Funding Opportunity Title

CALL FOR PROPOSALS FOR THE PCIEERD YOUNG INNOVATORS PROGRAM (YIP) - FOR 2023FUNDING

Key information

Type of funding	Grant
Funding Agency	DOST-Philippine Council for Industry, Energy and Emerging Technology (DOST-PCIEERD)
Add link to start the application	DOST Project Management Information System (DPMIS): http://dpmis.dost.gov.ph

Timeline

Event	Date	Time
Opening date	April 11, 2023	8:00 A.M.
Closing date	May 19, 2023	5:00 P.M.
Evaluation Period	40 Working Days – YIP	
Start of projects	August of 2023	

Overview

The Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD) of the Department of Science and Technology (DOST) is pleased to announce its 2023 Call for Proposals (CFP) for the Young Innovators Program (YIP).

YIP is open to young talented students from high school who wish to gain research experience by engaging in a research activity under a Mentor. The program aims to train and prepare the young researchers to conduct independent research and provide funding to innovative research projects.

Opportunity summary

The Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD) of the Department of Science and Technology (DOST) is ready to accept YIP proposals for 2023 funding. The full-blown proposal should be aligned to the specific priority areas identified under the industry, energy, emerging technology, and other special concerns, and will fall under the DPMIS category **Research and Development Project.**

This funding opportunity encourages young talented students from high school who wish to gain research experience by engaging in a research activity under a mentor. Duration of the research must be for a maximum of 1 year.

Who can apply?

The applicant must:
- Be a Filipino citizen
- Be a Full-time HS student (**Grade7 - Grade 11**) involved in research/ innovation activities and currently enrolled in the sending institution within the duration of the project:
  - o   Could be an individual, or
  - o   A team with maximum of 5 members
- Undertake research aligned with the PCIEERD sectoral priority areas / HNRDA
- Not a previous YIP Grantee

The mentor must:
- Be a faculty from the same sending institution;
- With background/ expertise on the proposed study/project

The school must:
- Have the ability to issue an official receipt.
- Have a current bank account, allowed to receive funds or grants from other institutions.

What we're looking for

Young and talented high school students who has an innovative research idea that possesses the following:

a.) The research area must be within the PCIEERD sectoral priority areas / HNRDA.

- **Providing S&T Interventions for Resilient and Sustainable Communities**
  - Energy
  - Transportation
  - Utilities
  - Environment Sector (Solid, Air, Water Quality)
  - Disaster Risk Reduction and Climate Change Adaptation Sector
  - Construction
  - Convergence of Emerging Technologies (Smart Cities)
  - Human Security

- **Providing S&T Interventions for Industry Productivity and Competitiveness**
  - Food Sector
  - Process Sector
  - Textile Sector
  - Agro-industrial processing Sector
  - Chemical and biological Sector
  - Creative Industries – Footwear and Furniture, Game, Film and Animation
  - Metals and Engineering
  - Mining and Minerals
  - Industry 4.0

- **Enabling/Development of Core Technologies**
  - Advanced Materials
  - Electronics
  - ICT Innovations
  - Artificial Intelligence
  - Data Science
  - Unmanned Vehicle Systems
  - Nanotechnology
  - Optics and Photonics
  - Space Technology Applications
  - Quantum Computing

(Please refer in the last page of this document for the link of roadmaps)

b.) The work must exhibit innovation or generation of new knowledge;

c.) The research must address any current/pressing national problem;

d.) The research must produce at least one of the 6Ps as output *(Annex A)*

- **Publication -** submission of manuscript to an international journal/publication
- **Patent –** submitted patent application.
- **Product/ Invention-** with a potential for commercialization
- **People services** - people trained or mentored thru workshops, trainings, projects conducted, etc.
- **Partnerships -** forging partnerships/linkages with foreign and/or local institutions
- **Policies -** adopted science-based guidelines.

How to apply

1. All proposals should be ***submitted by the Mentor through the DOST e-Proposals submission facility at https:// dpmis.dost.gov.ph from 11 April 2023 – 19 May 2023***. The closing date for the submission of full-blown proposals is on **19 May 2023 at 5:00 PM.** A notification will be issued to eligible entities whose proposals have been evaluated and shortlisted on or before **05 June 2023**.

2. Content of e-Proposals

- **Letter of Intent and Endorsement:** Together with the proposal, DOST-PCIEERD requires submission of a formal letter of intent from the applicant and an endorsement from the authorized head of organization (you may attach it as part of your submission in the DPMIS).

- **The authorized head of the organization** will also be the principal signatory of their organization for the research agreement award. The letter of Intent and Endorsement Letter should be addressed to:

  DR. ENRICO C. PARINGIT
  Executive Director
  Philippine Council for Industry, Energy and Emerging Technology
  Research and Development (PCIEERD)
  Department of Science and Technology (DOST)
  5th Level, Science Heritage Building, DOST Compound
  Gen. Santos Ave., Bicutan, Taguig City

- **Proposal Format:** Applicants shall follow the **DOST GIA Proposal Format for R&D** which will be accomplished in the e-Proposal portal at dpmis.dost.gov.ph. **DOST Form 2 Detailed Project Proposal (for Basic or Applied Research)**

  a) **Project Title** – The title should reflect the specific project being proposed.
  b) **Project Leader**- refers to a project's principal researcher/implementer. In the case of YIP, the **Mentor** should act as the Project Leader
  c) **Implementing Agency**- the school where the students/applicants are enrolled and where the mentor is employed
  d) **Cooperating Agency/ies** - refers to the agency/ies that support/s the project by participating in its implementation as collaborator, co-grantor, committed adopter of resulting technology, or potential investor in technology development.
  e) **Site/s of Implementation** - location/s where the project will be conducted. Indicate municipality, district, province, and region.
  f) **Project Duration** – specific dates that the project will be undertaken (month/year). YIP can be implemented for a **maximum duration of one (1) year.**
  g) **Total Project Cost** - reflects the necessary support needed for Personnel Services, Maintenance and Operations, Equipment. YIP has a specific allowable

expense items.

Direct Cost:

- Personnel Services –
  - i. Honoraria for the mentor – 8,800/mo
- Maintenance and Other Operating Expenses (MOOE) – **Maximum of Php250,000.00**
  - i. Local Travel Expenses
  - ii. Training Expenses
    - Stipend of Students (Php12,000/mo / team)
  - iii. Communication Expenses
  - iv. Supplies and Materials Expenses
  - v. Survey, Research, Exploration and Development Expenses
  - vi. Professional Services (e.g. Consultancy Services)
  - vii. Printing Expenses
  - viii. Representation Expenses
  - ix. Transportation and Delivery Expenses
  - x. Rent Expenses
- Equipment / Capital Outlay – Maximum of Php 50,000.00

h) **Funding Source** – specific funding source, including counterpart funds.
  - Counterpart funding –
    - i. 15% for government/public schools
    - ii. 20% for private schools

i) **Project Description** – formal written declaration of the project and its idea and context to explain the goals and objectives to be reached and other relevant information that explains the need for the project and aims to describe the amount of work planned for implementation; refers to a simple explanation of the project that can be used as communication material.

j) **Significance** - refers to the alignment to national S&T priorities, strategic relevance to national development and sensitivity to Philippine political context, culture, tradition and gender and development.

k) **Review of Literature** refers to the following: (a) related research that have been conducted, state-of-the-art or current technologies from which the project will take off; (b) scientific/technical merit; (c) results of related research conducted by the same Project Leader, if any; (d) Prior Art Search, and; (e) other relevant

l) **Objectives -** statements of the **general and specific** purposes to address the problem areas of the project.

m) **Methodology** - Discuss here the following: (a) variables or parameters to be measured and evaluated or analyzed; (b) treatments to be used and their layout; (c) experimental procedures and design; (d) statistical analysis; (e) evaluation method and observations to be made, strategies for implementation (Conceptual/Analytical framework).

n) **Technology Roadmap** (if applicable) A visual document that communicates the plan for technology. It is a flexible planning technique to support strategic and long-range planning by matching short- and long-term goals to specific technology solutions.

o) **Expected Outputs (6Ps)** - Deliverables of the project based on the 6Ps metrics (Publication, Patent/Intellectual Property, Product, People Service, Place and Partnership, and Policy) and if applicable, defined as:

1) **Publications** - published aspect of the research, or the whole of it, in a scientific journal or conference proceeding for peer review, or in a popular form. There should be definite identification of target publications (journal name, article title, authors), even at the proposal stage. At the monitoring stage, the percentage completion should be standardized (manuscript prepared, submitted, under review, revised, accepted). At the project end, the acknowledgment by publisher of the article manuscript submission should be provided
2) **Patents Patent/Intellectual Property**- proprietary invention or scientific process for potential future profit. At the end of the project, the applications submitted to IPOPhil must be attached in the report
3) **Product invention** with a potential for commercialization.
4) **People services** - people or groups of people, who receive technical knowledge and training. At the end of the project, the actual names of students involved should be indicated including degrees attained, papers written etc.
5) **Partnerships** - linkage forged because of the study. MOAs/MOUs and letters of support should be submitted as supporting evidence/s.
6) **Policy** - science-based policy crafted and adopted by the government or academe as a result of the study. The kind of policy issuance/s should be identified (RAs, DAO, MC even city/muni ordinance if that is where it would be applicable) and should be written in a manner consistent with what these policies would look like. These should not be just white papers loosely circulated. It should be sent to target agencies/offices for consideration.

p) **Work Plan** – specific activity to be undertaken per month to produce the promised results to attain the objectives of the project.
q) **Project Management** - details on both the technical and administrative side of the project should be clearly indicated, including the sustainability plan to ensure continuity of the project amidst financial, social and environmental risks, including post-project implementation, if applicable.
r) **Supplementary Files or other Attachments** - These include related information on the proposed program/project like, resume or curriculum vitae, support letters from relevant agencies/organizations, market supply/demand projections, and letter of intent & endorsement and others documents which is needed for the proposal submitted. These can be submitted through the e-Proposals submission in DPMIS for this CFP as attachments. The following documents are required to be submitted as attachments:
  1) **Endorsement of the Head of Agency**
  2) **DOST Form 5- Workplan** - describe specific activities and/or methods to be undertaken and estimated timeline for each task.
  3) **DOST Form 11 - Project Team Information** – Short description of the roles of each project staff, expertise/qualifications, and staff knowledge using DOST - PCIEERD Form J. The Applicant may want to expound on how the manpower resources can be obtained to successfully achieve the goals of the proposed project.
  4) **Letter of Intent/Letter of Cooperation from interested adopters** of the project results (specifying role/s and monetary/in-kind

contribution in the project) (if any)\
5) **DOST Form 2 - Detailed Project Proposal (for Basic or Applied Research)**
6) **DOST Form 4 - Line-Item-budget** – estimated expenses for the implementation of the project.
7) **Curriculum Vitae of Students and Mentor**
8) **YIP Application Form**

How we will assess your application

A. Review and Selection Process

Only proposals that meet the criteria set forth under YIP Guidelines PCIEERD AO No. 2021-003 s.2021 will be evaluated.

The proposal will be subjected to the following screening process:
    a. PCIEERD-HRIDD initial screening and shortlisting
    b. PCIEERD Management Team (PMT) evaluation
    c. PCIEERD-HRIDD endorsement of shortlisted applications to the Technical Panel
    d. Shortlisted applicants presentation to the Technical Panel
    e. Technical Panel review of the shortlisted proposals/applications and selection of finalist (maximum of 15)
    f. PCIEERD Management Team approval of final grantees
    g. PCIEERD Governing Council confirmation of final grantees
    h. Announcement of the grantees to be done by PCIEERD HRIDD

Other Factors
The PCIEERD Management Team, based on the rankings and preliminary recommendation of the PCIEERD-HRIDD evaluation team and Technical Panel, will make final funding decisions. In making the final funding decisions, the Approving Authorities may also consider programmatic priorities and geographic diversity of grants.
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Contact

DOST-PCIEERD Project Managers are available to provide appropriate assistance to potential applicants interested in competing for this Call for Proposals. This may include assistance to potential applicants in determining eligibility of the applicant or the applicant's proposed project for funding, questions about administrative issues relating to the submission of a proposal, and clarifications on the announcement.

Contacts:
Human Resources and Institution Development Division (HRIDD)

PCIEERD YIP – pcieerdyip@gmail.com
Dr. Ruby Raterta – ruby.raterta@pcieerd.dost.gov.ph
Ms. Glenda Dorcas T. Sacbibit - gtsacbibit@pcieerd.dost.gov.ph
Ms. Marie Christie B. Santos – mbsantos@pcieerd.dost.gov.ph
Ms. Ederlyn L. Rogelio – ederlyn.rogelio@pcieerd.dost.gov.ph
Ms. Annaliza Monterey - armonterey@pcieerd.dost.gov.ph

Additional information

The mentor should serve as the Project Leader and will register in the DPMIS and input the proposal together with the necessary documentary requirements.

List any supporting documents you will provide

All proposals together with the following documentary requirements should be submitted in the DPMIS by the mentor on or before the set deadline:

1. Letter of Intent
2. Endorsement of the agency head
3. Gender and Development (GAD) Score
4. Scientific Basis/Theoretical Framework
5. DOST Form 2 – Detailed Project Proposal for Basic and Applied Research
6. DOST Form 4 – Project Line-Item-Budget
7. DOST Form 5 – Workplan
8. DOST Form 11 – List of Personnel Involved
9. YIP Application Form
10. Curriculum Vitae of Students and Mentor

List any related content links

YIP Guidelines - https://bit.ly/YIPGuidelines
DOST GIA Guidelines - https://bit.ly/DOSTGIAGuidelines
DPMIS - https://dpmis.dost.gov.ph/
DOST Templates and Forms - https://bit.ly/YIPApplicationForms
DPMIS Tutorial Video: https://bit.ly/DPMISTutorialVideo
PCIEERD YIP Research Tips: https://bit.ly/YIPResearchTips
PCIEERD Sectoral Priority Areas Roadmaps: https://pcieerd.dost.gov.ph/library/road-maps