Confidential

Green Technologies for Excellence (GteX) Program

(Innovative elemental technology research Type)  
　FY2023 R&D Proposal (Form 1)

|  |  |
| --- | --- |
| R&D Areas and R&D Themes | Please indicate the area(s) for which you are applying and the relevant R&D theme(s).  Area：Storage Batteres/Hydrogen/Biomanufacturing  R&D theme: "Development of \_\_\_\_". |
| Project Title  About 100 characters |  |
| R&D Period | From MM/2023 – 03/2024 |
| Amount of R&D Budget  (Direct Costs) | Total R&D costs for the first year ( million JPY) \*Maximum 10 million JPY |
|  |  |
| Name of Principal Investigator |  |
| Affiliation (title, department/division, institution) |  |
| Effort for this proposal | Current year: ○％ |
| Conflict of Interests with the Program Officer  \*Please mark yes/no | I have a conflict of interest with the Program Officer.　　 Yes 　 No  *\*For details, please refer to "2.5.3 Conflict of Interest Management" in the Application Guidelines.*  *If you have a conflict of interest, please provide specific details in (Form 2) "3. Others* |
| The R&D proposer's  conflict of interest  *\**Please mark yes/no | The participation of "institutions related to the R&D proposer" is　 Yes 　 No  *\*For details, please refer to "2.5.3 Implementation of Conflict of Interest Management" in the Application Guidelines.*  *If there is any participation such institution, please provide specific details in (Form 2) "3. Others".* |
| Researcher No. | XXXXXXXXXX  *Enter the 8-digit researcher number assigned by the e-Rad system.* |
| Principal Investigator  Information on | URL:  Author ID:  *If you have a website (laboratory website, researchmap page, etc.) that contains information on the team leader (principal investigator), please provide the URL. If you hold ORCID iD, Web of Science ResearcherID, author ID of Scopus, please provide them.* |

Overall Concept of the R&D Proposal (Form 2)

\*Please be sure to read and thoroughly understand the contents of "2.6 Selection Viewpoints" in Chapter 2 of the Application Guidelines and the contents of the research and development sought by each area and the goals to be achieved as described in Chapter 6 of the Application Guidelines (Appendix).

# Summary of Research and Development Proposals

\*Please provide a brief summary of the research and development proposal (outline and goals of the technology to be developed) in less than 1,000 characters.

\*The R&D period is until March, 2024, but please describe the R&D contents for about 5 years, assuming the development of the R&D is incorporated into a team-based research.

\*Please copy & paste your description in this item into the "Research Summary" of e-Rad "Basic Information.”

aaaaaa

# Details of the R&D Proposal

## (1) Goals of the research and development

*\*Please also include how this research and development will contribute to the achievement of the goals of the R&D area and the proposed theme.*

*\*Please summarize your description in this item separately and briefly, and enter it in "Research Purpose" of e-Rad "Basic Information" in less than 1,000 characters.*

## (2) Details and schedule of R&D

*\*Please describe specific details of your R&D plan, including R&D schedule and budget plan for R&D costs up to March, 2024.*

## (3) Advantages and innovation of the R&D

\*Please include originality, advantages, challenge, and achievability (e.g., technical bottlenecks in the achievement goal and their degree of difficulty) of the proposed R&D.

## (4) Schematic diagram of the R&D system (include joint researchers, if any)

\*If there are collaborating researchers, please briefly illustrate the R&D structure. Please make sure that the appropriate division of roles to achieve the goals is evident.

... Form 2 should not exceed 4 pages including figures and tables up to this point.

# 3. Others

\*IPlease describe the current status of preparation and consideration of support measures and systems for the proposed R&D project in your R&D organization.

\*If you have any conflicts of interest with the Program Officer, please describe them in detail. Also, if there are any conflicts of interest between the team leader and organizations participating in this proposal, please describe the relationship in detail. For definitions of conflicts of interest and conflicts of interest, please refer to "2.5.3 Conflict of Interest Management" in Chapter 2 of the Application Guidelines.

R&D Applicant (Form 3)

#### Basic Information of the Principal Investigator

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** |  | | |
| **Nationality / Gender** |  | **Date of birth**  **(DD/MM/YYYY)** |  |
| **Institution / Position** |  | |  |
| **Academic background**  **(Since graduation from college)** | Academic Background:  Example:  19XX BE in Chemical Engineering, Department of Engineering, University of AA  19XX ME in Graduate School of Engineering, University of BB  20XX Ph.D in Physics, Graduate School of Physical Sciences, University of BB | | |
| **R&D History**  **(Main career and  research interests)** | Employment History:  Example:  20XX – 20XX R&D Division, XYZ Coorporation (Developed Y techlonogy)  20XX - 20XX Specially Appointed Associate Professor at ABC University (Engaged in research related to material Z)  20XX - 20XX Department of Renewable Energy Business, LMN Corporation (in charge of hydrogen business), | | |
| **Other activities to mention** | (If there are any special notes related to this project, such as social contribution activities, international activities, etc., please enter them in the space provided.) | | |

#### List of Applicant's Achievements

Please list up to 20 major publications related to the proposed R&D project, in chronological order, from present to the last year of publication.

Please refer to the example below for the information to be provided. (For publications, please follow the example below.)

The order of the information is not designated.

For preprints, please specify by putting “(preprint)” after the year of presentation.

Subsidies and fundings from other programs (Form 4)

For each research project, please provide the name of the funding system or R&D fund, the name of the research project, the title of the research project, the research period, the role, the amount of R&D budget received by the principal investigator, and the affiliation and position of the Principal Investigator and principal co-investigators (if any). Please also refer to "4.2 Measures Against Unreasonable Duplication and Excessive Concentration" in Chapter 4 of the Application Guidelines.

(\*) In the application process, Based on the "Integrated Innovation Strategy 2020," which stipulates that "information disclosure on the status of foreign funding is a requirement when applying for research funds," we have clarified that the form "Subsidies and funding from other programs" must also include information on research funds from overseas. Please describe all research funds, whether domestic or foreign, including competitive funds, grants from private foundations, and research and development funds commissioned by companies or joint research and development funds.

\*If the information provided is untrue, the application may be cancelled at a later date, even if it has been accepted.

\*If any of the information on this form changes during the selection process, please contact us by e-mail at the address listed at the end of this document with the corrected version of this form.

\*If you are selected for an interview, you may be asked to submit an application or plan for another program.

#### *Example:*

#### Principal Investigator: Name

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of funding system**  **or**  **Name of R&D funds (name of allocating organization)** | **Status of receiving funds** | **Title of project**  **(Name of the representative)** | **Research**  **Period** | **Role**  **(PI/**  **Co-PI)** | **(1)R&D expenses received by him/herself (for entire R&D period)**  **(2) Scheduled amount for FY 2024**  **(3) Scheduled amount for FY 2025**  **(4)Amouont received in FY 2022** | **Effort**  **(%)** | **Job title and the affiliated instiution** |
| Green Technologies for Excellence (GteX) Program (this proposal) | Under application |  |  | PI |  |  |  |
| Grants-in-Aid for Scientific Research and Development  Fundamental Research (S) | Currently funded | Creation of ◇◇ by ××  (○○○○) | Apr. 2020  -  Mar. 2025 | PI | (1) 100,000 thousand yen  (2) 50,000 thousand yen  (3) 25,000 thousand yen  (4) 5,000 thousand yen | 20 |  |
| Joint research and development expenses  (XX Corporation) | Currently funded | ××Analysis of ◇◇ by xx  (○○○○) | Oct.2022  -  Sep. 2024 | PI | (1) 20,000 thousand yen  (2) 7,000 thousand yen  (3) 8,000 thousand yen  (4) 5,000 thousand yen | 10 |  |
| JST Strategic Basic Research Program  CREST | Under application | ××High functionality of ◇◇ by xx  (○○○○) | Oct. 2023  -  Mar. 2027 | Co-PI | (1) 140,000 thousand yen  (2) 35,000 thousand yen  (3) 8,000 thousand yen  (4) none |  |  |

-Please list the grants you are currently receiving or will receive in descending order of the amount of R&D budget allocated to you (for the entire period). Then, list the grants you are applying for or plan to apply for.

-If you are currently receiving or have been approved for a subsidy, enter "currently funded"; if you are applying or will apply for a subsidy, enter "under application”.

-In the "Name of Funding System" or "Name of R&D Funds," if it is not a domestic competitive R&D fund, please also provide the name of the organization allocating the funds.

-Please indicate the role in the project (PI or Co-PI).

-Please enter the amount (direct cost) you are receiving in the "R&D expenses received by him/herself" column.

-Please enter the percentage (%) of the total annual work time (including not only time for research activities but also educational and medical activities, etc.) allocated for the implementation of the relevant research (as defined by the Council for Science, Technology and Innovation.) Please do not enter the eforts of grants you are applying for or will apply for, but enter the eforts of grants you are receiving or will receive, assuming that you are selected only for GteX (Innovative elemental technology research Type). Please make sure that the total of the effort for GteX (Innovative elemental technology research Type) and the effort for subsidies, etc. you are currently receiving does not exceed 100%.

-Please indicate your affiliation and position in applying for or receiving the research proposal.

-Add or delete rows as necessary.

Example:

#### Principal Co-Investigator a: Name

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of funding system**  **or**  **Name of R&D funds (name of allocating organization)** | **Status of receiving funds** | **Title of project**  **(Name of the representative)** | **Research**  **Period** | **Role**  **(PI/**  **Co-PI)** | **(1)R&D expenses received by him/herself (for entire R&D period)**  **(2) Scheduled amount for FY 2024**  **(3) Scheduled amount for FY 2025**  **(4)Amouont received in FY 2022** | **Effort**  **(%)** | **Job title and the affiliated instiution** |
| Green Technologies for Excellence (GteX) Program (this proposal) | Under application |  |  | Co-PI |  |  |  |
| Health, Labour and Welfare Science  Research and Development Fund | Currently funded | ××x Practical research on development  Practical research on xx development  (○○○○) | Apr. 2020  -  Mar. 2024 | PI | (1) 50,000 thousand yen  (2) 0 thousand yen  (3) 20,000 thousand yen  (4) 5,000 thousand yen | 10 |  |
|  |  |  |  |  | (1) Thousands of yen  (2) Thousands of yen  (3) none  (4) none |  |  |
|  |  |  |  |  |  |  |  |