

Funding Opportunity Title

CALL FOR PROPOSALS FOR THE PCIEERD CAPABILITY DEVELOPMENT PROGRAM - FOR 2023 FUNDING

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	January 23, 2023	8:00 A.M.
Closing date	February 22, 2023	5:00 P.M.
Evaluation Period	40 Working Days – IDP, RRI, GODDESS, EXPERTISE, BLOCKCHAIN PROGRAM	
Start of projects	June 1, 2023 (IDP/RRI/GODDESS & EXPERTISE, BLOCKCHAIN PROGRAM)	

Overview

With the aim of complementing the human resources and institution needs and requirements of the industry, energy, and emerging technology research and development sectors, making the opportunity available, PCIEERD implements the Capability Development Program (CapDev) with the following components:

- a. The **Institution Development Program (IDP)** aims to provide funding support for establishing or upgrading the research laboratories and facilities of academic and research institutions within the PCIEERD sectoral priority areas or the Harmonized National R&D Agenda (HNRDA) where there is inadequacy of research expertise and/or facilities. The IDP shall include upgrading or setting-up of research laboratories, purchase of laboratory equipment (including highly specialized software)/facilities, and small research grants aimed at developing research capabilities. The renovation of buildings/facilities or space would be the counterpart of the institution. Funds are allocated for four (4) projects/centers with funding support amounting to P 20,000,000.00 with a maximum grant of P 5M per project.
- b. The **Regional Research Institution (RRI)** aims to develop the research capabilities of the PCIEERD Regional Consortium member institutions and eventually increase the available Researchers, Scientists, and Engineers (RSEs) in the region. This funding opportunity encourages **new researchers and/or new institutions** from Higher Education Institutes (HEIs), government Research and Development Institutes (RDIs), non-profit S&T networks and organizations, the private sector, and other proponents seeking funding for their R&D initiatives. There are ten (10) slots available for this program amounting to P 10,000,000 with a maximum grant of P 1M per project.
- c. The **Good Governance through Data Science and Decision Support Systems (GODDESS)** aims to provide assistance for the development of appropriate systems and technologies to address the specific needs of the National Government Agencies (NGA), Local Government Units (LGU), academic or research institutions and Micro, Small and Medium Enterprises (MSMEs) and enable them to adapt data driven governance and evidence-based management. There are ten (10) slots available on this program amounting to P 10,000,000.00 with a maximum grant of P 1M per project.
- d. **Expert Intervention for Scientific Engagement (ExpertISE) for Regional Consortia** – This is open to researchers of the PCIEERD Regional Consortia. The funds is intended for an engagement with an industry partner in their regions for the identification of potential niche or project scoping, industry gaps and challenges, and the development of a project that addresses the identified gaps and challenges that can be submitted to PCIEERD or DOST for funding. All institution members of the PCIEERD Regional 16 Consortia can submit proposals. There are ten (10) slots for funding this year under this program amounting to P 5,000,000 with a maximum grant of P 500,000.00 per engagement.
- e. **Blockchain Program** – aims to provide assistance for the development of appropriate blockchain applications or systems to address specific needs of the DOST and its attached agencies which includes the DOST Central Office, R&D Institutes (ASTI, FNRI, FPRDI, ITDI, MIRDC, PTRI), DOST Councils (PCAARRD, PCHRD, PCIEERD), S&T

Service Institutes (PHIVOLCS, PSHS, SEI, STII, TAPI), Collegial and Scientific Bodies (NRCP), and the Regional Offices (I, II, IV-A, IV-B, V, VI, VII, IX, XI, XII, XIII, CAR, NCR). This will also enable them to provide solutions for the improvement of their services and processes. There are ten (10) slots available on this program amounting to P 20,000,000.00 with a maximum grant of P 2M per project.

Opportunity summary

The Full-Blown Proposal for RRI, GODDESS, and Blockchain Program should fall under the category of **Research and Development Project** while proposals for IDP and ExpertISE should fall under **Non-Research and Development Project**.

This funding opportunity encourages the a) development of research capabilities of the academic and research institutions through the development and/or upgrading of its research laboratories and facilities; (b) graduate students, researchers, faculty, personnel and practitioners in the data science and analytics field for the development of systems and technologies to aid in decision making process; c) new researchers and/or new institutions from PCIEERD regional consortia institution members for the development of research projects to address the needs and priorities of the region; and (d) researchers, practitioners in the blockchain technology for the development of appropriate systems

The Council shall provide funding support for the following:

- a. Institution Development Program (IDP) for establishment of research facilities/laboratories
- b. Regional Research Institution (RRI) for new researchers and new institution members of the consortia
- c. Good Governance through Data Science and Decision Support Systems (GODDESS) for LGU, NGA, academic institutions and MSMEs
- d. Experts Intervention for Scientific Engagement for Regional Consortia (ExpertISE) in collaboration with the existing industries based on priorities of the region which is within the PCIEERD priority sectors.
- e. Blockchain Program for DOST, its attached agencies and regional offices.

Who can apply

- a. **IDP** – This is open to public and private academic and research institutions. **Preference is given to PCIEERD Consortia member institutions from the following priority regions:**
 - Region I
 - Region II
 - Region IV-B
 - Region VIII
 - Region IX
 - Region X

- Region XI
- Region XII
- Region XIII
- BARMM
- CAR

However, this should not preclude other Consortium members from submitting an application. Applications should be endorsed by PCIEERD Consortia. For non-PCIEERD Consortia member, a letter of intent addressed to the PCIEERD Consortium Chair should be submitted as part of the application.

- b. **RRI** – This is open to all researchers from PCIEERD Consortium member institutions and other potential researchers/institutions who may wish to be part of the regional consortia. Preference is given to new researchers and/or new institutions, from the PCIEERD Consortia member institutions in the following regions:

PCIEERD Regional Research Institution:

1. CAR - Cordillera Industry, Energy and Emerging Technology Research and Development Consortium (CIEERDEC)
2. Region 1 - Ilocos Consortium for Industry, Energy and Emerging Technology Research and Development (ICIEERD)
3. Region 2 - Cagayan Valley Industry, Energy and Emerging Technology Research and Development Consortium (CVIEERDEC)
4. Region 3 - Central Luzon Consortium for Industry and Energy Research and Development (CLIERDEC)
5. NCR - Metropolitan Manila Industry, Energy and Emerging Technology Research and Development Consortium (MMIEERDEC)
6. Region 4A - Southern Tagalog Consortium for Industry and Energy Research and Development (STCIERD)
7. Region 4B - Southern Tagalog Islands Research and Development Consortium (STIRDC)
8. Region 5 - Bicol Consortium for Industry, Energy and Emerging Technology Research and Development (BCIEERD)
9. Region 6 - Western Visayas Consortium for Industry, Energy and Emerging Technology Research and Development (WVCIEERD)
10. Region 7 - Central Visayas Consortium for Industry, Energy and Emerging Technology Research and Development (CVCIEERD)
11. Region 8 - Eastern Visayas Consortium for Industry, Energy and Emerging Technology Research and Development (EVCIEERD)
12. Region 9 - Zamboanga Industry, Energy and Emerging Technology Research and Development Consortium (ZIEERDC)
13. Region 10 - Northern Mindanao Consortium for Industry, Energy and Emerging Technology Research and Development (NorMinCIEERD)
14. Region 11 - Davao Region Industry, Energy and Emerging Technology Research and Development Consortium (DRIEERDC)

15. Region 12 - Cotabato Region Industry, Energy and Emerging Technology Research and Development Consortium (CRIERDEC) 16. Region 13 - Eastern Mindanao Industry, Energy and Emerging Technology Research Alliance for Development (EMIEERALD)
c. GODDESS – This is open to learners, students and graduates of the DOST-funded SPARTA project and other academic or training institutions, as well as graduate students, researchers, faculty, personnel and practitioners in Data Science and Analytics (DSA) who will conduct projects that will immediately address the needs of their respective academic and research institutions or an identified partner from a LGU, NGA or MSME, who is committed to provide data and utilize the systems and technologies developed.
d. ExpertISE - This is open to researchers of the PCIEERD Regional Consortia to engage with an industry partner in the respective region for the identification of potential niche or project scoping, industry gaps and challenges and the development of project/proposal to address these identified gaps and challenges. The researchers must possess qualifications/field of expertise aligned with the identified industry partner in the region.
e. BLOCKCHAIN PROGRAM - This is open to DOST personnel who completed the PCIEERD Blockchain Training conducted last May to October 2022 and will conduct projects that will immediately address the needs of their respective institution and provide solutions for the improvement of its services and processes in their Agency. The proposal can be submitted individually or as a team with a maximum of three (3) members.

What we're looking for

The proposals/applications should cover the following: a. IDP – The establishment of research facilities/laboratories of academic and research institutions that are already members and those who intend to become members of the PCIEERD Regional Consortia. b. RRI – The development of research projects to address the needs and priorities of the region and aligned with the PCIEERD R&D priority areas mentioned under this call. Regions with ongoing RRI projects should focus on other priority areas of the region included in this call. c. GODDESS – The development of technologies or systems that include descriptive, diagnostic, predictive and prescriptive analytics using the data available (current and existing) coming from and provided by the institution or cooperating partner, which maybe NGA, LGU or MSME, to provide solutions in any of, but not limited to, the following areas:

- Urban mobility (smart parking system, integrated multimode transport system, construction, and congestion site monitoring, accident reporting, road maintenance modeling)
- Energy management (energy analytics, smart meters and management, renewable sources of energy, energy efficiency and green buildings)
- E-governance and Citizen Services (legal and legislative, financial and auditing, public health, public safety, child protection and education, revenue, and labor, judiciary and statistics)
- Waste management (waste to energy & fuel, waste to compost, treatment of Construction & Demolition (C&D) waste, ecosystem analysis)
- Water Management (smart meters & management, leakage identification & preventive maintenance)
- Smart systems (Hyperintelligence, enterprise analytics, demand-supply analytics, econometric forecasting)
- Other thematic areas identified that may be identified by the institution or cooperating partner LGUs or NGAs or MSMEs based on their needs and priorities.

d. ExpertISE - The engagement of researchers with existing industries in the region based on regional priorities and within the PCIEERD priority sectors, for the identification of potential niche, industry gaps and challenges and the development of projects to address these identified gaps and challenges.

e. BLOCKCHAIN PROGRAM - The development of technologies or systems using the blockchain technology that will immediately address the needs of their respective institution and provide solutions for the improvement of its services and processes.

How to apply

- Applications/proposals using the prescribed format (DOST Forms 2 & 3) must be submitted in the e-proposal portal at <http://dpmis.dost.gov.ph> from **23 January - 22 February 2023**. Documentary requirements must also be uploaded in the said portal. A notification will be issued to eligible entities whose applications/proposals have been evaluated and preliminarily recommended for the award.
- A DOST-PCIEERD Project Manager will be assigned to each project proponent to provide guidance in the review/evaluation of the application/proposals. A notification will be issued to eligible entities whose applications/proposals have been evaluated and recommended for funding.

Proposal and Submission Information

- Proposal Format – applicants shall follow the **DOST GIA Proposal – R&D Format** for RRI, GODDESS, and BLOCKCHAIN programs and **Non-R&D Format** for IDP and EXPERTISE programs. This will be accomplished in the e-Proposal portal at

<https://dpmis.dost.gov.ph>. Instructions for submission are also available on this site.

- Project Title – refers to the Title of the research project being applied for, as identified in Section A of this announcement.
- Project Leader – refers to proponent/project leader of the implementing agency
- Agency – the Department/College/institution/organization of the proponent/Project Leader.
- Address/Telephone/Fax/Email – contact information of the proponent/project leader
- Cooperating Agency/ies – refers to the following:

IDP: Partner HEIs or SUCs, R&D institution if applicable

RRI: Academic/Research Institutions, LGUs, NGAs or MSMEs, or Industry

GODDESS: Academic/Research Institutions, LGUs, NGAs or MSMEs

EXPERTISE: Industry Partner

BLOCKCHAIN PROGRAM: DOST and its attached agencies

- Site/s of Implementation – location/s or venue where the activity will be conducted. Indicate municipality, district, province, and region.
- Project Duration – refers to the duration and date of the activity or project being proposed.
 - **IDP:** maximum of 2 years (24 months)
 - **RRI/GODDESS/BLOCKCHAIN:** maximum of 1 year (12 months)
 - **ExpertISE:** maximum of 6 months
- Total Project Cost – refers to the total proposed budget being requested.

IDP (Maximum grant of Php 5M)

- List down the equipment being proposed, may include highly specialized Software
- Other MOOE needed for the research, maximum of 20% of the total project cost.
- Personnel Services should be the counterpart of the implementing agency.
- Counterpart of at least 15% (for SUCs) and 20% (HEIs)

RRI (Maximum grant of Php1M)

- Salary and/or Honorarium for project staff
- Travel Expenses

- Communication Expenses
- Supplies and Materials Expenses
- Subscription Expenses
- Professional Services
- Other expense items under NGAS deemed necessary for the implementation of the project
- Equipment, as needed and should be supported with justifications
- Counterpart of at least 15% (for SUCs and other Government institutions) and 20% (HEIs and other private institutions)

GODDESS (Maximum grant of PhP1M)

- Honoraria for the project team
- Communication expenses
- Subscription expenses
- Other expense items under NGAS deemed necessary for the implementation of the project
- Other Professional Services
- Equipment, as needed
- Counterpart of at least 15% (for SUCs and other Government institutions) and 20% (HEIs and other private institutions)

ExperTISE (Maximum of P 500,000.00)

- Honoraria for the project team
- Travel Expense
- Communication expenses
- Supplies expenses
- Representations expenses
- Other expense items under NGAS deemed necessary for the implementation of the project
- Counterpart of at least 15% (for SUCs and other Government institutions) and 20% (HEIs and other private institutions)

BLOCKCHAIN PROGRAM (Maximum grant of PhP2M)

- Honorarium for project staff
- Travel Expenses
- Communication Expenses
- Supplies and Materials Expenses
- Subscription Expenses
- Professional Services
- Other expense items under NGAS deemed necessary for the implementation of the project
- Equipment, as needed
- Counterpart of at least 15% (for SUCs and other government institutions)

Documents to be Submitted

- Letter of Intent/Request and Endorsement

Together with the application/proposal, DOST-PCIEERD requires submission of a formal letter of intent/request from the applicant and an endorsement from the authorized head of organization. The authorized head of the organization will also be a principal signatory of their organization for the contract of award. The letter of Intent/Request and Endorsement Letter should be addressed to:

DR. ENRICO C. PARINGIT

Executive Director, PCIEERD-DOST
5th Level, Science Heritage Building, DOST Compound,
Gen. Santos Ave., Bicutan, Taguig City

- Endorsement from Head of Agency and/or University, preferably President, enrolled in
- Additional documents per component (Select Supplementary Files)

IDP

- Detailed research proposal with plan of activities and budgetary requirements (Line-Item-Budget)
- Endorsement Letter by the Consortium where the Institution belongs
- Letter of Commitment signed by the target partner NGA/LGU/MSMEs, if any
- Five-year R&D agenda/ strategic plan or equivalent document showing the laboratory's sustainability
- List of ongoing/ completed projects in the last 5 years
- Line up of research proposed to be undertaken in the facility
- List of existing faculty/ laboratory personnel and their specialization.
- Curriculum Vitae (CV) of the project leader with contact details
- Others: equipment quotations and sample photo/s of the equipment to be purchased
- Others: photo/s of the location and lay-out or floor plan of the proposed laboratory

RRI

- Detailed proposal with plan of activities and budgetary requirements (Line-Item-Budget)
- Endorsement Letter from the head of implementing agency
- Endorsement Letter approved by the Consortium where the Institution belongs
- Letter of Commitment approved and signed by the target partner agency/ies
- Curriculum Vitae (CV) with contact details and picture
- List of ongoing/completed projects implemented in the last 5 years

GODDESS

- Detailed proposal with plan of activities and budgetary requirements (Line-Item-Budget)
- Endorsement Letter from the head of implementing agency

- Letter of Commitment approved and signed by the target adaptor (NGA/LGU/MSMEs or Academic/Research Institution)
- Curriculum Vitae (CV) with contact details and picture
- List of ongoing/completed projects implemented in the last 5 years

ExperTISE

- Detailed proposal with plan of activities and budgetary requirements (Line-Item-Budget)
- Endorsement Letter from the head of implementing agency
- Endorsement Letter approved by the Consortium where the Institution belongs
- Letter of Commitment approved and signed by the target partner agency/ies
- Curriculum Vitae (CV) with contact details and picture
- List of ongoing/completed projects implemented in the last 5 years

BLOCKCHAIN PROGRAM

- Detailed proposal with plan of activities and budgetary requirements (Line-Item-Budget)
- Endorsement Letter from the head of implementing agency
- Curriculum Vitae (CV) with contact details and picture
- Proof of completion of the training and workshop provided by PCIEERD
- List of ongoing/completed projects implemented in the last 5 years

Applicants are required to submit proposals through the DOST **e-Proposals portal** at <https://dpmis.dost.gov.ph>, before the Closing Date on **22 February 2023**. Applicants will receive automatic replies through email confirming receipt of proposals. Please be informed that DOST-PCIEERD will not accept proposals directly submitted to PCIEERD in hard or soft copy.

How we will assess your application

A. Review and Selection Process

Only applications/proposals from Eligible Entities that meet all of the Eligibility/ Qualification Requirements as stipulated in the PCIEERD Administrative Order No. 2016-028 s. 2016 “PCIEERD Guidelines in the Implementation of the Infrastructure Development Program,” PCIEERD Administrative Order No. 2021-005 “Revised Guidelines on the Implementation of the Good Governance through Data Science and Decision Support System (GODDESS) Program” and DOST Administrative Order No. 011 “Revised Guidelines for the Grants-in-aid Program of Department of Science and Technology and its Agencies.” Applicants found ineligible for funding consideration as a result of the threshold eligibility review will be notified within 15 calendar days of the ineligibility determination.

All applications/proposals will be screened and evaluated by the HRIDD. Only those qualified will be endorsed to the PCIEERD Management Team for final recommendation/approval.

B. Alignment to PCIEERD Priority Areas

For IDP, RRI, GODDESS and EXPERTISE proposals must be aligned with the following PCIEERD priority areas:

1. 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

2. 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

3. 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

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:

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Ms Sheila Omban

SRS I – Blockchain Program

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Additional information

PCIEERD Administrative Order No. 2016-028 s. 2016 “PCIEERD Guidelines in the Implementation of the Infrastructure Development Program,”

PCIEERD Administrative Order No. 2021-005 “Revised Guidelines on the Implementation of the Good Governance through Data Science and Decision Support System (GODDESS) Program”

DOST Administrative Order No. 011, Series of 2020, "Revised Guidelines for the Grants-in-Aid Funds of the Department of Science and Technology and its Agencies"

List any supporting documents you will provide

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List any related content links

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