after initial Screening are evaluated by the Review Committee associated with the Research Park.
- The sanction will finally be released to those whose projects are approved by the Review Committee associated with the Research Park.
- The first release is based on milestones/deliverables projected in the project proposals and as recommended by Review Committee associated with the Research Park. The subsequent releases are based on assessment of progress of the project by Review Committee associated with the Research Park
- The approved projects will be monitored by the Review Committee associated with the Research Park at an interval of 3 months.
- The project completion report will be accepted by the Competent Authority based on recommendations of the Review Committee associated with the Research Park.

IIT KHARAGPUR RESEARCH PARK FOUNDATION

Category I: Proof of Concept/ Prototypes/ Models

Application Form

Photo

1. Title of the proposed project:
2. a. Name of the applicant :
b. Father's name/Husband's name:
c. Postal Address:

- Present Address:
- Permanent Address:

N.B:

1. Please provide Pin Code, Telephone numbers, mobile number and e-mail address
2. Please enclose residence certificate issued by Sub-Divisional Magistrate(SDM)/District Magistrate(DM) or a copy of ration card or any other document regarding proof of residence

- d. Address of Institute/Organization:

(For Students and working Innovator, No Objection Certificate from Head of Institute /Organization is required)

- e. Profession of the applicant ☐ Housewife ☐ Student ☐ Farmer
(Please tick ✓ as applicable) ☐ Any other _____
(specify)

- f. Date of Birth: _____
YY/MM/DD

- g. Educational qualification: _____

- h. Annual Income of the applicant:
(If you are an Income Tax Payer, please provide your PAN No. and attach a copy of the latest Income Tax Returns you filed)

- i. PAN No.-

- j. Aadhaar No. -

3. Brief description of the idea highlighting innovative element.
(Please use a separate sheet)

4. (a) Status of work already carried out (if any) such as
- ☐ Participation in competition
 - ☐ Making a model
 - ☐ Provisional application for patent
 - ☐ Paper presentations
 - ☐ Publication
 - ☐ College project
 - ☐ Any other
- (b) Science and working principle behind the idea
- (c) Final outcome/deliverable of the project
- (d) Who would be the beneficiary of this innovation and why?
(Please use a separate sheet)

5. Proposed costs and time frame

Sl. no.	Items	Project Cost	
i	R&D/Design Engg / Consultancy		
ii	Raw materials/ consumables/ spares		
iii	Fabrication /synthesis charges of working model /process		
iv	Patent filing cost (actual fee paid to patent office)		
v	Any other		
	Total Cost		

6. Activity details/work plan

Sr. No.	Activities	Monitor-able milestones (Basis : Refer Scope and Support)	Duration (months)

Note: Duration of the project should not be more than 9 months.

7. **Declaration:**

I declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of any information, found false or incorrect, my candidature will stand cancelled and all my claims will be forfeited. I have not received any financial assistance for the present proposal from any other agency.

Place:

Signature of the applicant

Date:

IIT KHARAGPUR RESEARCH PARK FOUNDATION

Category II: Product Development

Guidelines

Eligibility

- Any Indian Citizen having innovative idea or an invention

Scope & Support

- Project cost up to Rs. 5.00 lakh.
- Category II is more rigorous demonstrability of original idea/invention/know-how in the form of working prototype/processes and its testing and trial/patenting/technology transfer etc.
- Proposals to demonstrate novel delivery models to take S&T innovations to effect inclusive growth.
- The proposals shall preferably be in the focus sectors as mentioned in Page 1:
- Maximum support under this category is Rs. 5.00 Lakh. However, proposal with higher TRL may be considered for additional funding.

Mechanism

- The proposals (Hard Copy) may be submitted to Research Park office.
- The proposals initially will be screened for completeness at the point of receipt by Research Park.
- The proposals after initial Screening are evaluated by the Review Committee associated with the Research Park.
- The sanction will finally be released to those whose projects are approved by the Review Committee associated with the Research Park.
- The first release is based on milestones/deliverables projected in the project proposals and as recommended by Review Committee associated with the Research Park. The subsequent releases are based on assessment of progress of the project by Review Committee associated with the Research Park.
- The approved projects will be monitored by the Review Committee associated with the Research Park at an interval of 3 months.
- The project completion report will be accepted by the Competent Authority based on recommendations of the Review Committee associated with the Research Park.

IIT KHARAGPUR RESEARCH PARK FOUNDATION

Category II: Product Development

Application Form

1. Title of the proposed project:

Photo

2. a. Name of the applicant:

b. Father's name/Husband's name:

c. Postal address:

- Present Address:

- Permanent Address:

N.B:

1. Please provide Pin Code, Telephone numbers, mobile number and e-mail address
2. Please enclose residence certificate issued by Sub-Divisional Magistrate(SDM)/District Magistrate(DM) or a copy of ration card or any other document regarding proof of residence

d. Address of Organization/Institute:

(For Students and working Innovator, No Objection Certificate from Head of Institute /Organization is required)

e. Profession

(Please tick ✓ as applicable)

☐ Faculty ☐ Doctor ☐ Scientist

☐ Housewife ☐ Student

☐ Farmer

☐ Any other _____
(specify)

f. Date of Birth:

YY /MM/DD

g. Educational qualification:

h. Annual Income of the applicant:

(If you are an Income Tax Payer, provide your PAN No. and attach a copy of the latest Income Tax Returns you filed)

i. PAN No. (mandatory) :

j. Aadhaar No.

3. Details of work done on innovation so far:

☐ Literature survey/patent search

☐ Development work done so far, including involvement of agencies, consultation with experts

☐ Patenting of the innovation

☐ Tie-up for design, fabrication etc with any external agencies

☐ Techno-economic / market feasibility studies /reports, if any

☐ Consumers / users feedback, if any

☐ Any other

4. Brief write-up giving broad details of the original idea/ invention/ IPR/ Know how available with the individual, highlighting its originality/Novelty and the scientific principle involved therein. Following information to be furnished by innovator:

(i) Description of working of the innovation (use sketch/drawing , patent, photographs, video to explain the working)

(ii) Description of science behind the innovation

(iii) Technology trends from the literature survey and patent search

(iv) Technological challenges in design and prototype manufacture based on innovator's skill

5. Proposed costs and time frame for the project

Sl. No.	Items	Project Cost	* Basis of estimation/ justification
i.	R&D/Design Engg / Consultancy charges		
ii.	Rental charges for laboratory/workshop facilities	(Not more than 20 % of total cost)	
iii.	Essential equipment that cannot be taken on rent.		
iv.	Raw Material/spares/consumables cost		
v.	Fabrication/synthesis Charges		
vi.	Manpower cost of technical	(Not more than	

	assistants	10% of total cost)	
vii.	Testing and Trials		
viii.	Travel	(Not more than 5% of total cost)	
ix.	Patent Filing		
	Total Cost		

6. Activity details/work plan

Activity	Monitor-able milestones (as per requirement of category II) (Basis: Refer Scope and Support)	Duration (months)	Budget required (Rs)

Note: Duration of the project should not be more than 12 months.

7. (a) End product / process / output-resulting from the idea/ invention/ innovation / final deliverables

(Including targeted specifications, performance requirements/standards)

(b) Innovation's benefit to the society:

8. Any other information relevant to the project:

9. **Declaration:**

I / We declare that all the statements made in this application are true, complete and correct to the best of my/our knowledge and belief. In the event of any information, found false or incorrect, my/our candidature will stand cancelled and all my/us claims will be forfeited. I / We have not received any financial assistance for the present proposal from any other agency.

Place:

Signature of the applicant

Date:

IIT KHARAGPUR RESEARCH PARK FOUNDATION

Terms & Conditions for the projects considered under Category I/II

Name of the project	-
Name of the applicant	-
Approved Project Cost	-
Duration of the project	-

FINANCIAL CONDITIONS:

1. Approval of the sanctioned project and the amount being provided should be used for the specific project sanctioned. The amount approved should be exclusively spent on the project within the project period as approved. Any unspent balance out of the amount sanctioned must be surrendered to the IIT Kharagpur Research Park Foundation.
2. The project will become operative w.e.f. the date on which the first financial sanction is issued by the IIT Kharagpur Research Park Foundation.
3. The amount received from the IIT Kharagpur Research Park Foundation would be kept in a separate no interest account, the details of which shall be intimated to the IIT Kharagpur Research Park Foundation. Transactions from the account shall only be for the purpose of the approved project. It is necessary that separate audited books of accounts be maintained for the expenditure incurred on the project and these books should be freely available to Government Auditors whenever required by them for inspection.
4. For permanent and semi-permanent assets, acquired wholly or partly out of the grant, an audited record should be maintained in the form of a register which should be made available to Government Auditors whenever demanded. The term "assets" will mean: (i) all immovable property; and (ii) movable property of a capital nature where the value exceeds Rs.10,000/-. The amount will not be utilized for construction of any building / acquiring land by purchase, lease etc / permanent asset like machinery required for augmenting general production facilities. Pilot plants, test equipment's, test rigs, jigs, tools and fixtures, etc required for building prototypes and testing the same can, however, be built/made/acquired out of the grant, if the same proposed and identified in the approved project proposal or subsequently approved by the IIT Kharagpur Research Park Foundation.
5. The assets, if any, wholly or partly acquired out of the IIT Kharagpur Research Park Foundation amount during the course of implementation of the project, shall not be disposed off without the specific written permission of the IIT Kharagpur Research Park Foundation. The sale proceeds, if any, arising out of such disposal shall be intimated to the IIT Kharagpur Research Park Foundation and shall be deposited in the account maintained for the amount received from the IIT Kharagpur Research Park Foundation.

The above-mentioned assets acquired from the amount released by the IIT Kharagpur Research Park Foundation will be deemed to be owned by the

Innovator only after the project is declared successful by IIT Khargapur and due permission.

6. Registration in the IIT Kharagpur Research Park is mandatory but taking space in the IIT Kharagpur Research Park is optional.

TRANSFERABILITY OF THE PROJECT:

7. While the whole project cannot be transferred to any other organization, a part of the work of the project can be sub-contracted, based on needs, to a research institute or industrial unit, in which case the payment made to such organization shall be on the basis of the quantum of work done for the project without seeking any further escalation in the IIT Kharagpur Research Park Foundation's financial support in the sanctioned project.

MONITORING:

8. The project will be periodically monitored through a group of experts nominated by the IIT Kharagpur Research Park Foundation.

USE AND LICENSING OF KNOW HOW:

9. Ownership of the IPR generated through the project, patent rights, licensing the know-how and the use of the know-how generated through the project shall be jointly owned with IIT Khargapur. However, IIT Kharagpur Research Park Foundation does not own any responsibility of disputes arising out of the IPR issues.

REPORTING:

10. It is required that Statement of Accounts duly audited by a Chartered Accountant, should be sent to the IIT Kharagpur Research Park Foundation whenever required by IIT Kharagpur Research Park Foundation.
11. A Completion Report shall be submitted to the IIT Khargapur within 30 days of the conclusion of the project. This report shall be in two parts (i) Technical and (ii) Financial, the latter consisting of a consolidated audited statement of accounts of all monies spent on the project from the IIT Kharagpur Research Park Foundation, project amount released and Certificate of Utilization of all such monies, along with a certificate from the auditors.

ESCALATION:

12. Any escalation in the cost of the project above the approved cost of the project will be borne by the innovator and not by IIT Kharagpur Research Park Foundation.

TERMINATION OF THE PROJECT:

13. The IIT Kharagpur Research Park Foundation will have the right to terminate / close the project at any stage
 - if it is convinced that the fund released have not been properly utilized, or
 - appropriate progress on the project is not being made, or
 - the project is not being carried out as per the terms and conditions and / or as per the nature and scope of the work as defined in the approved project proposal.

In case of termination of the project for not proper utilization / unsatisfactory progress of the project / violation of terms as given above, the entire amount of the grant and the amount received by disposal of the assets will be returned to IIT Kharagpur Research Park Foundation.

In case of abandonment of the project by the beneficiaries they have to return the entire funds disbursed to IIT Kharagpur Research Park Foundation.

If the project is abandoned for any techno-economic or any reason other than the above, based on the recommendations of the monitoring committee set up by the IIT Kharagpur Research Park Foundation, the unspent money of the project and / or any amount recoverable by way of disposal of assets procured out of funds released by the IIT Kharagpur shall be paid back to the IIT Kharagpur Research Park Foundation

MODIFICATION OF TERMS & CONDITIONS:

14. The above terms and conditions may be modified by the IIT Kharagpur Research Park Foundation through Mutual agreement.

Share Holding Pattern:

15. For projects below 2 lakh there will not be any equity
16. For projects between 2 lakh and 5 lakh share holding may be 2.5% to 5 %.
17. For projects between 5 lakh and 10 lakh share holding may be 5% to 8 %.
18. For projects above 10 lakh share holding may be 8% to 10 %.

The same will be applicable to company only. The Equity will be retained by the IIT Kharagpur Research Park Foundation

**UNDERTAKING OF THE INNOVATOR AND / OR COLLABORATING /
SPONSORING ORGANISATION**

I / We agree to the above terms and conditions in connection with IIT Kharagpur Research Park Foundation grants to our project concerning

“_____”.

Name:

Signature

(Photo)

Designation and Organization: / **Individual Innovator**
(If representing the sponsoring organization)

Place:

Date: