# Application Forms for 2025 Moonshot R&D Projects Goal 10 Proposal

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| **\*Please delete this note when preparing proposals.**  Failure to comply with the following items may result in rejection of the research proposal.  Do not change formatting, style settings, or line spacing for all forms.  The font size of the text of all forms should be 10.5 point or larger (strictly adhered to).  Please remove this note and the guide in blue from your submission.  Proposals uploaded to e-Rad that have deficiencies that make review difficult will be rejected. The term "deficiencies that make review difficult" refers to omissions in the proposal forms, garbled text that makes peer review difficult, and serious omissions of items in the proposal form. JST will not be responsible for any deficiencies in the proposal that occur before the call deadline, regardless of whether the proposal is accepted or rejected. Therefore, please be advised that JST will not make any corrections to the proposal or request corrections from the proposer after confirming with the proposer in advance before the call deadline. Proposals cannot be withdrawn from e-Rad after the call deadline.  If any discrepancy is found between the e-Rad input information and the information in the proposal, the information in the proposal will be treated as correct. |

**[Form 1] Basics**

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| **1. Title of the R&D project** |
| Please provide the name of the proposed R&D project. |
| **2 . Keywords** |
| Please select the keyword closest to your proposal by referring to Appendix2 "R&D concept (Moonshot Goal 10)" and Appendix3 "PD’s Policy (Moonshot Goal 10)" of the application guidelines.  ☐ ”Innovative Fusion Methods” ☐ “Innovative Materials” ☐ “Innovative Systems” ☐ “Others” |
| **3 ．Information on the Proposer (PM)** |
| Name: |
| Institution, department, and position:  Please do not abbreviate "Graduate School of 00", "Specially Appointed Associate Professor", etc. Please be careful not to omit "Graduate School". |
| e-Rad Researcher Number: Enter the 8-digit researcher number assigned by the e-Rad system. |
| URL with the proposer's information: (lab website, researchmap, etc.)  Article database (ORCID, Web of Science, SCOPUS, etc.) Author ID: |
| **4 ．Education and employment history of the proposer** |
| Education (since college)  (Example.)  Year: Graduated from xx University, Department of xx  Year: Graduated from xx School of xx, Department of xx, majored xx  Year: Graduated from xx School of xx, Department of xx, majored xx  Year: Ph.D. of xx (xx University)  Employment history  (Example.)  Year – year: xx Company, xx Department (developed xx)  Year - year: Project Associate Professor, xx University (involved in the study of xx)  Year – year: xx Company, xx Department (in charge of xx project) |
| **5 ．Research and Development Project Summary (225 words)** |
| Please provide a brief summary of the goals and implementation details of this proposal in [400 characters] or less.  Figures and tables are not allowed. |
| **6 ．Desired R&D Costs (total of 4 years)** |
| ◯◯◯(Unit: JP Yen)（Including indirect costs）  Please make sure the amount matches that on Form 4. |
| **7 ．Proposer's Effort to Manage the R&D Project** |
| Percentage of total work time spent on management activities for the proposed R&D project　　　◯◯ % of total work time  Please indicate the percentage of time spent on R&D activities when the PM also participates as a proposal proponent on the separate sheet of the form. |
| **8 . leader’s institutions and their coordination status** |
| If the proposer is selected as a PM as described in Section 3.6.2 in the main text of the application guidelines, the PM's employing agency will be asked to support the PM activities as "leader’s institutions". Please provide the name of the candidate representative organization and the status of the agreement to accept the representative organization. If not yet coordinated, the representative organization must be agreed upon by the end of the post-adoption build-up.  Candidate for the leader’s institutions: (example) xx University (or, xx Corporation)  The status of agreement with the candidate for leader’s institution:  Done, ☐ Being arranged, ☐ Not arranged (please select one)  (If you selected “Done”) Post and name of the person responsible for the institution with whom you have made an agreement: (example) Dean/President |
| **9 . Information on the candidate for the major performer** |
| Please enter the name, organization, and post of the major performer (the person who will perform the assigned R&D activities in the R&D project under the direction of the PM) in this column.  In addition, please fill in the details of all performer candidates, including the major ones, on the “Performer candidate information (PI) sheet” attached to the form. If there are no essential performers, please write “None in particular.”  (Example.)  Candidate for Major Performer 1: Science Taro (affiliation / post)  Candidate for Major Performer 2: Hanako Kagaku (affiliation / post)  Candidate for Major Performer 3: Science Saburo (affiliation/ post) |

**[Form 2] The scenario to achieve the Moonshot Goal**

\*Please describe within 4 pages in Form 2.

\*Please use diagrams and charts (color is acceptable) as necessary to make it easier for the evaluators to understand.

\*Please be sure to check the Appendix2 “R&D concept (Moonshot Goal 10)” and the Appendix3 “PD’s policy (Moonshot Goal 10)”.

**1. Scenarios from the present time to the achievement of the MS Goal in 2050**

Please explain the scenarios of this proposal, from the present time to the achievement of the MS Goal in 2050, including the direction of aiming for “innovative societal implementation” by multifaceted utilization of fusion energy, specify the “issues to be overcome” or “elemental technologies” that will be the greatest hurdles in the path toward realization, and establish specific challenge targets. Please explain them, mentioning target years as necessary.

In formulating the scenario, it is important to clearly demonstrate, as a road map, what routes will be opened to the societal implementation of an innovative fusion energy system by overcoming these challenge targets.

When giving this explanation, please reference the length of time you expect it will take to achieve the MS Goal, and the impact it will have on industry and society if the MS Goal is fulfilled.

(1) Scenarios(s) form the start of the R&D to 9 years

Please summarize the details of the R&D project in [From 3] “3. Details of the proposed R&D project and R&D implementation system.”

(2) Scenarios(s) from 9 years later to 2050

Please explain the scenarios from “9 years after the start of the R&D (when the project terminates)” to the achievement of the MS goal. If necessary, please describe the envisioned realization in 2050.

Also, describe how you will advance societal implementation led by the private sector using the results obtained from this project.

**2. The issues to be overcome or elemental technologies necessary to reach the MS Goal in 2050, past research, and approaches to resolve them**

State the “issues to be overcome” or “elemental technologies” that you think need to be resolved to achieve the 2050 MS Goal. You should also provide “past research” on these, then describe your approach to the “resolution methods provided by this proposal” dividing this into scientific/technological issues and social issues that could become a barrier to realization or popularization, such as public acceptance, regulations, and social economy. In this section, please describe the issues that can be considered within a span of about 30 years—from now to 2050. Please describe the major issues, past research, and solutions to these issues through this proposal in the short period between now and FY2034 in [Form 3].

Please describe the “issues to be overcome” or “elemental technologies” rather than citing numerous problem points, you should pick out the issues that could become major bottlenecks and make lists of these for both scientific/technological issues and social issues.

Supplementary explanations for “past research” and “resolution methods provided by this proposal” should be included in each of the sections below.

(1) Main scientific/technological issues to be overcome

For “past research” please state key initiatives that are being carried out in Japan and overseas to resolve these issues, then explain your reason for thinking that the “issues to be overcome” or “elemental technologies” will be difficult to resolve or innovate through these initiatives and so the 2050 MS Goal will be difficult to achieve. Please note that previous initiatives should be described to serve as an objective review of the field.

For “resolution methods provided by this proposal” please explain your hypothesized resolutions with scientific support. You should write your hypotheses and approaches regarding your resolution methods, why you think this proposal can resolve issues that have been difficult to solve in the past, and other information. Please also describe the validity while comparing the past research and the scenario of the proposal. Please state the references as necessary.

We do not specify any description method, but please ensure that the past research and resolution methods for each issue are comprehensible. For example, you could consider using the following format and separating these into sections.

Issue 1: ○○ has low accuracy, leading to the issue of ●●; it is necessary to improve the efficacy of ○○ from △△ to □□.  
Past research and problems in them: To improve the performance of ○○, △△ must be developed; it is said with the current ●● method, this will require ○○ years and ○○ trillion yen. However...  
Resolution methods provided by this proposal: ...

Validity of the current proposal: ...  
Reference:

Abcd,E., XXXXXXXXX,Journal of XX, pp.x-x, 20XX

Issue 2: ...  
Past research and problems in them: ...  
Resolution methods: ...

Validity of the current proposal: ...

Reference:

Abcd,E., XXXXXXXXX,Journal of XX, pp.x-x, 20XX

(2) Main social issues to be resolved (public acceptance, regulations, social economy, etc.)

For “past research.” please state key initiatives that are being carried out in Japan and overseas to resolve these issues, and how they are connected to this proposal. Please note that previous initiatives should be described to serve as an objective review of the field.

For “resolution methods provided by this proposal,” please explain as necessary your hypothesized resolutions, as well as any connection with past research and the potential for collaboration, etc. You should write your hypotheses and approaches regarding your resolution methods. Please state as necessary the references upon which this is based.

We do not specify any description method, but please ensure that the past research and resolution methods for each issue are comprehensible.

**[Form 3] Proposal for R&D project**

\* Please describe within 7 pages in Form 3.

\* Please use diagrams and charts (color is acceptable) as necessary to make it easier for the evaluators to understand.

\* Please be sure to check the Appendix2 “R&D concept (Moonshot Goal 10)” and the Appendix3 “PD’s policy (Moonshot Goal 10)”.

If selected as a PM, you will be responsible for setting verifiable quantitative goals based on a scenario, such as “milestones in 2nd, 4th, and 9th years from the start of R&D project” and managing the R&D project to achieve them.

Please explain your idea of “milestones” below.

Please use this form to explain the milestones and details of the R&D project to achieve them, based on the scenario described in [Form 2] (hereinafter, “scenario”).

**1. R&D project milestones**

Describe the goals (milestones) to be achieved in 2nd, 4th, and 9th years after the start of the R&D and the reasons for setting the milestones and the methods for verifying and evaluating their achievement for each of the following items. Milestones refer to “verifiable achievement targets that enable quantitative and objective evaluation of the R&D results”. Specifically, please describe overcoming the most core and challenging issues of the R&D project as the milestone for the 2nd year. The challenge and appropriateness of milestones will be discussed during the selection process and, if necessary, revised during the refinement period. Milestones will be handled as indicators for the progress evaluation conducted by the PD after the start of the R&D project.

Milestones do not mean the number of papers or conference reports produced.

(1) Milestones to be achieved in the 9th year after the start of the R&D and reasons for setting them

① Milestone

Based on the "scenario" developed by back casting from the achievement of the Moonshot Goal in 2050, please list the milestone(s) that are verifiable quantitative targets. These milestones should demonstrate that the outcomes (tools) obtained by the 9th year from the start of the research have been transferred to R&D institutions or private companies.

② Reasons for setting the milestone(s)

In particular, please explain why setting this target towards the achievement of the Moonshot Goal in 2050 is reasonable and appropriate, along with its position and necessity within the “scenario”.

③ Methods for verifying and evaluating the achievement status of the milestone(s)

Please describe the methods for objectively verifying and evaluating the achievement status of milestone(s) in the 9th year.

(2) Milestones to be achieved in the 4th year after the start of the R&D and reasons for setting them

① Milestone

Based on the "scenario" developed by back casting from the achievement of the Moonshot Goal in 2050, please list the milestone(s) that are verifiable quantitative targets to be achieved in the 4th year after the start of the R&D.

② Reasons for setting the milestone(s)

In particular, please explain why it is reasonable and appropriate to set the milestone in the 4th year, including the analysis and consideration of the back casting from the 9th year milestone, and the position and inevitability of the milestone in the “scenario”.

③ Methods for verifying and evaluating the achievement status of the milestone(s)

Please describe the methods for objectively verifying and evaluating the achievement status of milestone(s) in the 4th year.

(3) Milestones to be achieved in the 2nd year after the start of the R&D and reasons for setting them

① Milestone

Based on the "scenario" developed by back casting from the achievement of the Moonshot Goal in 2050, please list the milestone(s) that are verifiable quantitative targets to aimed at overcoming the most core and challenging issues of the R&D project.

② Reasons for setting the milestone(s)

In particular, please logically explain how overcoming the most core and challenging issues of the R&D project can validate the appropriateness of the subsequent project advancement. This explanation should include comparisons with the current cutting-edge academic trends based on present analysis and evidence, as well as the position and necessity within the "scenario." Please provide supporting literature or references as needed.

③ Methods for verifying and evaluating the achievement status of the milestone(s)

Please describe the methods for objectively verifying and evaluating the achievement status of milestone(s) in the 2nd year.

**2．Scientific, technological, and social issues to be overcome in the R&D project (R&D items)**

Please list several important scientific, technological, and social issues to be overcome by this R&D project to achieve the milestone in the 9th year from the start of the R&D, and explain them in detail, including quantitative expressions. Present past research to address these issues and explain why it is difficult to solve them with past research. The scientific, technological, and social issues to be overcome described here should be consistent with the R&D items of the proposed R&D project.

In [Form 2], you are asked to describe possible challenges within a span of about 30 years from the present time to 2050. In this section, please describe the major challenges, existing efforts, and measures to solve them through this proposal in a short period of time from the present time to FY2034.

**3．Details of the proposed R&D project and R&D implementation system**

Please explain in as much detail as possible the specifics of the proposed R&D project to achieve the milestones described in “1. R&D project milestones.” Please also provide a diagram of the R&D implementation structure, from the perspective of how the major R&D items will be divided and how the R&D will be promoted. In particular, please provide diagrams illustrating two configurations: the small-scale structure necessary to overcome the most core and challenging issues of the R&D project up to the stage gate at the end of the 2nd year after the start of the research, and the full-scale structure for the commencement of formal research as the project transitions to the next stage upon passing the stage gate.

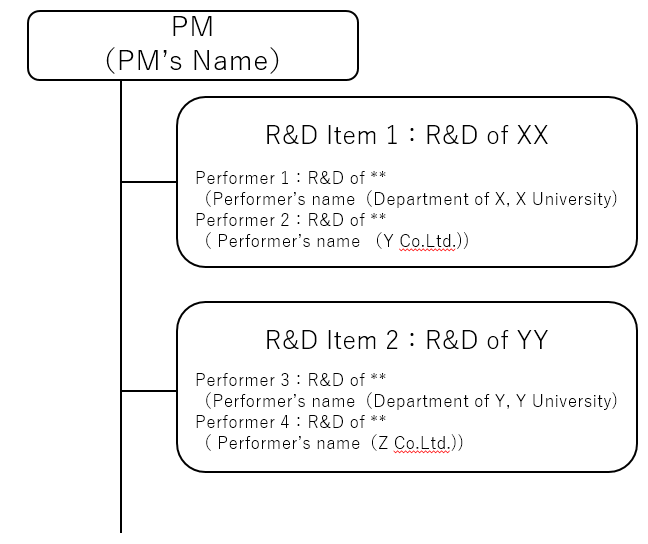
Please explain in a concrete, concise, and clear manner how you plan to achieve the milestones in the 2nd, 4th, and 9th years from the start of the R&D project, after logically presenting the solution measures and hypotheses to solve the issues listed in “２．Scientific, technological, and social issues to be overcome in the R&D project (R&D items).”

Please also include in your explanation that the proposed R&D project is original, ambitious, and based on bold ideas, and that sufficient consideration has been given to hedging risks in the event of issues that are difficult to resolve or overcome.

The budget amount and annual plan for each R&D item should be entered in [Form 4].

As for the R&D implementation structure, if there is an expected candidate performer, it is acceptable to provide their specific name and affiliation. For those who have provided their names, please prepare the form “Performer candidate information (PI) sheet” (Appendix to Form). However, since the performer will be determined through refinement of the R&D project, the inclusion of the researcher in the application form does not constitute a commitment to the project or the research and development expenses (please refer to the main text of the application guidelines 3.1 and 3.2). The figure below is for reference only.

(1) Structure up to the stage gate at the end of the 2nd year from the start of the research



(2) Structure for transitioning to the next stage upon passing the stage gate

ダイアグラム

AI によって生成されたコンテンツは間違っている可能性があります。

**4．Ripple Effects of the R&D Project**

Please explain what kind of results the proposed R&D project will produce by 2034, concisely, and what kind of ripple effect (impact) the results will have on the academe, industries, or society.

**５．International Positioning and Originality/Competitiveness of This R&D Project**

Please briefly explain the international positioning, originality, and competitiveness of the proposed R&D project.

**６．Challenges this R&D Project is Tackling Compared to Conventional Research**

Please briefly explain how this R&D project takes a different approach compared to conventional R&D and how it significantly advances areas where conventional R&D has not progressed, emphasizing its challenging nature.

**[Form 4] Plans for promoting the R&D project and its budget**

\*Please describe within 4 pages in Form 4.

\*Please use charts and diagrams (color is acceptable) as necessary to make it easier for the evaluator to understand.

**1. Plans for the promotion of the R&D project**

Please describe specific plans for promoting the "R&D project" described in [Form 3]. Filling in this proposal form does not mean that you are promised to receive the funds and to implement R&D as you are planning. The above-mentioned will be determined while refining on the R&D project (See Sections 3.1 and 3.2 of the main text of the application guidelines).

Please describe the overview of the R&D items, the period of implementation, and the R&D cost of the R&D items (total amount for FY2025 to FY2027, and total amount from FY2025 to FY2029, including indirect cost) for each of the major R&D items.

Note that the description given for the “R&D items” should be aligned with that in [Form 3] “3. Details of the proposed R&D project and the R&D implementation system.”

Additionally, please describe the dependencies among the R&D items. If applicable, also describe contributions to other projects, such as national projects or private sector projects. Even if contributions to other projects are not yet determined, please describe any potential contributions that are anticipated.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R&D items | R&D  costs  (FY2025  -FY2027) | R&D  costs  (FY2025  -FY2029) | FY  2025 | FY  2026 | FY  2027 | FY  2028 | FY  2029 | FY  2030 | FY  2031 | FY  2032 | FY  2033 | FY  2034 |
| (1) Establishment of YY  technology | XXX | XXX |  |  | Advancement of YY technology |  |  |  |  |  |  |  |
| (2) Demonstration of ZZ  technology | XXX | XXX |  |  |  |  | Integration of ZZ technology |  |  |  |  |  |
| (3) Development of XX system | XXX | XXX |  |  |  |  |  |  |  |  |  |  |
| [Contribution to other projects]  ZY Plan  (YZ institute) |  |  |  |  |  | Provision of XY technology |  |  |  |  |  |  |

(R&D costs, including indirect costs, unit: million yen.

Total amounts for FY2025 to FY2027 and FY2025 to FY2029)

**2. Yearly plans for research and development cost**

Describe the rough amount of your R&D cost. (unit: million yen)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fiscal Year | 2025 | 2026 | 2027 | 2028 | 2029 | 2030~2034 | Total |
| R&D cost  (including indirect cost) | X.X | X.X | X.X | X.X | X.X | X.X | XX.X |

\* The implementation period of the R&D project shall, in principle, be a maximum of 2 years (up to November 30, 2027). If the stage gate in the 2nd year (FY2027) is passed, the period shall, in principle, be extended to a maximum of 4 years (up to November 30, 2029). Furthermore, if it is decided to continue the program and project after the 4-year period concludes, the period shall, in principle, be extended to a maximum of 9 years (up to November 30, 2034).

\* Please ensure that the total R&D costs for FY2025 to FY2027 and FY2025 to FY2029 in this section correspond with the total R&D costs for each R&D item as listed in "1. Plans for the promotion of the R&D project " in this application form.

**3. R&D environments**

For facilities, equipment, apparatus, and devices deemed essential for conducting R&D, please select whether they fall under "Own Equipment (Own)", "External Use (Ext.)" or "New Procurement (New)" and provide their purpose, details, location, name, and related costs below.

It is important to propose a project that effectively and efficiently advances R&D on a minimal budget while maximizing the use of existing equipment to shorten the schedule. Facilities, equipment, apparatus, and devices deemed essential for R&D that are owned by the proposer's affiliated institution should be considered "Own Equipment." Please enter any operational and modification expenses required for utilizing them if they are indispensable to R&D.

If the proposer's affiliated institution does not possess essential facilities, equipment, apparatus, or devices, and they are owned by other institutions, please note the agreement status as "External Use." Additionally, if the performer candidate from the owning institution is not participating in the project, specify whether these facilities can be utilized. Furthermore, if there are costs associated with their use, please enter an estimate.

For "New Procurement" under R&D costs, enter the expenses and the planned period for their introduction, operation, or outsourcing (including the timing of delivery and commencement of use). Regardless of necessity, all new procurements valued at 20 million yen or more per item must be recorded.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Category | Purpose and Details | Location and Name | Costs (Million Yen) | Agreement Status for  “Ext.” | Feasibility of  “Ext.”  if performer  does not  participate | Planned  timing  for  “New” |
| “Own” | For conducting YY  tests | XX university,  XZ generator | 10 | - | - | - |
| “Ext.” | For evaluating XX  impact | XZ university,  XX evaluation  facility | 5 | Agreed | No | - |
| “Ext.” | For investigating the  impact on XX | XY institute,  XX test  equipment | 0 | Under  negotiation | Yes | - |
| “New” | Introduction for the  design of XY | ZZ university,  XZ software | 100 | - | - | FY20XX |
| “New” | Manufactured for  demonstration of YX | ZZ institute,  YX test model | 30 | - | - | FY20XX |

\* In the R&D project proposal, you are required to specify the purpose and details of use, as well as the planned expenditure, for particularly expensive equipment and facilities, including the operational costs necessary for their introduction and use, and any major expenditures planned from the project research funds. After selection, during the process of elaborating the R&D project, you will also be asked to concretize the purchasing, operation, and sharing plans for such equipment and facilities. Additionally, to implement each R&D project more effectively and efficiently within this program, adjustments of the purchased equipment and facilities may be undertaken under the direction of the PD, with the cooperation of sub-PDs and advisors, which may include consideration for sharing these resources between projects under this program.

**[Form 5] Proponent management ability**

\*Please describe within 2 pages in Form 5.

\*Please also refer to Appendix 1 of Application Guidelines (Moonshot Goal 10), “8. Viewpoints in selection.”

**1. Experience and achievement as they pertain to the management ability of the proponent**

Itemize your experiences and achievements in the management of R&D projects, business applications, etc. in an easy-to-understand way. If you have no experience or achievements to describe, write "None.”

If you have been a representative for any other research fund systems, list the title of the R&D project, the research cost, and the evaluation of it afterwards for major examples. See the example in the following table.

(Examples of description) Copy the following table if you need to describe two or more examples.

|  |  |
| --- | --- |
| Title of the fund system | Research base formation system by Ministry of xx |
| Period(fiscal year) | Fiscal year - fiscal year |
| Subject of research | The new xx science on the observation of yy developed by using zz |
| Research cost (direct cost) | xxx million yen |
| Results of the evaluation of the completed research | S) An excellent result was achieved; a significant contribution was made to the promotion of the use of xx. |

Describe the details of the roles and contributions of the proponent in any business application achievements. Include an overview of the business (the details of the business, results of order-taking and sales, etc.) in the description.

**2. Achievements in information exchange and collaboration with people from a wide range of fields**

Include specific examples in your description so that we can see your ability to communicate with researchers and relevant parties in and outside the country. Show that that you have networks with experts across the fields of academia and industry and the ability to collect information.

**3．Proponent’s concept for executing the management of the R&D project**

Describe how the PM will manage the R&D project to promote it. Please refer to “Management of R&D Projects by PMs” in application guideline 3.6.1, “Roles and Responsibilities of PMs.”

The support of the leader’s institution will also be essential for the candidate to promote PM activities. Please describe how you plan to support PM activities in the leader’s institution. In addition, please describe the size and number of staff comprising the support system (e.g., full-time staff who provide daily support for management, such as R&D progress management, and experts who formulate policies for handling intellectual property).

**4. Promote yourself and your application**

Please offer a detailed statement in your own words, with specific anecdotes such as how you came up with the content of the proposal; promotion of any of the various achievements, development capabilities, special skills, etc. of the proponent and/or major performer candidates; what the proponent and/or the major performance candidates wish to do in the future; and how this content is relevant to this proposal.

In addition, please explain the reasons you believe that the proponent is qualified as a PM who will promote the management of the R&D project (see 1.1.3 of the application guidelines for the role of PMs), with reference to the specific experiences, past work, and achievements of the proponent themselves.

For industry-academia collaborative R&D, if you have already cooperated with the industrial sector to conduct joint R&D and those R&D results were implemented in society, please describe this experience.

**[Form 6] Application status, efforts, and acceptance of other research funds**

The proponent should describe the competitive funds of the national government or any other research aid the proponent(\*) is currently participating in, has applied for, or is applying for. Include the title of the project, the period of implementation, the role, and the amount of the research funds you receive, your efforts, and the like. In addition, provide an overview of your activities other than research and the effort.

Please list this in order of the amount of research funds received (largest first; however, list this program first, regardless of the monetary amount).

\* When applying, the call of FY2021 is made based on the fact that the "Integrated Innovation Strategy2020" stipulates that "disclosure of information on the status of acceptance of foreign funds is a requirement when applying for research funds", please clarify that research funds from overseas should also be entered in the form of "whether or not there is other support" (or "status of application / acceptance of research funds, etc." depending on the R&D program). In addition to competitive funds, both domestically and internationally, please list all research funds such as grants from private foundations, contract research expenses from companies, and joint research expenses.

If description is different from the fact, the adoption may be canceled later.

If you are selected as an applicant and invited to our interview-based review, we may ask you to submit the application form, the plans, and the like for other research funds.

If it is difficult to fill in the form due to unavoidable circumstances, such as being unable to fill in the form based on the content of the non-disclosure agreement that has already been concluded, please fill in the effort only (please be careful when filling in the form as it will be provided to outside experts during the screening process).

Please list the grants that you are currently receiving or have been approved for in order of the amount of research and development expenses (for the entire period) that you have received. After that, please list the grants that you are applying for or plan to apply for.

Add or delete rows in the table if necessary.

(1) The research fund you have applied for (Direct Cost)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Title of the fund system/research fund (research period/name of the organization providing the fund)** | **Title of the**  **project**  **(Name of the representative)** | **Research Period** | **Role**  **(Classification of representative, Co-principal investigator, etc.)** | **Direct cost**  **received by the individual**  **(1) Entire period**  **(2) Scheduled for 2025** | **Effort for FY2025(%)** |
| 1 | [This proposal]  Moonshot Research and Development |  | 2025.10  - | Representative  (PM) |  | 30 |
| 2 | Moonshot Research and Development | The Name of the project to be involved in as Performer  (PM’s Name)  \*If the proponent is planning to be involved in the R&D project as a performer, please fill in.  Also, please also fill in the effort allocated to the R&D as a performer. | 2025.10  - | Performer |  | 20 |
| 3 | Science research budget: Subsidy Fundamental research (S) (April 2025 -  March 2028) | The creation of xx by yy  (xxxx) | 2025.10  -  2027.3 | Co-Principal  Investigator | (1) Total amount XX.X million yen  (2) X million yen | 5 |

● Research project(s) for which you have applied, the relationship with the R&D project proposed for this program, and the differences

Please explain the relationship between any research projects to which you have applied and this proposal, and the differences between them, referencing serial numbers. This is not necessary if you have not applied to anything other than this program.

(2) The research funds to be received (Direct Cost)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Title of the fund system/research fund (research period/name of the organization providing the fund)** | **Title of the**  **project**  **(Name of the representative)** | **Research Perio** | **Role**  **(Classification of representative, Co-principal investigator, etc.)** | **Direct cost received by the individual**  **(1) Entire period**  **(2) Scheduled for 2025** | **Effort**  **(%)** |
| 1 | Science research budget: Subsidy Fundamental research (S) (April 2020 -  March 2024) | The creation of xx by yy  (xxxx) | 2019.10-  2024.3 | Co-Principal  Investigator | (1) Total amount XX.X million yen  (2) X million yen in total) | 5 |

● Research project(s) for which you are receiving research budget, the relationship with the R&D project proposed for this program, and the differences

Please explain the relationship between any research project(s) for which you are receiving budget and this proposal, and the differences between them, referencing serial numbers. If you are not receiving any other benefits, this section is not required.

(3) Other activities

|  |  |  |  |
| --- | --- | --- | --- |
| **Organization** | **Post** | **Activity** | **Effort(%)** |
| WW University | Professor | Academic Affairs | 40 |
| XX Corporation | Director (Part-time) | Deliberation on business plans, business operation plans | 3 |
| yy Corporation | Advisor | Guidance on R&D projects | 2 |

**[Form7] Information on conflicts of interest**

Information on a PD and sub-PD and advisor (AD)’s conflicts of interest

Please declare whether or not you have a conflict of interest based on the application guidelines 2.2.1. Please be sure to refer to the relevant section when making your declaration.

Please refer to the following website for evaluators (PD, sub-PD (PD assistant), advisor (AD)).

<https://www.jst.go.jp/moonshot/en/program/goal10/>

Select whether the proponent has any shared interests with the PD, sub-PD or AD that correspond to the MS goal you have selected.

Select whether the proponent has a shared interest with PD and sub-PD and AD who oversees the MS goal you selected.  Yes  No \*Select one.

Provide a specific description if you answered, "Yes".

If there is no applicable item, please delete the table below.

If there are shared interests, describe the content of them specifically. For a fair and transparent evaluation, the PD, the sub-PD or the AD who has a shared interest with the proponent will not participate in the selection processes with respect to the applicable proponents.

If it is confirmed that the requirements of a relation of interest are met between the proponent and the PD and no declaration is made from the proponent to JST, we may take measures, including not adopting the project or canceling the project, unless JST recognizes appropriate reasons for the omission.

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Applicable requirements** | **Applicable Evaluator** | **Reason** |
| 1 | c | △△　△△ | The proposer has conducted joint research with the PD on the 〇〇 Project (20XX-20XX), and falls under c of the requirements for conflicts of interest. |
| 2 | e |  | The proposer's organization, XX Corporation, is in a competitive relationship with the organization of the sub-PD, YY Corporation. |
| 3 | d | ○○　○○ | The proposer was a member of the research team managed by AD○○ between 20XX and 20XX, and falls under d of the requirements for conflicts of interest. |
| 4 |  |  |  |
| 5 |  |  |  |

The requirements for conflicts of interest as stipulated in the application guidelines (Chapter 2, Section 2.1) are as follows.

Please replace the term “PD” below with “PD, Sub-PD and AD” when referring to the relationship with the Sub-PD or AD.

1) A person who is a relative of the PD

2) A person who belongs to the same department or major, or the like as the PD at a university, college, or R&D organization of a national research and development corporation or the like or to the same enterprise as the PD

3) A person who engages in a close joint R&D project with the PD. This refers to, for instance, conducting a joint R&D project, coauthoring a research paper, being members of an R&D project for the same purpose, or being joint researchers tasked with a problem from the PD, or practically belonging to the same R&D group as the PD.

4) A person who is closely associated with the PD as a teacher or student or they have a direct employer-employee relationship

5) A person who is in an academically competitive relationship with the PD‘s R&D project or who belongs to an enterprise that is in a competitive relationship in the market

In the application form, you are only required to declare conflicts of interest to the PD, Sub-PD and AD, but as stated in sections 2.2.2-2.4.2 of the Application Guidelines, you may be asked during the interview about shared interests between PM and performers, PM and PM-related institutions, PM and JST-invested companies. You may also be asked to provide additional documentation regarding these types of shared interests.

**[Appendix to Form] Performer candidate information (PI) sheet**

**(within one page per performer)**

Copy this page for each performer candidate. Fill it in for all the candidates of the R&D project proposed here (\*This sheet needs to be submitted even when the proponent will also act as a performer.

Changes, additions, or deletions will be made as appropriate to the PI issues through meetings with the PD.

Filling in this proposal form does not mean that you are promised to receive the funds for the planning and/or the R&D project or that the applicable performer will be allowed to participate.)

**"Performer Candidate Information Sheet" (One page or less per person)**

|  |  |  |
| --- | --- | --- |
| **Assigned R&D item,**  **budget and planned**  **participation timing**  **(Total up to FY2029)** | | R&D of XX (＊＊＊ thousand yen)  Planned to participate from FYZZ  \*Including indirect costs |
| **Full name of the performer candidate** | |  |
| **Affiliation and Post** | |  |
| **Evaluation of the performer candidate and his/her achievements in R&D** | | |
| 1) The role and necessity of the candidate for the relevant issue promoter  Describe concisely the role of the candidate researcher and the reason you think they would be the most preferable to oversee the applicable item to be performed.  2) List of Achievements  Describe five especially important achievements in the field to which the performer candidate is to be assigned in order to give grounds for the above-mentioned.  Itemize up to five achievements of importance, if any, in any relevant review paper, book, award, patent, invitation lecture, or presentation at an international institution. Underline the name of the performer if there are two or more authors or presenters. | | |
| **Role and Period of Participation** | | |
| The status of the agreement from the candidate to participate in the project | Done,  Being arranged,  Not arranged (Select one.) | |
| Effort for the project | (The ratio of the time for the activities in the R&D project in whole work hours）％ | |