

Special instructions for preparing a written proposal

1. Prepare your written proposal by reference to the examples on the pages that follow.

Note, please delete *all unnecessary examples* before submitting the proposal.

2. Use sheets of A4 paper with the left side bound. Except the front page, print both side of a sheet of paper. Fasten upper left corner with staples or clips and make punch holes. Filing into paper file, etc. are not necessary.

3. Submit 12 copies of your written proposal (one original copy and 11 duplicate copies)

4. Place the page number at the bottom center of each page of your written proposal.

5. Using the format in Attachment 11, create a proposal summary, and submit it along with the written proposal.

Attachment 11 may be published if the proposal is adopted.

We updated the words underlined and highlighted in Red (Attachment 1 P1, 4, 13, 16 and 25, and Attachment 7 P53) on April 10, 2020.

(An example of the written proposal)

Front page

Written Proposal for the *Moonshot Research and Development Program/Realization of sustainable resource circulation to recover the global environment by 2050*

Name of this research and development project:

Research and Development of ●●●●●

Name of PM candidate:

●●●●● Co, Ltd. (Please record 1 party for the entire proposal.)

(Please have all organizations involved in the proposal develop, sign, and place their seals on their own cover pages (excluding Re-Entrusted Contractors). Please provide point of contact information for someone who can appropriately respond to inquiries regarding this proposal.)*

Proposal document receipt certificate shall be sent to the representative proposer.

[●●month] [●●day], [●●year]

Company name *●●●●● Co, Ltd. (corporation number)*

Seal

Name of representative *(representative director and president in the case of a company)*

Seal (or signature)

Company address: *....., ●●-shi, ●● Prefecture ●●●-●●●●, Japan)*

Contact information: *●● Section, ●● Department*

Title: *●●●●●, General Manager*

Name: *●●●●*

Address: *....., ●●-shi, ●● Prefecture ●●●-●●●●, Japan)*

** If the address in the contact information is different from the company address, write the former.*

Phone: *●●●●-●●-●●●● (main) extension ●●●● Fax: ●●●●-●●-●●●● E-mail: *****@******

Research institution code in e-Rad (ten digits)	
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Confirming the absence of interested parties

In implementing adoption examination, *NEDO* holds the Adoption Examination Committee by outside experts invited from universities, research institutions, companies, and so on. In the Adoption Examination Committee, as well as conducting fair examination, the use of the proposed information obtained through these meetings is prohibited.

NEDO is also trying to exclude any interested party from the committee meetings with the highest care in the stage of selecting the committee members. Furthermore, *NEDO* is asking the committee members themselves to confirm in advance that they are not interested parties; if *NEDO* determines that they are indeed interested parties, *NEDO* may take certain measures such as precluding them from examination in this matter, with the aim of ensuring fair and equitable examination.

As such, *NEDO* asks all proposers to describe the information that shall be presented to the adoption examination committee members for preview. *NEDO* shall present the names of proposers, name of the research and development project, and technical points described in this document to the adoption examination committee members so that each member is able to judge whether or not he/she himself/herself is an interested party, more importantly, a competitor. Concerning technical points, *NEDO* would like you to describe your technical aspects to the extent considered necessary for identifying a competitive relationship between the parties.

Furthermore, please provide specific details regarding any possibility that the proposer and the PD may be interested parties. The definition of interested party shall be as described below. As *NEDO* seeks to assemble top-class research and development capabilities and various forms of knowledge in its business endeavors, it will not be excluding parties from the implementation system through application of a uniform standard to assess the existence of interested parties. *NEDO* will determine whether participation by the party in question is appropriate based on the necessity, rationality, and appropriateness, among other factors, of the relationship at issue. Note that *NEDO* may determine that the parties are interested parties based on information other than what is provided.

- 1) The PD's spouse, blood relative within the fourth degree, marital relatives within the third degree, or family living with the PD
- 2) Parties who were in the same class, laboratory, etc. at the same university or research organization as the PD, or were employed in the same business as the PD

- 3) Proposer who is a member of the same research project as or a joint researcher of the PD, or the university, research organization, business, or other entity with which the PD is affiliated
- 4) Proposer who is in a direct and competitive relationship with the PD, or the university, research organization, business, or other entity with which the PD is affiliated
- 5) Any other party who may be an interested party of the PD, or the university, research organization, business, or other entity with which the PD is affiliated

Additionally, if there is anyone that you believe is an interested party in the process of NEDO selecting adoption examination committee members, you may feel free to voluntarily describe your concern in the corresponding entry column in the attachment. If the adoption examination committee members comment that they are unable to judge whether or not they are interested parties, NEDO may request you for additional information. In that case, NEDO will appreciate your cooperation.

(The names of proposers) *(*When you make joint proposals, write all your partners as well. If the proposer is a university or public research institution, and if the representative researcher is a researcher who belongs to a university or graduate school, describe his/her affiliation down to a department or major level. If the representative researcher is a researcher who belongs to a public research institution, explain his/her association down to a section or center level. The above information is required for Re-Entrusted Contractors as well.)*

●●●● Co., Ltd.
 Professor ●● ●●, ●● Department, the Faculty of ●●, ●● University
 Professor ●● ●●, ●● Course, Graduate School of ●●
 ●● ●●, Department Head, ●● Department, ●● Research Laboratory

(Name of this research and development project)
Research and Development of ●●

(Technical points)

(Information regarding interested party relationship with PD)
 There is a possibility that the proposer and the PD are interested parties: () Yes
 () No *Select one answer

If "Yes," give specific reasons:

(If there is someone that you believe is an interested party in the adoption examination committee members, describe your concern voluntarily.)

Body text

Name of this research and development project *Moonshot Research and Development Program/Realization of sustainable resource circulation to recover the global environment by 2050*

Research and development project “*Research and Development of ●●●●●*”

1. Contents and goals of this research and development

1-1. Goals of this research and development

(1) Global warming or environmental pollution problems to be solved

Propose a specific problem you seek to solve via the realization of sustainable resource circulation, and provide a logical and objective explanation (such as through reference to reports put out by public organizations).

Proposals for goals other than the recovery of the environment (such as proposals seeking to secure precious resources) are excluded from this public call.

If a proposal seeks to resolve multiple environmental problems, please provide explanations regarding how the proposal will respond to each environmental problem, including scenarios oriented toward the achievement of the goals described below, as well as the ripple effect of the proposal.

(2) The resource circulation to be realized

(i) The substances subject to circulation

Please provide simple descriptions regarding substances subject to resource circulation that are difficult to recover using existing technology, and are causes of environmental problems.

(ii) Condition of substances subject to circulation

Please check the boxes below that correspond to the condition of the subject substances described (please be sure to select either one or both items.)

- Substances spread widely into the environment
- Substances being released into the environment in low concentrations

(iii) Proposed method to realize resource circulation

Please check the boxes below that correspond to the proposed method for realizing resource circulation (please be sure to select either one or both items.)

- Technologies that can recover the subject substances and convert them into valuable materials

**Partial proposals addressing either recovery or conversion are possible, but in such an event, please also demonstrate a complete image including the remaining portion (from resource recovery to use) in (iv) below.*

- Technologies that decompose or detoxify the subject substances

(iv) Plants and products oriented toward practical application

Please describe what plants and products you will develop as a result of this research and development.

**Regarding plant development, even if you made a partial proposal addressing either recovery or conversion in (iii) above, here, please demonstrate a complete image that also includes the remaining portion (from resource recovery to use).*

With respect to product development, please provide specific descriptions regarding new functions or anticipated uses below.

Note, if there are portions of the proposal that anticipate developments outside of the public call or developments taking place after the conclusion of the public call, please describe them in an easy-to-understand way.

(v) Overall image of resource circulation

Please explain how the plants and products described in (iv) above will constitute the overall moonshot goal of resource circulation as part of an overall image of the “present situation” and “sustainable resource circulation to recover the global environment,” such as in the example below. If the subject material will be converted in such a situation, please record chemical formulas and the like in an easy-to-understand manner.

Example:

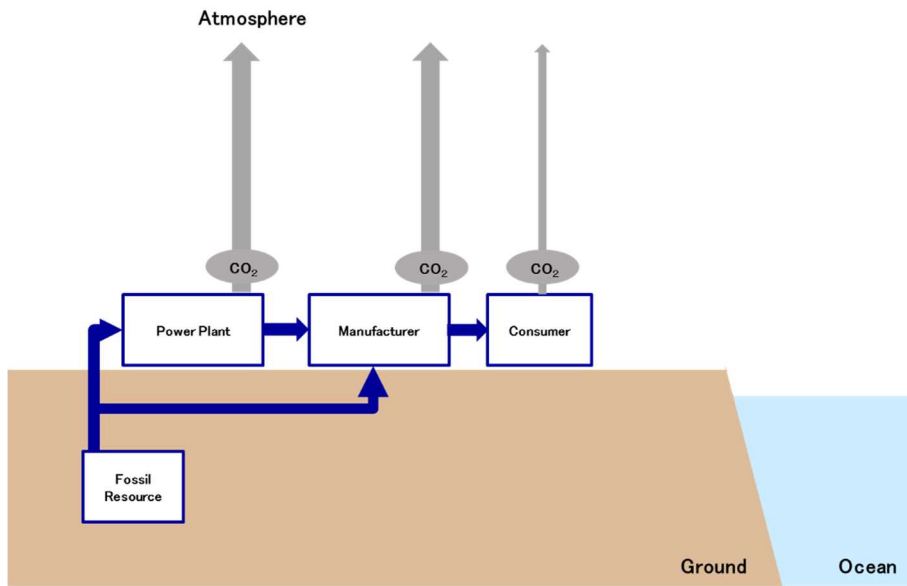


Chart Present Situation (Ex.)

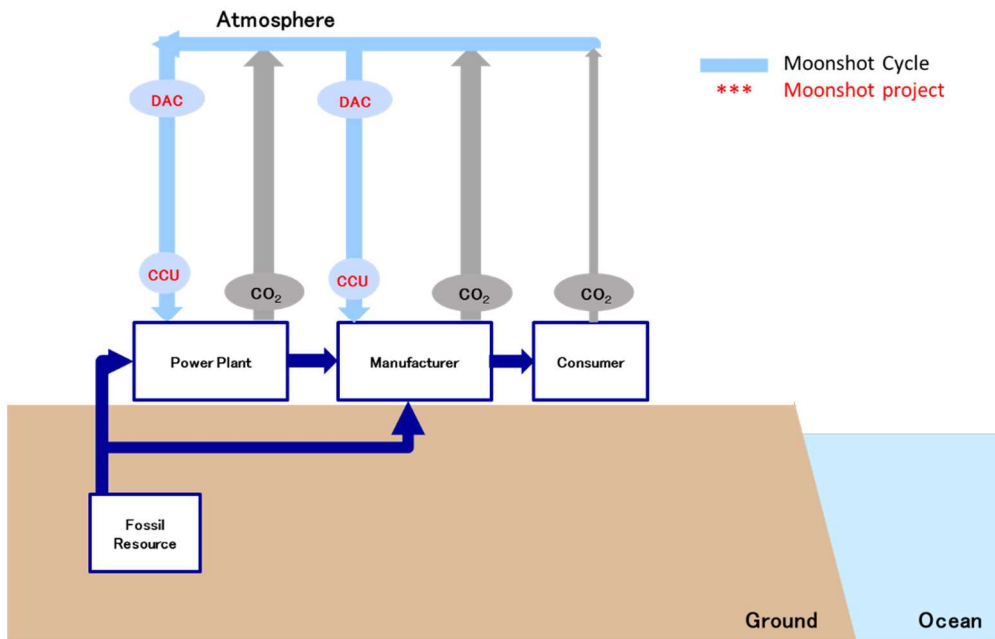


Chart Resource Circulation to be Developed (Ex.)

1-2. Scenario envisioning MS Goal achievement by 2050

(1) Scenario envisioning MS Goal achievement by 2050 through the proposal

Please explain how you will realize sustainable resource circulation, possible scenarios and issues to be solved between the end of this Project (after achieving 1-4 Targets of this research and development) and 2050, from a technological perspective, as well as the non-technological perspective of social implementation including roles of the government and the public. In this case, please explain the scenarios as your entire proposal, considering 1-5. Viability of practical application and commercialization of research and development results
If, at this point, in order to accelerate research results or to realize smooth social implementation, you plan to engage, act, or transact in some other way with ELSI (Ethical, Legal and Social Issues) or cross-disciplinary researchers, or are considering the same, please provide details on such plans or considerations below.

Example)

*Technical issue 1) Realization of ●● technology
Solution)*

*Technical issue 2) Construction of ●● system
Solution)*

*Social issue 1) Institution of ●●'s permission
Solution)*

(2) Contributions to recovery of global environment and Japan's economy

Please explain, including background data how the practical application and commercialization of this Project's results will contribute toward the resolution of the global environmental problems established in "1-1. Goals of this research and development ", with specificity regarding what effects are anticipated with respect to the reduction of greenhouse gases, environmental pollution, and other factors.

Provide a specific explanation, including background data, regarding the contribution this proposal will make toward the realization of enhanced economic activity in Japan, expressed in forms such as increases to domestic production and employment, exports, domestic and foreign license income, ripple and induction effects on domestic production, and convenience to Japanese citizens.*

**: Key background data forming the basis for the above (background, numbers, etc.)*

1-3. Details of this research and development

(1) Current stage of research and development

Please check the boxes below that correspond to the stage of development of the proposed technology (please be sure to select one of the two items.)

Note that research and development with respect to technologies that are already at the pilot scope or prototype level will be excluded from this public call.

- Laboratory level
- Bench tests level

(Reference)

<i>Laboratory</i>	<i>Testing of each unit element at the beaker scale</i>
<i>Bench tests</i>	<i>Testing a system combining unit elements in a simulated environment, or developing a sample possessing basic capabilities</i>
<i>Pilot testing and prototypes</i>	<i>Testing using real environments at a scale that can provide information necessary for commercial plants and product designs, or provision of prototypes that can be evaluated in real environments after commercialization</i>
<i>Commercialization</i>	<i>Start of commercial plant activities or product sales</i>

(2) Details of this research and development

“XXXX research and development (XXXX research and development)” (XX Co., Ltd.)

[Details of Research and Development]

Please provide, as specifically as possible, the proposed research and development details in accordance with the MS Goal and Research and Development concept

Please provide easy-to-understand explanations regarding the methods used to solve technological problems that need to be solved in order to fulfill the “1-4. Targets of this research and development,” such as through comparisons of the proposed methods to existing, generally used methods.

Please provide details regarding the participating organizations, partnerships, and other entities, and clarify the allocated responsibilities of each. For example, in order to describe each responsibility of the entity, it is one of the good way to describe the details of research

and development by allocated organizations, like examples as below, (In this case, please describe the items shall be matched to the 1-4 Targets of this research and development.)

If the applicant is either the National Research and Development Agency or a public interest corporation, please clarify in your proposal that you have a technological advantage with respect to the Project's technological field.

If the party has any referential history as a Re-Entrusted Contractor or a Joint Contractor, please clearly explain each party's allocated responsibilities. Note that re-entrustment by the National Research and Development Agency to private businesses, or joint performance between the same (excluding situations where there is no flow of funding to Re-Entrusted Contractors or Joint Contractors.) are generally not permitted.

If engaging in international collaboration (a foreign business participates as an Entrustee, or as a Re-Entrusted Contractor or Joint Contractor, a foreign researcher participates after becoming affiliated with a Japanese business or other entity, or a "co-funding" method whereby a foreign business, or other entity, personally secures research fees or secures such fees through the support of research and development supporting organizations of its nation, etc.), please record the details of such collaboration and allocation of responsibilities between parties.

Further, if, in order to accelerate research results or to realize smooth social implementation, you plan to engage, act, or transact in some other way with ELSI (Ethical, Legal and Social Issues) or cross-disciplinary researchers, or are considering the same, please provide details on such plans or considerations below.

In case you will do the activities to explain the contents and technical results of their research activities to society and people in an easily understandable way (Scientific and Technical Dialogue with the People), please describe the details of the activities.

Examples)

*(i) "XXXX research and development (XXXX research and development)" (XX Co., Ltd.)
[Details of Research and Development]*

*(ii) "XXXX research and development (XXXX research and development)" (XX Co., Ltd.)
[Details of Research and Development]*

1-4. Targets of this research and development

(1) Final targets (targets for 2029 (if you are planning on a research term of less than 10 years, please change.))

Please set the 2029 (if the research term is less than 10 years, please change the year) final targets for this Project (number of qualitative and quantitative investigations, etc.) so that they correspond to one of the options below, and set the targets in a specific and quantitative manner. (Examples include: "XXXX is possible." "It is of XXXX type." "XXXX is at XX or more." "We will XX with respect to XX units or more." Utilize other expressions as necessary, and make your expressions as specific and quantitative as possible)

- Development of circulation technology on a pilot scale for reducing greenhouse gases that is also effective in terms of life cycle assessment (LCA).

<Considerations for responses to global warming>

Based on the explanations in 1-1. (2) (iv), assuming total system and considering cost and energy balance, target for the development theme shall be set.

- Development of technology on a pilot scale or in a form of prototype that converts environmentally harmful substances into valuable or harmless materials.

<Considerations for responses to environmental pollution>

Based on the explanations in 1-1. (2) (iv), taking into consideration of costs and byproducts, target for the development theme shall be set..

(2) Mid-term targets

Specifically describe the mid-term targets for 2022, 2024, and 2027 (number of qualitative and quantitative considerations, etc.). (Examples include: "XXXX is possible." "It is of XXXX type." "XXXX is at XX or more." "We will XX with respect to XX units or more." Utilize other expressions as necessary, and make your expressions as specific and quantitative as possible.)

Please also provide a simple explanation for why the mid-term targets above (qualitative and quantitative characteristics, etc.) and the final targets (qualitative and quantitative characteristics, etc.) were set this way. Also, please clarify targets of your research and development by the items described in 1-3 Details of this research and development and by roles sharing.

1-5. Viability of practical application and commercialization of research and development results

- Please record ripple effects into industry anticipated by the research and development results, plans to commercialize and put into practical use the research and development

results*, time required for practical use and commercialization, and the ability of proposer to commercialize and put into practical use the results, among other factors into "Plans for the commercialization of research and development results" (Attachment 3). (After the research has been completed, NEDO will ask you to participate in follow-up surveys and evaluations implemented by NEDO.)

Note, if you have no participating businesses, etc. that were responsible for practical application and commercialization from the beginning of your involvement, please explain whether you intend to participate in a performance structure during the Project, or plan to start up such a structure during the Project, among other possible explanations. Describe the development status, or the possibility of development, of a system of collaboration between divisions such as technological transfer divisions, as well as businesses, etc. that will handle the productization and service provision related to the developed technologies, as well as any plans you yourself have to start your own businesses for developing and providing such products and services, among other plans.

*The "commercialization and practical use" described here refers to the start of social application of prototypes, services, etc. (i.e. provision to customers, etc.) related to the present research and development, or application to business activities (sales increases, etc.) by sale or use of the products, commodities, and services, etc. related to the present research and development, and includes the "commercialization plan" described in Article 27 of the General Conditions of Business Entrustment Contract.

We will ask that you submit your commercialization plans available at the time you submit a written proposal to the public call.

If your proposal is adopted, and there have been changes to the plans submitted at the point of proposal, please submit the changed details to the NEDO department responsible for the present Project.

You will also need to either explain to NEDO what changes you plan to make, or consult with NEDO separately regarding those changes.

Note, if the proposal in question was made jointly by multiple business operators, each operator will be asked to provide details, including Re-Entrusted Contractors. Furthermore, if you wish to keep your details secret from other proposing business operators (consolidating businesses, etc.), please have each business operator provide their own details in a sealed envelope, or other covert method, and submit them along with the written proposal.

Furthermore, if you plan to advance your research and development via joint proposal, consortium, or other collaborative method, and you plan to jointly work toward practical

application and commercialization of your research and development, you are free to clarify how each party plans to contribute toward practical application and commercialization in a joint submission. Further, in such an event, please provide a whole idea for how you plan to collaborate on this practical application and commercialization.

2. Project implementation system

2-1. PM candidate

Department/job title Name ●● ●●

(1) Why this party is suitable as a PM for the present business

Please provide information regarding the following items

(i) The party has broad personal networks of domestic and foreign researchers, etc. and professional knowledge valuable to the advancement of leading-edge research and development.

(ii) The party has the management and leadership skills necessary to develop optimal research and development structures, and actively review said structures based on progress conditions and the like, among other capabilities sought in managers or leadership.

(2) Thought processes of PM candidates concerning performance of management of the research and development Project

In light of the proposer's own management experience up to this point, please explain which areas you believe need to be strengthened in order to effectively manage the proposed research and development project, and explain your action plans for actually strengthening those areas.

In particular, please explain what sorts of efforts you will undertake concerning financial management and research data management.

(3) Degree of effort taken with respect to this research and development Project as well as other duties

Please explain what degree of effort you have taken with respect to this research and development Project as well as other duties.

(4) Support structure for PM management activities

Please explain what sort of support structure you plan to implement, or you will need in order to effectively and efficiently effectuate your management.

This will allow us to calculate the necessary project expenses, as well as the necessary personnel expenses, such as for researchers, designers, engineers, temporary and part-time workers, etc. dedicated toward the management work needed by the PM, such as intellectual property management, compliance with international standards, publicity, and surveys of technological trends, among others.

2-2. Administrator

Please provide an administrator for each participating organization

Person in charge of administration: ●● Section, ●● Department Name ●● ●●

Phone ●●-●●●●-●●●● (ext.) Fax ●●-●●●●-●●●●

Person in charge of accounting: ●● Section, ●● Department Name ●● ●●

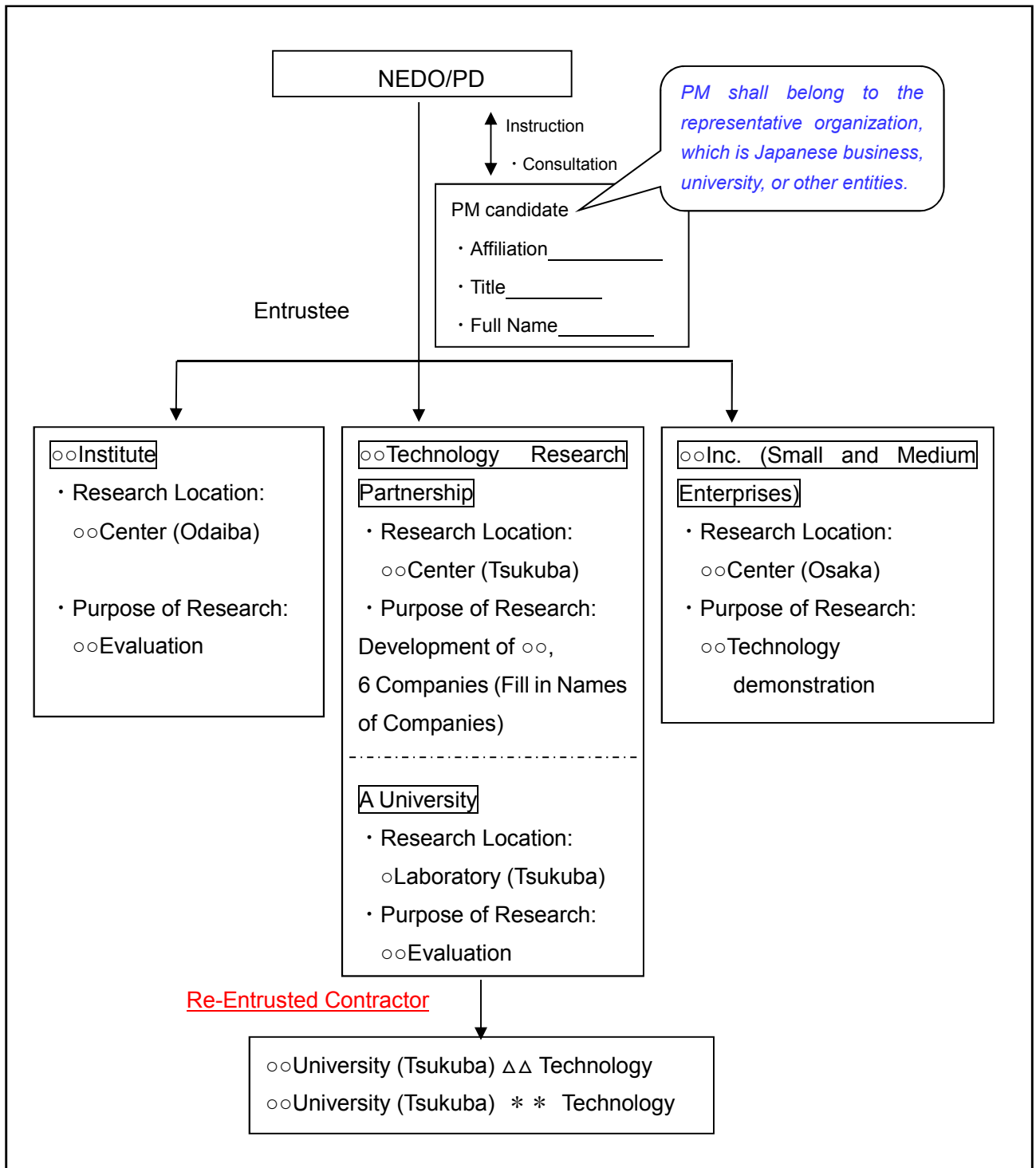
Phone ●●-●●●●-●●●● (ext.) Fax ●●-●●●●-●●●●

2-3. Project implementation system chart

Please provide a chart like the one below showing your implementation system chart if you are entrusted with this research and development. If you are providing a joint proposal, please include the other joint proposers, and develop the chart in a way that clarifies the roles of all participants.

(An example)

Project implementation system of ●●●●



Note: Write the place of research and development implementation and the items to be studied by each institution.

Companies (excluding Re-Entrusted Contractors) need to write necessary information in the table below. Concerning the types of large companies, medium-sized, small and medium-sized, and venture companies, refer to the definitions described in the Guidelines for Public Call. The placement of an accounting auditor is one of the functions of a publicly traded company, which large companies and companies with a nominating committee, etc., are obliged to place under Article 337 of the Companies Act. Unlike corporate auditors, accounting auditors are tasked to audit financial statements and others from an independent standpoint. Publicly traded companies other than large companies and companies with a nominating committee are able to place an accounting auditor, too. If you place an accounting auditor, write the name of your certified public accountant or auditing company.

However, businesses, universities, or research organizations from outside of Japan (hereinafter referred to as "Foreign Businesses, etc.") will not need to be listed as "large, medium-sized, small and medium-sized, or venture companies."

A list of project implementation systems

Company name	Number of employees	Stated capital	Type of company: Large, medium-sized, small and medium-sized, or venture	Accounting auditor name
Publicly traded company A				
Private limited company B				

If no independent auditor has been established, please enter "none."

Please use the number of employees and capital funding applicable at the time of your application.

Please periodically confirm the latest versions of applicable laws for accurate article, section, and item numbers.

(Reference) Definitions of medium-sized, small and medium-sized, and venture companies

* Medium-sized, small and medium-sized, and venture companies refer to companies and others that fall under any one of the following (a), (b), (c), or (d), with the shareholding of large companies not exceeding a certain percentage (Note 1).

(a) Companies as Small and Medium Enterprises

Article 2 of the Small and Medium Enterprises Basic Act (definitions of the range and terms of small and medium-sized enterprises) is applied mutatis mutandis to these companies,

and they satisfy either the Stated Capital Standard or the Employee Standard shown in the table below.

<i>Types of businesses conducted as principal businesses *1</i>	<i>Stated Capital Standard *2</i>	<i>Employee Standard *3</i>
<i>Manufacturing business, construction business, transportation business, and other types of businesses (excluding those listed below)</i>	<i>300 million yen or less</i>	<i>300 or less</i>
<i>Retailing business</i>	<i>50 million yen or less</i>	<i>50 or less</i>
<i>Service business</i>	<i>50 million yen or less</i>	<i>100 or less</i>
<i>Wholesale business</i>	<i>100 million yen or less</i>	<i>100 or less</i>

**1 Business type classification is based on the provisions of Japan Standard Industry Classification*

**2 This refers to the amount of stated capital or the total amount of capital contribution*

**3 This refers to the number of full-time employees without including family employees, part-time employees, directors of public corporations, and business owners. Employees on temporary assignment outside the company are included in the number of employees.*

(b) Partnerships as Small and Medium Enterprises

These partnerships refer to partnerships and others that fall under any one of the following items.

- 1. These partnerships are research and development partnerships, and two-thirds or more of their direct and indirect members are companies, enterprise cooperatives, or cooperative partnerships as Small and Medium Enterprises listed in the table of (a).*
- 2. The business cooperatives and others stipulated in Article 6 (iii)(c) of the Industrial Technology Enhancement Act in addition to the partnerships described in 1.*

(c) Companies as Medium-sized Companies

These are companies that satisfy any one of the following conditions: The number of their full-time employees (Note 2) is 1,000 or less, and their annual sales are 100 billion yen or less, but they are not small and medium-sized enterprises.

(d) Research and development-oriented ventures

These are companies that satisfy all of the following conditions.

- *Their experiment and research expenses account for 3% or more of sales revenue, and the number of researchers is at least two and 10% or more of the total number of employees.*
- *These companies shall develop practical applications utilizing uncommercialized research and development results, such as unutilized technologies.*
- *Upon applying for this project, these companies should present evidence of satisfying the above requirements.*

Note 1. The shareholding of large companies should exceed a certain percentage at the following companies.

- *A large company (Note 3) possesses a half or more of the total number of issued shares or the overall contribution of the companies.*
- *Multiple large companies (Note 3) possess two-thirds or more of the total number of issued shares or the overall contribution of the companies.*

Note 2. The number of full-time employees does not include family employees, part-time employees, directors of public corporations, and business owners. Employees on temporary assignment outside the company are included in the number of employees.

Note 3. Large companies do not fall under any of companies (a) through (d) in running their business. However, companies that fall under the following shall not be treated as large companies.

- *Small and medium business investment & consultation companies stipulated in the Small and Medium Business Investment & Consultation Companies Act.*
- *Those who signed master contracts with the designated supporting institutions (venture foundations) stipulated in the Act on Temporary Measures concerning the Promotion of the Creative Business Activities of Small and Medium Enterprise before abolition (specified venture capital companies).*
- *The investment limited partnerships specified in the Limited Partnership Act for Investment.*

(Reference) Definitions of accounting auditors

Certified public accountants or auditing companies that perform audits of publicly traded companies. One of the functions of a publicly traded company, which large companies and companies with a nominating committee, etc., are obliged to place under Article 337 of the Companies Act. Unlike corporate auditors, accounting auditors are tasked to audit financial statements and others from an independent standpoint. Publicly traded companies other

than large companies and companies with a nominating committee are able to place an accounting auditor, too.

2-4. Place of research and development implementation

Write the place of conducting research and development and the reason why you selected that place.

(An example)

Main research laboratory: ●●●● Research Laboratory

The reason for the selection: ●●●●

Sub research laboratory: ●●●● Co., Ltd. ●●●● Co., Ltd.

The reason for the selection: ●●●●

3. A track record in research and development related to this technology or the related technologies

3-1. A track record in research and development considered useful for this proposal

Describe the status of the system or method you propose in Japan and overseas and the applicant's track record in the related research and development and the positioning in the circumstances, which are conducive to this research and development or the smooth implementation of this research and development by quoting publication of research findings, and explain the applicant's ability to implement the content of the proposal to all of the research institutions involved (including Joint Contractors and Re-Entrusted Contractors).

3-2. Possession of existing facilities, equipment, and others to be used for this proposal

Concerning the facilities possibly needed to conduct this research and development, describe the status of the facilities the applicant possesses and their applications.

(An example)

<i>Name of owned facilities</i>	<i>Description</i> <i>(Write the purposes, specifications, and others)</i>

4. Research and development budget, researcher deployment in each fiscal year, and estimated budget

4-1. Research and development budget and researcher deployment in each fiscal year

Summarize what research and development items shall be studied in what procedures using how much of expenses in a table as shown below. A research and development period of up to 10 years is possible, but please make plans for the time period required. In the case of a joint proposal, write the proposed division of research and development and necessary expenses for each company.

For reference purposes, write the number of researchers required in the fiscal year in the parentheses under each line showing the research and development schedule.

(An example)

Unit: million yen

The number of researchers in parentheses

Research and development items	N1 FY	N2 FY	N3 FY	N4 FY	N5 FY	Subtotal	N6 FY	N7 FY	N8 FY	N9 FY	N10 FY	Total
1. Research and Development of ●●●●●		*** (*)	*** (*)	*** (*)	→							*** (*)
1-1. Surveys of ●●●●●		*** (*)	*** (*)	*** (*)	*** (*)	→						*** (*)
1-2. Development of ●●●●●												
2. Research and Development of ●●●●●				*** (*)	*** (*)	*** (*)	→					*** (*)
2-1. Research of ●●●●●					*** (*)	*** (*)	→					*** (*)
2-2. Research of ●●●●●												
Total		*** (*)	*** (*)	*** (*)	*** (*)							

Notes:

1. Book consumption tax for each research and development item including the tax amount. If foreign companies having a head office or research laboratories outside Japan need to pay the amount of tax equivalent to Japan's consumption tax in their home countries, book their expenses with the charge included. In such an event, calculate the expenses in yen, and note the exchange rate used in the margins.
2. The total project cost for a research and development period of ● years is suggested to book the research and development cost needed for the proposer to implement the research and development project.

4-2. Budget estimation

Write the estimated amounts of the expenses needed for research and development according to the expense line items specified in the calculation criteria for contract work expenses (<https://www.nedo.go.jp/itaku-gyomu/yakkan.html>).

(1) Summary table

Summarize the estimated amounts of the expenses needed for research and development. When developing your summary table, please use the sheet titled “4-2.(1) Summary Table” found in Attachment 2, and insert the developed summary table into the proposal itself. The pages may be oriented in the vertical or horizontal.

(2) A summary table of Entrustees, joint research contractors, and branch offices

Please develop a summary chart for each corporation depicting estimated expenses necessary for research and development.

a. The case of companies and others

Write the estimated amounts of the expenses needed for research and development according to the expense line items specified in the calculation criteria for contract work expenses (<https://www.nedo.go.jp/itaku-gyomu/yakkan.html>). When developing your summary table, please use the sheet titled “(2) Entrustee Summary Table (A. Businesses, etc.)” found in Attachment 2, and insert the developed summary table into the proposal itself. The pages may be oriented in the vertical or horizontal.

b. The case of national research and development agencies *1

**1: National research and development agencies and incorporated administrative agencies
In the case of a national research and development agency, prepare a summary table according to the calculation criteria of national research and development agencies. When developing your summary table, please use the sheet titled “(2) Entrustee Summary Table (B. National Research and Development Agency)” found in Attachment 2, and insert the developed summary table into the proposal itself. The pages may be oriented in the vertical or horizontal.*

Calculation Criteria for Contract Work Expenses (national research and development agencies): Refer to <https://www.nedo.go.jp/itaku-gyomu/yakkan.html>

c. The case of universities and others *2

**2: National university corporations, public universities, private universities, technical colleges, and inter-university research institute corporations.*

In the case of universities and others, prepare a summary list according to the calculation criteria for universities. When developing your summary table, please use the sheet titled “(2) Entrustee Summary Table (C. Universities, etc.)” found in Attachment 2, and insert the developed summary table into the proposal itself. The pages may be oriented in the vertical or horizontal.

Calculation Criteria for Contract Work Expenses (universities and others): Refer to <https://www.nedo.go.jp/itaku-gyomu/yakkan.html>

d. In the case of consumption tax-exempt business entities and others

In the case of consumption tax-exempt business entities and others, write a taxable amount depending on the content of the item.

Write the estimated amounts of the expenses needed for research and development according to the expense line items specified in the calculation criteria for contract work expenses. (<https://www.nedo.go.jp/itaku-gyomu/yakkan.html>). When developing your summary table, please use the sheet titled “(2) Entrustee Summary Table (D. Consumption Tax Exempt Business Operators, etc.)” found in Attachment 2, and insert the developed summary table into the proposal itself. The pages may be oriented in the vertical or horizontal.

(3) A summary table of Re-Entrusted Contractors and Joint Contractors

Prepare a summary table by applying mutatis mutandis the various sheets of Attachment 2, depending on the types of Re-Entrusted Contractors and Joint Contractors (companies, incorporated administrative agencies, universities, tax-exempt business entities, and so on). In this case, you do not need to write in the columns for Re-entrustment and joint performance costs, the amount borne by NEDO (inclusive), and the amount of consumption tax borne by NEDO (inclusive).

5. Similar research and development

5-1. Similar research and development supported by public funds which you are currently implementing or applying for, or attempting to apply for

If there are similar research and development supported by public funds which you are currently implementing or applying for, or attempting to apply for, explain the scheme,

research and development themes, and contents. (This includes Re-Entrusted Contractors and others.)

5-2. Similar research and development supported by private funds which you are currently implementing

After entrusting this research and development, if you will continue to implement your similar research in parallel, articulate the research outline and targets (such as performance). Explain that you are able to distinguish your similar research from the research (including Re-entrusted Contractors research) you want to be entrusted in this project.

If making a collaborative proposal, please obtain agreements from all representatives of each of the joint proposers in this form: "XXXX (representative name), 'XXXX (representative name),' and 'XXXX (representative name),"

6. Agreement on this contract

Upon signing the contract of this project Research and Development of ●●●●●, ●●●● (representative name ^(Note)) submits its written proposal after confirming the absence of any objection to the terms and conditions described in the contract (draft) NEDO presented. The contractor shall implement this contract work according to the paperwork manual NEDO presented.

Note: Write the name of the representative of the company or corporation.

In case you have doubts or questions on the contract, please attach the document describing such details of your doubts or questions.

4.2 (1) Summary table

(1) Summary table of Entire period

(Unit: yen, including consumption tax and local consumption tax)

Entrustee name	Re-Entrusted Contractor name, Joint Contractor name	N1 FY	N2 FY	N3 FY	N4 FY	N5 FY	Subtotal (N1~5 FY)	N6 FY	N7 FY	N8 FY	N9 FY	N10 FY	Subtotal (N6~10 FY)	Entire period total (N1~10 FY)
1. ●● Co., Ltd.		** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,
Re-entrustment (inclusive)	●● Co., Ltd.	(** ***)*1 ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,
Re-entrustment (inclusive)	National university corporation ●● University	(** ***)*1 ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,
Joint performance (inclusive)	Incorporated educational Institution ●● University	(** ***)*1 ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,
2. National university corporation ●● University		** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,
Re-entrustment (inclusive)	Incorporated educational Institution ●● University	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,	(** ***) ,
Total of research and development items (i) (1. + 2.)		** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,
Consumption tax and local consumption tax (10%) (inclusive)		** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,
The total amount borne by NEDO (inclusive)		** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,
The amount of consumption tax borne by NEDO (inclusive)		** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,	** *** ,

Notes:

1. Re-Entrusted Contractors and Joint Contractors need to write the amounts (including consumption tax) for Re-Entrusted Contractors and others in parentheses as part of the contract amount for Entrustees.

1. Book consumption tax for each research and development item including the tax amount. If foreign companies having a head office or research laboratories outside Japan need to pay the amount of tax equivalent to Japan's consumption tax in their home countries, book their expenses with the charge included. In this case, the amount shall be calculated in Japanese yen and its exchange rate shall be described outside of the summary table.

2. As a reference in preparing your proposal, the total project cost for a research and development period of ● years may be estimated by the initial budget of ●●00 million yen in FY●●●● x ● years as a rough idea. However, it is suggested to book the research and development cost needed for the proposer to implement the project along with the basic plan.

The budget may vary depending on the social and economic circumstances, the securing of research and development cost, and the like. Therefore, NEDO does not make a firm commitment to the size of the total investment cost.

4-2.(2) A summary table of Entrustees, joint research contractors, and branch offices

a. The case of companies and others

●● Co., Ltd.

(Unit: yen)

Item	N1 FY	N2 FY	N3 FY	N4 FY	N5 FY	Subtotal (N1~5 FY)	N6 FY	N7 FY	N8 FY	N9 FY	N10 FY	Subtotal (N6~10 FY)	Entire period total (N1~10 FY)
I. Machinery expenses	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
1. Civil engineering and construction costs	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
2. Machinery manufacture and purchase costs	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
3. Maintenance, modification, and repair costs	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
II. Labor cost	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
1. Labor cost of researchers	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
2. Labor cost of support staff	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
III. Other expenses	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
1. Expenses for consumables	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
2. Business trip expenses	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
3. Outsourcing cost	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
4. Miscellaneous expenses	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
Subtotal (I+II+III)	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
IV. Overhead expenses (Note 1)	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
V. Re-entrustment and joint performance costs (Note 2)	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
Total (I +II+III+IV+V) (Note 3)	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
Consumption tax and local consumption tax (10%) (Note 4)	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***
Grand total	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***	** ***

Notes:

- Calculate overhead expenses with respect to the total costs of I through III using 20% for small and medium enterprises and 10% for the others. The research and development partnerships and others that consist of two-thirds or more of small and medium enterprises shall be treated the same as small and medium enterprises. Set the overhead rate at 20%.
 - Book the cost of joint performance with a university in V. Re-entrustment and joint performance costs based on the university's calculation criteria. Write the amounts excluding consumption tax.
 - Write the total amount of items I through V excluding consumption tax as total expenses.
 - When the applicant is a consumption tax-exempt business entity, write the amount in d. The case of consumption tax-exempt business entities.
- * There are specific descriptions on the website of the National Tax Agency concerning whether you are a taxable or tax-exempt business entity with respect to consumption tax. It is determined based on various requirements, and if you are not sure, ask your licensed tax accountant.
- The projects that the central government or local governments conduct as a business related to the general account shall be treated the same as businesses by tax-exempt business entities.
- Refer to the contract work paperwork manual concerning expenses spent for Scientific and Technical Dialogue with the People (costs for outreach activities).
 - Labor cost of researchers, engineers, full-time working staff, and temporary working staff who engage in intellectual property management, international standardization, technical trend survey, advertisement, and other research and development may be charged.

4-2.(2) A summary table of Trustees, joint research contractors, and branch offices
b. The case of national research and development agencies

National Research and Development Agency ●●●●●

(Unit: yen)

Item	N1 FY	N2 FY	N3 FY	N4 FY	N5 FY	Subtotal (N1~5 FY)	N6 FY	N7 FY	N8 FY	N9 FY	N10 FY	Subtotal (N6~10 FY)	Entire period total (N1~10 FY)
I. Direct expenses	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
1. Expenses for supplies	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
2. Expenses for consumables	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
3. Expenses for labor	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
4. Expenses for light, heat, and water	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
5. Business trip expenses	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
6. Others	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
II. Overhead expenses ^(Note 1)	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
III. Re-entrustment and joint performance costs	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
Total (I. + II. + III.)	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
Consumption tax and local consumption tax (10%)	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****
Grand total	****	** ***	** ***	** ***	** ***	****	** ***	** ***	** ***	** ***	** ***	****	****

- Notes:
1. Calculate the overhead expenses of incorporated administrative agencies using 10% of I. Direct expenses. When allocating the overhead expenses needed for researchers who are working directly on the contract work, or the laboratories to which the researchers belong, you shall add 10% to the overhead rate described above.
 2. Refer to the contract work paperwork manual concerning expenses spent for Scientific and Technical Dialogue with the People (costs for outreach activities).
 3. Labor cost of researchers, engineers, full-time working staff, and temporary working staff who engage in intellectual property management, international standardization, technical trend survey, advertisement, and other research and development may be charged.
 4. Graduate students (doctoral course) qualified as Research Assistant may be registered as the researchers. Refer to the contract work paperwork manual (for universities and national agencies) in the details.

4-2.(2) A summary table of Entrustees, joint research contractors, and branch offices

c. The case of universities and others

●●●●● University

(Unit: yen)

Item	N1 FY	N2 FY	N3 FY	N4 FY	N5 FY	Subtotal (N1~5 FY)	N6 FY	N7 FY	N8 FY	N9 FY	N10 FY	Subtotal (N6~10 FY)	Entire period total (N1~10 FY)
I. Direct expenses	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)
1. Office supply expenses	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)
2. Personnel expenses, rewards	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)
3. Business trip expenses	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)
4. Others	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)
II. Overhead expenses ^(Note 1)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)
III. Re-entrustment and joint performance costs	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)
Grand total (I. + II. + III.) ^(Note 2)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)
Consumption tax and local consumption tax (10%) (inclusive)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)	** ***)

- Notes:
1. Calculate the overhead expenses of universities using 15% of I. Direct expenses. When allocating the overhead expenses needed for researchers who are working directly on the contract work, or the laboratories to which the researchers belong, you shall add 15% to the overhead rate described above.
 2. In the case of universities, write the amounts including consumption tax for I. through the grand total.
 3. Refer to the contract work paperwork manual (for universities and national agencies) concerning expenses spent for Scientific and Technical Dialogue with the People (costs for outreach activities).
 4. Labor cost of researchers, engineers, full-time working staff, and temporary working staff who engage in intellectual property management, international standardization, technical trend survey, advertisement, and other research and development may be charged.
 5. Graduate students of doctoral course may be registered as the researchers. Refer to the contract work paperwork manual (for universities and national agencies) in the details.

4-2.(2) A summary table of Entrustees, joint research contractors, and branch offices
d. In the case of consumption tax-exempt business entities and others

●● Co., Ltd.

(Unit: yen)

Item	N1 FY	N2 FY	N3 FY	N4 FY	N5 FY	Subtotal (N1~5 FY)	N6 FY	N7 FY	N8 FY	N9 FY	N10 FY	Subtotal (N6~10 FY)	Entire period total (N1~10 FY)
I. Machinery expenses	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
1. Civil engineering and construction costs	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
2. Machinery manufacture and purchase costs	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
3. Maintenance, modification, and repair costs	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
II. Labor expenses	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
1. Labor cost of researchers	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
2. Labor cost of support staff	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
III. Other expenses	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
1. Expenses for consumables	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
2. Business trip expenses	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
3. Outsourcing cost	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
4. Miscellaneous expenses	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
Subtotal (I+II+III)	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
IV. Overhead expenses (Note 3)	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?
Grand total (I + II + III + IV)	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?	** *** ?

Notes:

- There are specific descriptions on the website of the National Tax Agency concerning whether you are a taxable or tax-exempt business entity with respect to consumption tax. It is determined based on various requirements, and if you are not sure, ask your licensed tax accountant.
 The projects that the central government or local governments conduct as businesses related to the general account shall be treated the same as businesses by tax-exempt business entities. For this reason, you shall not book the amount equivalent to the consumption tax associated with the non-taxable transaction.
- Book the amounts excluding consumption tax for non-taxable items such as labor cost and overseas trip expenses, and book the amounts including consumption tax for the other taxable items.
- Calculate overhead expenses with respect to the total costs of I through III using 20% for small and medium enterprises and 10% for others.
 The research and development partnerships and others that consist of two-thirds or more of small and medium enterprises shall be treated the same as small and medium enterprises. Set the overhead rate at 20%.
- Refer to the contract work paperwork manual concerning expenses spent for Scientific and Technical Dialogue with the People (costs for outreach activities).
- Labor cost of researchers, engineers, full-time working staff, and temporary working staff who engage in intellectual property management, international standardization, technical trend survey, advertisement, and other research and development may be charged.

[●●month] [●●day], [●●year]

Plans for the commercialization of research and development results

(In the case of a joint proposal, describe these plans for each contractor.)

(Describe, to the extent anticipated, the effect this proposal will have toward the realization of enhanced economic activity in Japan, expressed in forms such as increases to domestic production and employment, exports, domestic and foreign license income, ripple and induction effects on domestic production, and convenience to Japanese citizens.)

Please do the same even if the proposal is being submitted by only universities and the like.

Company name ●●●● Co., Ltd.

1. Outline of the products, services, and others aimed for practical applications and commercialization

(1) Details

Describe how you will reflect the details of products, services, research and development results, among other factors, in these products and services.

(2) Limitations on production and implementation

With respect to the creation and implementation of products, services, and the like, please describe the status of the supply chain for necessary substances, and other elements, such as who the suppliers are (countries, businesses, production centers, etc.) and any limitations on supply.

(3) Applications (intended customers)

Write the expected sales routes (including countries and regions), customers, and others of these products and services. If these products and services may be used in other fields, explain the potential. If you are not going to pursue practical applications and commercialization on your own, explain in what forms you expect these products and services will be commercialized.

2. Approaches to practical applications and commercialization

(1) Plans for practical applications and commercialization

Explain the development plan (including development bases), business plan (including manufacturing bases), and ability to realize practical applications and commercialization that you will implement aiming for the practical applications and commercialization during the 10

years after the completion of this project period.

In addition to the technical development items to be conducted in this entrusted and joint research, if there are other technological development and product design items needed for successful practical applications and commercialization, describe their details and how you plan to achieve them.

(2) What brought you to considering practical applications and commercialization (motivation)
Explain the specific background of why you aimed for development for practical applications and commercialization.

Explain against what background you decided to aim for the practical applications and commercialization of your research and development based on research plans and business plans.

(3) The reasons why you believe this project will be successful as a business

Accurately describe this project's novelty, originality, competitive advantage, challenges expected toward practical applications and commercialization, possible solutions, and so on.

(4) What about the applicant's internal commitment to the plans for practical applications and commercialization

With respect to companies, explain the status of garnering the commitment of the applicant's internal persons in charge of related business units such as the sales department about the plans for practical applications and commercialization.

Furthermore, if this proposal comes from universities and other similar organizations, describe the development status, or the possibility of development, of a system of collaboration between divisions such as technological transfer divisions, as well as businesses, etc. that will handle the productization and service provision related to the developed technologies, as well as any plans you yourself have to start your own businesses for developing and providing such products and services, among other plans.

(5) Schedule for practical applications and commercialization

(1) *Based on the statements in Plans for practical applications and commercialization, explain your plans for the practical applications and commercialization expected during the 10 years after the completion of the project period by classifying them into specific stages of practical applications and commercialization such as production, sales, and market acquisition and by making each stage clear using bar charts, arrows, and symbols.*

If there is a plan for starting practical applications and commercialization during the project implementation period, describe the plan to begin in that fiscal year.

Forecast and explain serious problems that may require changes in the entire plans for each stage of practical applications and commercialization, such as interruptions and postponements. If serious problems are unavoidable, indicate in the line chart at what point you may decide on making a change in the plan. If you are not involved in all or part of the production and sales, accurately describe how to select the Re-Entrusted Contractors and how to cooperate with them.

(An example)

FY	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY
Product design	▲ XX design completed									
Equipment investment	▲ XX million yen							▲ XX million		
Production	▲ Sample shipments started				▲ Production started					
				▲ XX thousand units/month			▲ XX thousand units/month		▲ XX thousand units/month	
						▲ Production line 2 established				
Sales Revenue generation					◇ Continuation/ Judgement on interruption					
						▲ XX thousand units/month				
								▲ XX thousand units/month		

Forecasted serious problems:

Product design stage : -----

Equipment investment stage: -----

Production stage: -----

Sales stage: -----

3. Market trends and competitive strength

(1) Market size (present condition and future outlook)/New industry creation effect

Indicate the expected domestic and overseas market sizes (million yen) of the products and services aimed for practical applications, and describe the evidence. Write the market size at the following points: the present, the end of this project period, and 10 years after the end of this project period.

Without limiting the market size from the standpoint of the applicants, analyze the market size of the products developed using your research and development results.

Also, estimate the changes in the applicant's market share and show the supporting data.

Market size (Japan/overseas)	The applicant's market share (Japan/overseas)
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Example: Present	●●● million yen %
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At the end of the project period	●●● million yen %
----------------------------------	-------------------

The first year following the end of the project period (FY●●●●)	●●● million yen %
---	-------------------

The second year following the end of the project period (FY●●●●)	●●● million yen %
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The 10th year following the end of the project period (FY●●●●)	●●● million yen %
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Evidence of market size calculation: -----

Evidence of market share forecasts: -----

Notes:

1. The paper shall be JIS A4 in size and in the portrait position.

Research CV of the PM candidate and key researchers, young researchers, and female researchers

Research CV is used to examine research and development implementation systems (however, this excludes the provision of research CV under laws and regulations).
Fill out the PM Candidate Research CV (Form 1) for the PM candidate for submission.

Write the research career of key researchers associated with this project, such as re-entrustment research institutions including Entrustees, in the Key Researcher Research CV (Form 2) for submission.

Key researchers refer to registered researchers who become responsible persons for each research and development program item and become supervisory managers.

Fill out the numbers of young researchers and female researchers (Form 3) for submission.

Special instructions for filling out the forms

(i) Research representative of the institution

Appoint one research representative for each institution. (If there are several key researchers, appoint one of them as research representative.) Concerning the research representative, write *Applicable: 1* in the item of *Research Representative of the Institution*. (Write *Not Applicable: 2* for the other key researchers.)

(ii) Research and development career (including the current position)

Concerning their *past research performance (project participation)*, write not only independent projects in their companies but also *NEDO* research projects they participated in the past. Also, write temporary assignments at universities and work experience at other companies/research institutions.

(iii) Award-winning experience, key papers, the publication of research findings, patents, and others (including overseas patent applications) associated with this research and development in the last five years:

List research results associated with this research and development project.

The things that demonstrate research results include *theses (representative theses in their research career or fields of specialization, with theses without peer review by an academic society acceptable.)*, *the publication of research findings (even verbal presentations at a*

scholarly organization and symposiums are acceptable), and *patents (including overseas patent applications)*, but not limited to these. In this case, the positions of coauthors, joint presenters, or joint inventors are also acceptable.

* Unless otherwise specified, at least one of the theses, the publication of research findings, patents, and others should have descriptions about research results associated with this field. Researchers who lack such careers need to write the reason why their knowledge is essential in fulfilling this project in the item of *Others*. Technicians, analyzers, and technology trend surveyors who lack the experience in *theses, the publication of technical findings, patents, and others*, need to show the evidence that they have the skills and experience essential to this research.

Date of creating this CV:

Research CV of the PM candidate								
Name								
Phonetic subscript								
Date of birth, age, gender, and nationality								
<small>The research institution's e-Rad research institution code (ten-digit) (This information is essential for the research representative of the research institution.)</small>								
<small>e-Rad researcher number (eight-digit) (This information is essential for the research representative of the research institution. If e-Rad researcher numbers are unknown or unavailable for those persons other than the research representative, this information may be omitted.)</small>								
Affiliation								
Department								
Job title								
The institution's research representative <small>(Applicable: 1, Not applicable: 2)</small>								
Final academic background								
Academic degree								
Degree acquisition year								
Research and development career (*including the present position)								
	Year	-	Year	Details of research and development				
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
		-						
Award-winning experience (*[month] [year])								
	Year	Month		Sponsor name	<small>Award program name</small>	Award name	Award title	Remarks

Technical results and others associated with this research and development in the last five years (10 cases or less of major awards)											
Theses	Published year	Month		Primary author 1	Author 2	Author 3	Primary Title	Academic journal name	Volume (Vol.)	No.	Remarks
Publication of research findings	Publication year	Month		Sponsor name	Event name	Presenter	Presentation title				Remarks
Patent and others	Application year	Month	Day	Application number	Registration number	Invention name					Remarks
Others	Year	Month		Title	Free description						

This information may be used to examine research and development implementation systems. However, this excludes the provision of research CV under laws and regulations.

Date of creating this CV:

--

Research CV of key researchers				
Name				
Phonetic subscript				
Date of birth, age, gender, and nationality				
The research institution's e-Rad research institution code (ten-digit) <small>(This information is essential for the research representative of the research institution.)</small>				
e-Rad researcher number (eight-digit) (This information is essential for the research representative of the research institution. If e-Rad researcher numbers are unknown or unavailable for those persons other than the research representative, this information may be omitted.)				
Affiliation				
Department				
Job title				
The institution's research representative <small>(Applicable: 1, Not applicable: 2)</small>				
Final academic background				
Academic degree				
Degree acquisition year				
Research and development career (*including the present position)				
	Year	-	Year	Details of research and development
		-		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
Award-winning experience (*[month] [year])				

	Year	Month		Sponsor name	Award program name	Award name	Award title			Remarks	
Technical results and others associated with this research and development in the last five years (10 cases or less of major awards)											
Theses	Published	Month		Primary author 1	Author 2	Author 3	Title	Academic journal name	Volume	No.	Remarks
	year								(Vol.)		
Publication of research findings	Publication	Month		Sponsor name	Event name	Presenter	Presentation title			Remarks	
	year										
Patent and others	Application	Month	Day	Application	Registration	Invention name				Remarks	
	year			number	number						
Others	Year	Month		Title	Free description						
Roles to play in this research and development project											

This information may be used to examine research and development implementation systems. However, this excludes the provision of research CV under laws and regulations.

Filling out the numbers of young researchers (aged 40 or younger) and female researchers

The 5th Science and Technology Basic Plan (Cabinet Decision dated January 22, 2016) set forth the promotion of training and active participation in society for young researchers and female researchers. To promote these activities, *NEDO* requests you to write below the numbers of such researchers planning to participate in this project for submission. This information may be used to examine research and development implementation systems along with the research CV of the PM candidate and key researchers.

* The young researchers and female researchers who are registered by Entrustees are subject to this requirement. (This excludes Re-Entrusted Contractors and others.)

** The age should be as of April 1 of the fiscal year when this research will start.

Corporation name	The number of researchers aged 40 or younger (the number of female researchers (inclusive))	The number of researchers aged 41 or older (the number of female researchers (inclusive))
●●●● Co., Ltd.	3 (1)	10 (2)
●● University		

*Add lines as needed.

The status of certification regarding work-life-balance promoting companies

On March 22, 2016, the Headquarters for Creating a Society in which All Women Shine approved *the Guidelines for Utilization of Public Procurement and Subsidies towards the Promotion of Women's Advancement*. To drive initiatives to realize work-life balance in the entire society, which is a precondition for women's advancement, the guidelines stipulate a new scheme by which work-life-balance promoting companies are given additional points more extensively in scoring auction-based projects under Article 20 of Act on Promotion of Women's Participation and Advancement in the Workplace. Concerning the Entrustees described in the implementation system of your written proposal, based on the Guidelines, you need to describe the status of certification under the Women Empowerment Act (Eruboshi certification), certification under the Act for Measures to Support the Development of the Next Generation (Kurumin certification and Platinum Kurumin certification), and certification under the Youth Employment Promotion Act (Youth Yell certification).

Subject entities: Entrustees described in the written proposal (excluding foreign businesses as well as re-entrustment and the like)

* As of the time when you submitted a written proposal.

Corporation name	The number of full-time workers	The status of certification and the date of acquiring a certification (write None in the absence of any certification)
●●●● Co., Ltd.	●● persons	Eruboshi Certification Stage 1 ([●month] [●day], [●year])
●●●● Co., Ltd.	●● persons	Eruboshi Certification Action Plan ([●month] [●day], [●year]) Youth Yell Certification
●● University	●● persons	Platinum Kurumin Certification ([●month] [●day], [●year])

* Add lines as needed.

* *NEDO* may request you to submit the evidence and others.

Certification of entities subject to additional points

(Reference: Special Feature on the Women Empowerment Act

(<https://www.mhlw.go.jp/stf/seisakunitsuite/bunya/0000091025.html>)

Classification of certifications and others	
Certification based on the Women Empowerment Act (Eruboshi Certification)	Stage 1* ¹
	Stage 2* ¹
	Stage 3
	Action plans* ²
Certification based on the Act for Measures to Support the Development of the Next Generation (Kurumin Certification and Platinum Kurumin Certification)	Kurumin (old standards)* ³
	Kurumin (new standards)* ⁴
	Platinum Kurumin
Certification based on the Youth Employment Promotion Act (Youth Yell Certification)	

*1 You need to satisfy the standards concerning *Work Style Reform, including Shorter Working Hours*.

*2 Only for business owners with no obligations to the formulation of action plans (the number of full-time workers is 300 or less, but only in the case where the business owners formulated action plans have not been completed).

*3 Old Kurumin certification marks (certified by the certification standards before the revision or transitional measures for the amended Article 2 (3) of the Supplementary Provisions of the Ministerial Order).

*4 New Kurumin certification marks (certified based on the certification standards after the revision (enforced on April 1, 2017)).

To all proposers

National Research and Development Agency New Energy and Industrial Technology
Development Organization (NEDO)

Filling out the questionnaire to survey achievements in *NEDO* research and development projects

New Energy and Industrial Technology Development Organization (NEDO) may conduct this survey on the implementation of research and development projects to understand technical results better, improve research management practices, and reflect the findings in future technology development strategies. Please submit the questionnaire in the following procedure.

NEDO shall treat the survey results within the organization under close supervision. When there is a need to disclose the information in public, *NEDO* shall pay careful attention by processing the data statistically so that the names of companies involved shall not be identified.

Please be sure to submit this questionnaire because *NEDO* shall utilize these survey results for adoption examination.

Notes

Subject entities	<p>Subject entities are only companies of all the implementers (including Re-Entrusted Contractors and Joint Contractors) that are included in the implementation system described in the written proposal. Concerning research and development partnerships, subject entities are only companies of all the corporations that constitute the partnerships.</p> <p><i>NEDO</i> may request each corporation to submit the questionnaire once in each fiscal year. If you submitted the questionnaire when applying for the public call of other <i>NEDO</i> projects, check off the column for questionnaire submission.</p>
Subject projects	<p>Subject projects are the <i>NEDO</i> research and development projects that subject entities implemented in the past (including Re-Entrusted Contractors and Joint Contractors).</p> <p>However, subject projects are projects implemented in the past 15 years (including those of the former government-affiliated corporations).</p> <p>The projects for which you submit a report on the status of corporatization to</p>

	<i>NEDO</i> in the same fiscal year and the projects for which you reply as part of follow-up surveys are excluded. (Refer to supplemental QAs)
How to fill out the form	<p>Fill out the questionnaire</p> <p>When there are five or more subject projects, subject entities need to select the five most commendable projects (per entity) from the standpoints of sales and the utilization of technical results.</p> <p>Make duplicate copies of the questionnaire to fill out each subject entity and project.</p> <p>Special instructions for filling out the forms</p> <ul style="list-style-type: none"> ● Definitions of practical applications <p>The preparation of samples for customer evaluation (certification), the implementation of production prototyping, the installation of production lines, cost calculation, product lineups (listed in catalogs), the generation of continuous sales, and so on.</p> <ul style="list-style-type: none"> ● Others that may be recognized as <i>NEDO</i>'s technical results <p>Technical results include not only direct accomplishments but also positive ripple effects, derivative technologies, intellectual property licenses, technology transfers, and so on.</p>
How to submit the forms	Please submit the forms for each subject entity no later than the closing date of the public call.
Contact information for inquiries and place of submission	The same as for written proposals.
Others	<i>NEDO</i> may contact you to ask questions about what you described.

End

(Form 4)

The questionnaire to survey achievements in *NEDO* research and development projects

- Make copies of this form to fill out for each company.
- If there are a lot of achievements, write in the order of the most effective ones (up to five).
- You may submit this questionnaire directly to *NEDO* separately from your written proposal.

1. The project you propose this time	●● Project
2. Company name	●●●● Co., Ltd.
3. Conditions for exemption from descriptions	<p>Check off the following items if applicable_ You do not need to write in the column of past implementation performance.</p> <p><input type="checkbox"/> There was no participation in <i>NEDO</i> projects in the past 15 years.</p> <p><input type="checkbox"/> You already submitted this questionnaire for other <i>NEDO</i> projects in the same fiscal year.</p> <p>(The name of projects you applied for: ●● technical development, public call period: [●month] [●day], [●year] to [●month] [●day], [●year])</p>
4. The most recent report	<p><input type="checkbox"/> You already reported in a similar survey (the survey name: Survey on ●●)</p> <p><input type="checkbox"/> You already reported in a follow-up survey in the same fiscal year (*within six years after the completion of the project)</p> <p>(The name of the project: P00000 ●● Technical Development)</p> <p><input type="checkbox"/> You already submitted a report on the status of corporatization (or a report on the status of practical applications) in the same fiscal year.</p> <p>(* Within six years after the completion of a grant project*¹, and within 11 years or 16 years after the completion of a key technology research promotion project)</p> <p>(The name of the scheme: ●● Project)</p>
5. Accomplishments in the past project implementation (i)	<p>* You need to describe your technical results in <i>NEDO</i> projects conducted in the past 15 years. You do not need to write about this item at all if it falls under “3. <i>Conditions for exemption from descriptions</i>”. You also do not need to describe the projects described in “4. <i>The most recent report</i>”. If it falls under one of the above two, but if you made any changes to the report, you may want to write about this item. (Technical results include not only direct accomplishments but also positive ripple effects, derivative technologies, intellectual property licenses, technology transfers, and so on.)</p> <ul style="list-style-type: none"> ● The name and number of the project: P00000 ●● Technical Development) ● Project implementation period: From FY ●● to FY●● ● The status of the technical results and practical applications the project created

	<p>(Example) The ●● technology that this project developed is utilized as ●● of product ●●.</p> <ul style="list-style-type: none"> • ●● is being produced utilizing the ●● technology that this project developed. • The patent concerning ●● acquired through this project is licensed to other companies. ● The names of the products that utilize technical results from this project. ● The latest sales amount: ● Others (social benefits, CO₂ reductions, and job creation, and so on.): ●● Contact information of the person making the entry <p><input type="checkbox"/> The same as for the proposer.</p> <p><input type="checkbox"/> The others</p> <p>Affiliation/name Address:</p> <p>Phone: E-mail:</p>
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(Points to be considered)

*1: Subject grant projects:

- Welfare equipment practical development promotion projects
- Industrial technology practical development grant projects
- University-launched practical research and development projects
- Medical equipment contributing to the extension of people's healthy life expectancy
- Practical development of livelihood support equipment and the like
- Companies that are receiving grants for the projects to which the subsidy delivery regulation for problem solving-type industrial technology development is applied (see the lower part of the linked page at the following URL)

https://www.nedo.go.jp/itaku-gyomu/hojo_josei_manual_manual.html

- *NEDO* shall closely supervise the information received from you. When there is a need to disclose the information in public, *NEDO* shall process the data statistically so that the names of companies involved shall not be identified.

Supplementary matters to *the questionnaire to survey achievements in NEDO research and development projects*

Q. Who are subject entities?

A. Subject entities are all the companies included in the project implementation system described in the written proposal.

Re-Entrusted Contractors and Joint Contractors are also included.

In the case of research and development partnerships, subject entities are the companies that constitute the partnerships.

In the case of “*There was no participation in NEDO projects in the past 15 years*” or “*You already submitted this questionnaire for other public call in the same fiscal year*”, you do not need to write “*5. Accomplishments in the past project implementation*”. In cases other than the above two, you do not need to write about the projects described in “*4. The most recent report*”. If it falls under one of the above two cases, but if you made any changes to the report, you may want to write about “*5. Accomplishments in the past project implementation*”.

Q. What are the subject *NEDO* research and development projects implemented in the past?

A. Subject entities include not only the direct contractors for *NEDO* research and development projects in the past 15 years but also those who participated in these projects as Re-Entrusted Contractors and Joint Contractors. (Introduction and dissemination projects, model projects, and demonstration projects are not included in subject entities.) When there are five or more project items, subject entities need to select the five most commendable projects from the standpoints of sales and the utilization of technical results.

The projects for which you reply as part of *NEDO*'s follow-up surveys conducted in the same fiscal year and the projects to which you submit to *NEDO* a report on the status of corporatization (or a report on the status of practical applications) are excluded. Specifically, you do not need to respond to the matters that fall under the following two points.

(i) Projects subject to follow-up surveys

- Of the research and development projects completed in the past six years, the projects which you responded in a follow-up survey conducted in the same fiscal year.

(ii) The projects which you respond in a report on the status of corporatization (or a report on the status of practical applications) in the same fiscal year.

- Key technology research promotion projects

* Of the following projects, the projects that were completed in the past six years.

- Welfare equipment practical development promotion projects

- Industrial technology practical development grant projects

- Medical equipment contributing to the extension of people's healthy life expectancy

- Practical development of livelihood support equipment and the like

- University-launched practical research and development projects

- Companies that are receiving grants for the projects to which the subsidy delivery regulation for problem solving-type industrial technology development is applied

Reference: A list of grant projects for problem solving-type industrial technology development

https://www.nedo.go.jp/itaku-gyomu/hojo_josei_manual_manual.html

If it falls under one of the above, but if you made any changes to the report, you may want to write about this item.

Q. Tell us about the names of projects

A. When a product utilizes technical results obtained from multiple *NEDO* projects, fill in the name of the project that was funded mostly by *NEDO* in the column of *Project name*. Write the names of the other projects in the column of *Remarks*.

Q. What should we do if we do not know the names of projects that we implemented?

A. Please respond based on the information you have.

Q. How should we respond about the product names and sales amounts of subject entities other than companies?

A. Concerning subject entities not involved in production and sales on their own, please respond based on the information you have.

Q. How should we respond about the status of the utilization of technical results?

A. Please describe *what kinds of technical results* from *NEDO* projects are used for *what kinds of products* (see below) in *what kinds of forms* (parts, processes, and the like).

Please describe not only the direct utilization of *NEDO's* technical results for the products you are manufacturing but also the indirect use of them, such as licensing intellectual property.

Q. Tell us about the names of the products that utilize *NEDO's* technical results

A. If you are utilizing *NEDO's* technical results for the product you are manufacturing, write the name of the product.

If you are utilizing *NEDO's* technical results for another company's products, write the name of the product. However, if you are unable to obtain approval from the manufacturer, you may write the name of the product type (LCD TVs, refrigerators, etc.).

Q. Tell us about the definition of *the products that utilize NEDO's technical results*

A. Those products are end products (goods and services that create social and economic benefits) for which technical results from *NEDO* projects are utilized in some way. However, if it is difficult to understand how *NEDO's* technical results are utilized because you are not manufacturing the end products on your own, or because the end products are versatile, you may describe intermediate goods such as components.

Q. What is the definition of product sales amount?

A. Write the sales amount of *the products that utilize NEDO's technical results*. In this case, a ballpark number of the sales amount is acceptable. Indicate that the sales amount represents only domestic sales, or it includes overseas sales.

Q. How should we submit the questionnaire?

A. Please submit it no later than the closing date of the public call.

When submitting the questionnaire, from the standpoint of preventing information leakage between project implementers, each subject entity needs to submit it separately, or each subject entity needs to put it in an envelope for submission together with the written proposal.

Q. Tell us about the survey results?

A. *NEDO* shall not disclose this questionnaire to outside parties and shall treat the information for selecting project implementers under close supervision. (*NEDO* shall not disclose it to the external experts who conduct a preliminary examination, either. This information shall be used only in *NEDO's* internal Contract/Grant Examination Committee.)

When there is a need to disclose the information in public, *NEDO* shall pay careful attention by processing the data statistically so that the names of companies involved shall not be identified.

Proposal document receipt certificate (*NEDO's* copy)

Proposal document receipt number

Written Proposal for the Moonshot Research and Development Program/Realization of sustainable resource circulation to recover the global environment by 2050

Research and development project

Research and Development of ●●●●●

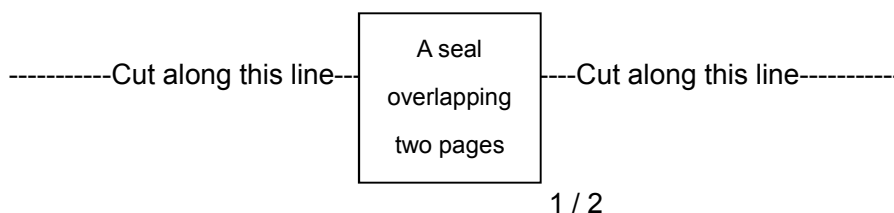
[●month] [●day], [●●year]

Representative proposer name: ●●●●● Co., Ltd.

Receipt documents:

- Written proposal and proposal summary 12 copies (one original copy and 11 duplicate copies)
- One copy of your company profile (descriptions about your organization such as company history, business units, and research centers).
- One copy each of the most recent business report and financial statements for the past three years (balance sheet, income statement, and cash flow statement)

- 12 copies of PM Candidate Research CV
- 12 copies of Key Researcher Research CV
- 12 copies of Filling out the numbers of young researches (aged 40 or younger) and female researchers
- One copy of The status of certification regarding work-life-balance promoting companies
- One copy of The questionnaire to survey achievements in *NEDO* research and development projects (only for companies)
- One copy of the written proposal for e-Rad application
- Electronic file of the proposal (CD-R or DVD-R)



Proposal document receipt number

Written Proposal for the Moonshot Research and Development Program/Realization of sustainable resource circulation to recover the global environment by 2050

Research and development project “*Research and Development of ●●●●●*”

Proposal document receipt certificate (the proposer’s copy)

[●month] [●day], [●●year]

Company name

The name of person in charge:

NEDO receipted your written proposal.

National Research and Development Agency New Energy and Industrial Technology
Development Organization (NEDO)

Moonshot Research and Development Program Promotion Office, Innovation Promotion
Department seal

Disclosure of information about research contracts

Concerning the contracts that incorporated administrative agencies conclude, following the requirement stipulated in the *Basic Policy on the Review of Administrative and Business Operations of Incorporated Administrative Agencies* (Cabinet Decision dated on December 7, 2010), when an incorporated administrative agency concludes a contract with a corporation that has a specific level of relationship with the agency, the agency shall make every effort to disclose the status of re-employment to the corporation and the state of business transactions between the parties.

Based on these general rules, *NEDO* may disclose the information about the relationship between you and *NEDO* on its website, as shown below. Therefore, please make a bid, or apply for this public call, by agreeing to the needs to provide necessary information to *NEDO* and to publicize such information. Your understanding and cooperation will be appreciated.

Please note that NEDO regards your making a bid or applying for this public call as your consent to these requirements.

(1) Contractors subject to publication

Those contractors are companies that fall under all of the following matters.

- (i) The contractors at which persons who experienced the position of an executive director at *NEDO* (ex-executive directors) gained re-employment, or the contractors at which persons who experienced the position of director or the equivalent or higher at *NEDO* (ex-director or the equivalent or higher) gained re-employment as officers and special advisors.
- (ii) The contractors whose volume of business with *NEDO* accounts for one-third or more of their total sales or operational revenue.

(2) Information to be publicized

As well as the name and quantity, contract closing date, contractor name, contract amount, and others of goods and services for each contract, *NEDO shall* disclose the following information about the contractors that fall under the above items.

- (i) The number, job title, and final job title of *NEDO's* ex-officers and ex-section manager or the equivalent or higher (ex-*NEDO* employees).
- (ii) The volume of business with *NEDO*

(iii) The ratio of the volume of business with *NEDO* in their total sales or operational revenue that fall each of the followings;

1/3 or more and less than 1/2, 1/2 or more and less than 2/3, or 2/3 or more.

(iv) One bidder or one applicant

(3) The information you need to provide to *NEDO*

(i) The information about ex-*NEDO* employees who are working at the contractor as of the contract closing date (such as the number of the employees, present job title, and final job title at *NEDO*)

(ii) Total sales/operational revenue and the volume of business with *NEDO* in the most recent fiscal year

(4) Date of publication

Unless otherwise specified, within 72 days after the day following the contract closing date (within 93 days for contracts closed in April)

The representative proposer shall make this proposal summary **in Japanese**. This material may be publicized in case of adoption.

提案書要約版

別添11

【研究開発プロジェクト名】 ○○○○の開発

【PM候補者名】 ○○ ○○ (所属)

【提案者名】 ○○○株式会社

(共同提案者、再委託先がある場合は、併記すること。)

【期間 (予算)】 2020年度～○○年度 (○○百万円) (億円単位、全期間の合計額)

【最終目標 (2029年度)】 □□□□ (研究期間が10年未満を予定している場合は変更ください)

【研究開発概要】

図を用いて実現を目指す資源循環と開発内容を分かり易く示してください。

※当資料はパワーポイント (日本語) で作成してください。

※当資料は1頁に纏めてください。

※採択時に公表する可能性があります。

(Reference material 1)

Outline of follow-up surveys and evaluations

This reference material describes the overview of *NEDO's* follow-up surveys and evaluations. To better understand the status of the utilization of technical results obtained from *NEDO* projects and their social and economic benefits and to improve *NEDO's* operational management, *NEDO* is conducting follow-up surveys and evaluations for completed *NEDO* projects. The need for your cooperation in these follow-up surveys and evaluations is described in the contract general conditions or the cooperation items and survival clause of the subsidy delivery regulation.

The following is the contact information for inquiries about these follow-up surveys and evaluations.

Contact information for inquiries about follow-up surveys and evaluations.
--

Contact information for inquiries about follow-up surveys and evaluations.
--



New Energy and Industrial Technology Development Organization (<i>NEDO</i>)

Evaluation Department

Phone: 044-520-5161

Fax: 044-520-5162

Procedures for follow-up surveys and evaluations

<p>The fiscal year following the completion of this project</p> <p>A survey immediately after the completion of this project</p>	<p>A questionnaire survey on the state of progress of research and development and the management of <i>NEDO</i> project implementation</p> <ol style="list-style-type: none"> 1) Research and development stages (research, development, productization, commercialization, cancellation, and interruption) 2) The technical results and effects obtained from project implementation (the degree of achievement of technical results, schedules for productization and practical applications, standardization, etc.) 3) Project management at the time of participation, during the project, and immediately after the completion of the project
	
<p>After two, four, and six years</p> <p>Simplified follow-up surveys</p>	<p>A questionnaire survey on the status of the progress of the research and development after the completion of the project.</p> <ol style="list-style-type: none"> 1) Research and development stages (research, development, productization, commercialization, cancellation, and interruption) 2) Effects of project implementation (sales, positive ripple effects, standardization, etc.)
	
<p>The fiscal year following the completion of this project</p> <p>After two, four, and six years</p> <p>Detailed follow-up surveys *only for companies</p>	<p>As a result of a survey immediately after the completion of the project and a simplified follow-up survey, a detailed survey may be conducted for the companies that newly reached productization/commercialization stages and the companies that ended up with cancellation/interruption (through questionnaires, and hearings if needed).</p> <ol style="list-style-type: none"> 1) Detailed understanding of technical results (productization and commercialization cases, derivative technologies, etc.) 2) The background of the project having reached productization and commercialization and cancellation and interruption. 3) Project management at the time of participation, during the project, immediately after the completion of the project, and after the completion.
<p>Follow-up evaluations</p>	<p>The evaluation of effects obtained from <i>NEDO</i> projects and points to be improved</p>

	<p>Approach: Evaluation by Research Evaluation Committee and Section Meetings</p> <p>Viewpoints:</p> <ol style="list-style-type: none"> 1) The fulfillment of accountability to the people. 2) Improvements in <i>NEDO's</i> operational management 3) The reflection of findings in technical development strategies
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<p>Survey periods</p> <p>Unless otherwise specified, the status of this project shall be surveyed for five years after the completion of this project (a six-year-long survey).</p> <p>Depending on the project, NEDO may continue to survey the status for over six years.</p> <p>Entities subject to surveys</p> <p>The institutions that participated in the project funded by NEDO (Entrustees, grantees, Re-Entrusted Contractors, etc.). If the institution is made up of multiple institutions (such as research and development partnerships), each of the constituting institutions is also subject to surveys.</p> <p>The institutions that left from the project implementation system before the completion of the project are also subject to surveys.</p> <p>If a third party took over the project's technical results that an institution subject to surveys held (as a result of a merger between corporations, business succession, and others), the institution that took over the technical results shall be subject to surveys.</p>
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Supplementary matters to *follow-up surveys and evaluations*

Q. What are follow-up surveys and evaluations?

A. To understand the consequence of technical results from *NEDO* projects, *NEDO* is conducting questionnaire surveys and hearing surveys for the project implementer on the trends in the five years after the completion of the project (six years for reviews). These activities are called follow-up surveys. These are not activities for *NEDO* to evaluate the projects the implementer has developed after the completion of this project.

Q. Which projects are subject to follow-up surveys and evaluations?

A. Research and development projects are subject to these follow-up surveys and evaluations, with international demonstration projects and introduction and dissemination projects excluded.

Even if they are the implementers of research and development projects, the institutions that fall under the following items are not subject to these surveys.

(i) Projects having only a small number of research and development factors. For example, the institutions that conducted LCA assessments and market surveys.

(ii) Subcontractors, contractors, and the like.

(iii) The institutions that *NEDO* is not entrusting or subsidizing for research and development (the institutions to which *NEDO's* committee meeting members belong, the institutions to which *NEDO* provides samples, and the institutions to which *NEDO* provides research corporation such as advice and others).

Q. For what are these surveys conducted?

A. People's tax funds *NEDO* projects. *NEDO* is accountable for explaining the outcome to people by understanding the economic and social benefits created by *NEDO* projects. Additionally, *NEDO* is conducting these surveys to improve its technical development management and reflect findings in its technological development strategies.

Q. What should we do specifically?

A. When the project is over, please advise your person responsible for follow-up surveys. In the first, second, fourth, and sixth year after the completion of this project, *NEDO* will send e-mails to that person with a request for a questionnaire survey. Please reply to the questionnaire on the *NEDO* website.

When you successfully achieve productization and commercialization, and when you cancel or interrupt the project, *NEDO* may request you to receive a detailed follow-up survey and hearing survey to check the status and causes (for a part of companies).