

# **Guidelines for applying to the “Project of Decommissioning and Contaminated Water Management (Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures)” in the FY2014 Supplementary Budget**

Date: June 23, 2015

Management Office for the Project of Decommissioning  
and Contaminated Water Management

The Management Office for the Project of Decommissioning and Contaminated Water Management (hereinafter called “PMO”) solicits entities to implement with subsidies the "Subsidy Project of Decommissioning and Contaminated Water Management (Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures)" in the FY2014 Supplementary Budget. Details of the project are stipulated in these Guidelines; furthermore, the procedures for implementation of the project are stipulated in the “Grant Policy for Subsidy for the Project of Decommissioning and Contaminated Water Management.”

## 1. Purpose of Project

In this project, the projects which will support development of technologies contributing to decommissioning and contaminated water management of Fukushima Daiichi Nuclear Power Station of Tokyo Electric Power Company will be conducted based upon the “Mid-and-Long-Term Roadmap towards the Decommissioning of TEPCO's Fukushima Daiichi Nuclear Power Station” (hereinafter called “Mid-and-Long-Term Roadmap”), so that the decommissioning and contaminated water management of Fukushima Daiichi Nuclear Power Station can be implemented smoothly and the level of science and technology in Japan can be enhanced.

## 2. Contents of Project

In order to retrieve fuel debris and internal structures in the process of decommissioning of Fukushima Daiichi Nuclear Power Station, the following projects were implemented last year:

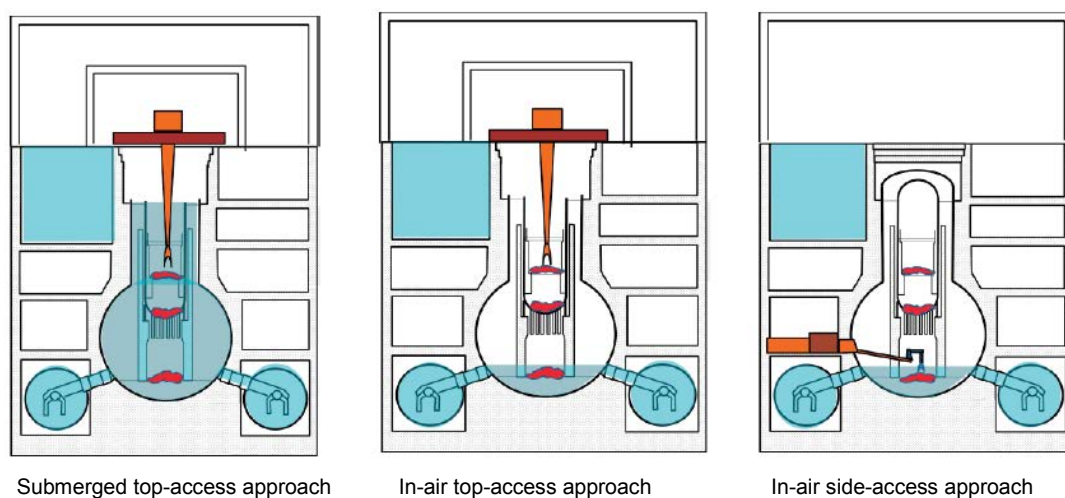
(1) Development of technology for retrieval of fuel debris and internal structures mainly focusing on the technology deploying submerged approach;

(2) Conceptual study of innovative approach for fuel debris retrieval and feasibility study including the approach deployed in air; and

(3) Consideration of feasibility of the elemental technologies supporting the above-mentioned item (2) (cutting and dust collection technology, as well as visual imaging technology and measurement technology).

The Mid-and-Long-Term Roadmap stipulates that fuel debris retrieval approaches of each unit will be determined in around two years. In consideration of this schedule and based upon “Plan of technical strategy for decommissioning of TEPCO's Fukushima Daiichi Nuclear Power Station -

toward Mid-and-Long-Term Roadmap 2015” by the Nuclear Damage Compensation Facilitation Corporation (NDF), in this project the following contents will be conducted: organization of plants information aimed at determination of the approach for retrieval of fuel debris and internal structures, consideration of the approach, system and equipment for retrieval of fuel debris and internal structures, and planning of development of retrieval system and equipment for the following three approaches, i.e. the submerged top-access approach, the in-air top-access approach and the in-air side-access approach as fuel debris retrieval approaches (Refer to Figure 1).



Source: “Plan of technical strategy for decommissioning of TEPCO's Fukushima Daiichi Nuclear Power Station - toward Mid-and-Long-Term Roadmap 2015” by the Nuclear Damage Compensation Facilitation Corporation (NDF), April 30, 2015

Figure 1: Outline of approaches of fuel debris retrieval

In principle, entity of comprehensive proposal must implement all of the items. Entities of partial proposal are to implement consideration of retrieval approach, system and equipment in item (2) for one of the three approaches (Refer to Table 1)

Table 1 Project Scope

	Project Scope	Cooperation between entities*
Entity of comprehensive proposal	<ul style="list-style-type: none"> <li>As a general rule, to implement all of the items, (1) (2) (3) and (4)</li> </ul>	<ul style="list-style-type: none"> <li>At the commencement of the project, to establish the comprehensive plan (of consideration conditions, upgrading target) including approaches to be considered by entities of partial proposal</li> <li>To organize the entire results of the considerations of the approaches including the results from entities of partial proposal</li> </ul>
Entity of partial proposal	<ul style="list-style-type: none"> <li>To implement item (2) for one of the following three approaches: i.e. the submerged approach, the in-air top-access approach and the in-air side-access approach</li> <li>To implement [3] through [10] of item (4)</li> </ul>	<ul style="list-style-type: none"> <li>To assist the entity of comprehensive proposal so that they can establish the entire plan and report the result through sharing information on consideration conditions, targets of upgrading, feasibility of the approaches, etc.</li> <li>To discuss the adoptability of feasibility of approaches in the future (including technical matching, dealing with commercial issues and IP) with entity of comprehensive proposal, and report the result in interim report and results report</li> </ul>

\*The PMO will coordinate and support the cooperation, if needed.

(1) Organization of plant information for selection of the approach for retrieval of fuel debris and internal structures

The up-to-date information and data of the plants, etc. necessary for selection of the approach for retrieval of fuel debris and internal structures must be organized. This item is to be implemented by entity of comprehensive proposal.

(2) Consideration of approach, system and equipment for retrieval of fuel debris and internal structures

Consideration of approach, system and equipment for retrieval of fuel debris and internal structures for one of the following three approaches: i.e. the submerged top-access approach, the in-air top-access approach and the in-air side-access approach must be implemented. Entity of comprehensive proposal are to implement the following items i), ii) and iii) for every three approach. Entities of partial proposal are to implement items i), ii) and iii) for one of the three approaches.

i) Consideration of feasibility of different approaches

Consideration of feasibility of different approaches and comprehensive consideration must be conducted. Entity of comprehensive proposal must consider the feasibility of all three

approaches and implement comprehensive consideration in collaboration with entities of partial proposal. Entities of partial proposal must consider the feasibility of one of the three approaches, and offer the necessary information for feasibility of the approach to the entity of comprehensive proposal.

① Consideration of detailed steps of an approach

Consideration of detailed steps of an approach, clarification and organization of challenges and risks, and consideration of response to them must be conducted. The contents of the consideration must include the following points:

- Requirements of conditions of environmental radiation dose in activities in consideration of feasibility of preparation work of the approach. The contents must take the current dose and the feasibility into consideration
- Consideration of pressure management in activities for fuel debris retrieval (including requirements of PCV repair)
- Consideration of measures for hydrogen produced in activities
- Consideration of rough volume of necessary equipment for realization of the activities
- Consideration of rough time period necessary for commencement of preparation for fuel debris retrieval
- Consideration of rough time period necessary for fuel debris retrieval activities
- Consideration of equipment maintenance and handling of storage cans of fuel debris

② Consideration of large equipment needed for the approach

Rough consideration of weight and dimensions of large equipment such as cell, platform, crane, etc. which can influence soundness of the building, and consideration of feasibility of accommodating each equipment and system must be conducted.

③ Establishment of the plan for realization of the approach

Development of a plan for realization of the approach and a plan of the necessary technologies must be conducted for the approach to the subject of study.

ii) Consideration of system

Conceptual design of the system must be conducted for the judgment of feasibility of the three approaches. Entity of comprehensive proposal must consider all three approaches. Entities of partial proposal must consider one of the three approaches.

① Consideration of safety of the whole system

Points to be considered from the viewpoint of safety of the whole system for the fuel debris retrieval approach (extraordinary events to be supposed and their countermeasures) must be established.

② Consideration of feasibility of the system

Consideration of feasibility which covers all of the system composing the fuel debris retrieval approach must be conducted. This consideration must include confirmation of the

situation of PCV repair and include the contents which can enable foreseeing the feasibility. The consideration must include the following contents:

- Specifications of equipment composing the system
- Whether or not equipment composing the system can be installed in the existing buildings, otherwise, what measures would be needed
- Consideration of rough weight of equipment and machinery composing the system for the purpose of evaluation of soundness. The consideration must include the system corresponding to the following parts (Refer to Figure 2)
  - Circulating water cooling system\*
  - Pressure management system
  - Radioactive dust processing system
  - Criticality management system

\* Regarding circulating water cooling system in submerged approach, the results acquired through another project “Development of repair of PCV leakage and water stop technology” must be taken into account.

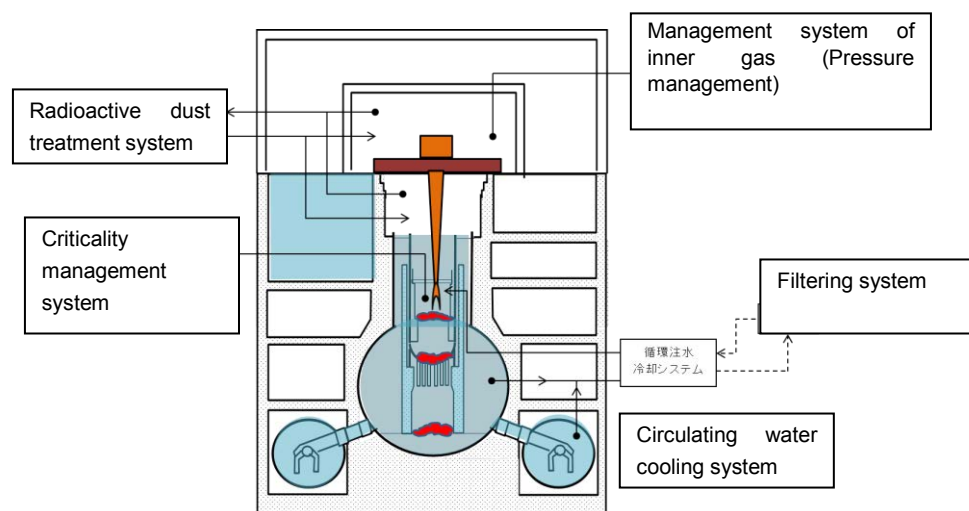


Figure 2 Image of targets of system soundness evaluation

### ③ Planning of system consideration

System consideration plan for realization of the approaches must be established for the approach to the subject of study. The plan must include necessary development plan.

### iii) Consideration of equipment

Design and development planning of retrieval equipment (Refer to Figure 3) must be conducted for each of the three approaches. Entity of comprehensive proposal must consider all three approaches. Entities of partial proposal must consider one of the three approaches.

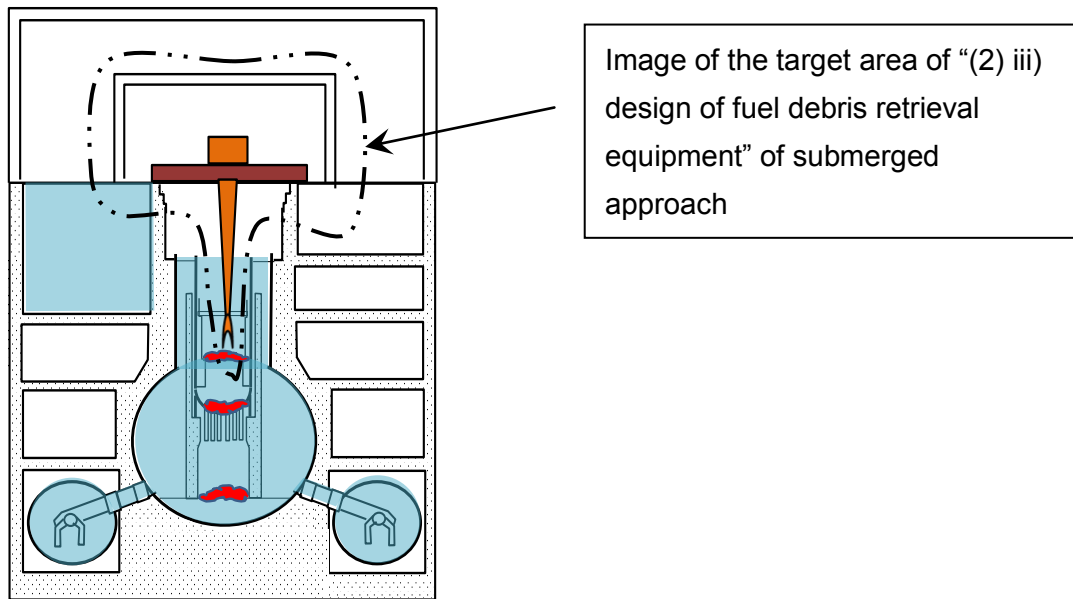


Figure 3 Image of fuel debris retrieval equipment

① Design of retrieval equipment

Design for upgrading of the equipment which cuts fuel debris and retrieves them must be conducted for each of the three approaches. Furthermore, the following viewpoints must be considered:

- Consideration of measures for enhancement of radiation resistance and capability of maintenance of the equipment
- Consideration of enhancement of activities' efficiency of fuel debris retrieval
- Consideration of setup of fuel debris retrieval equipment and storage cans, as well as setup of detection equipment for criticality management
- Consideration of equipment for recovery of radioactive dust around the equipment

② Planning of development of retrieval equipment

Development plan of equipment until commencement of activities for fuel debris retrieval must be established based upon the design for the approach to the subject of study. The plan must include test planning of development of constituent elements of the equipment.

In considerations of above-mentioned approach, system and equipment, the following conditions must be observed. The considerations done by the entity of comprehensive proposal and ones by the entities of partial proposal must be implemented under the equal-footing consideration conditions and upgrading targets. The consideration must be done in accordance with the up-to-date on-site situation of each unit. The consideration must be conducted in accordance with the Mid-and-Long-Term Roadmap. Taking account of the above, these considerations are to be implemented according to the check and review procedure which the relevant organizations apply in

review and confirmation of the important progress of the steps.

The actual steps of this project are as following (Refer to Figure 4):

- Establishment of consideration conditions and upgrading targets by the entity of comprehensive proposal for the approaches
- Establishment of consideration plan of the approaches by each entity
- Comprehensive coordination of draft plans of each entity
- Compiling of interim results of consideration of each approach
- Review and confirmation by the relevant organizations for decision making on moving forward to the next phase of consideration of each approach
- Results analysis of consideration of each approach
- Review and confirmation by the relevant organizations of results analysis of consideration of each approach

Additionally, in the process of evaluation and confirmation by the review committee and the concerning organizations, they might establish alternative options, reconsideration of the conditions, etc.

\*\*The Nuclear Damage Compensation Facilitation Corporation (NDF) will form opinions on such subjects as the consideration conditions and upgrading target and judgments of moving forward to the next phase, in consultation with METI/ANRE, TEPCO and if necessary, experts.

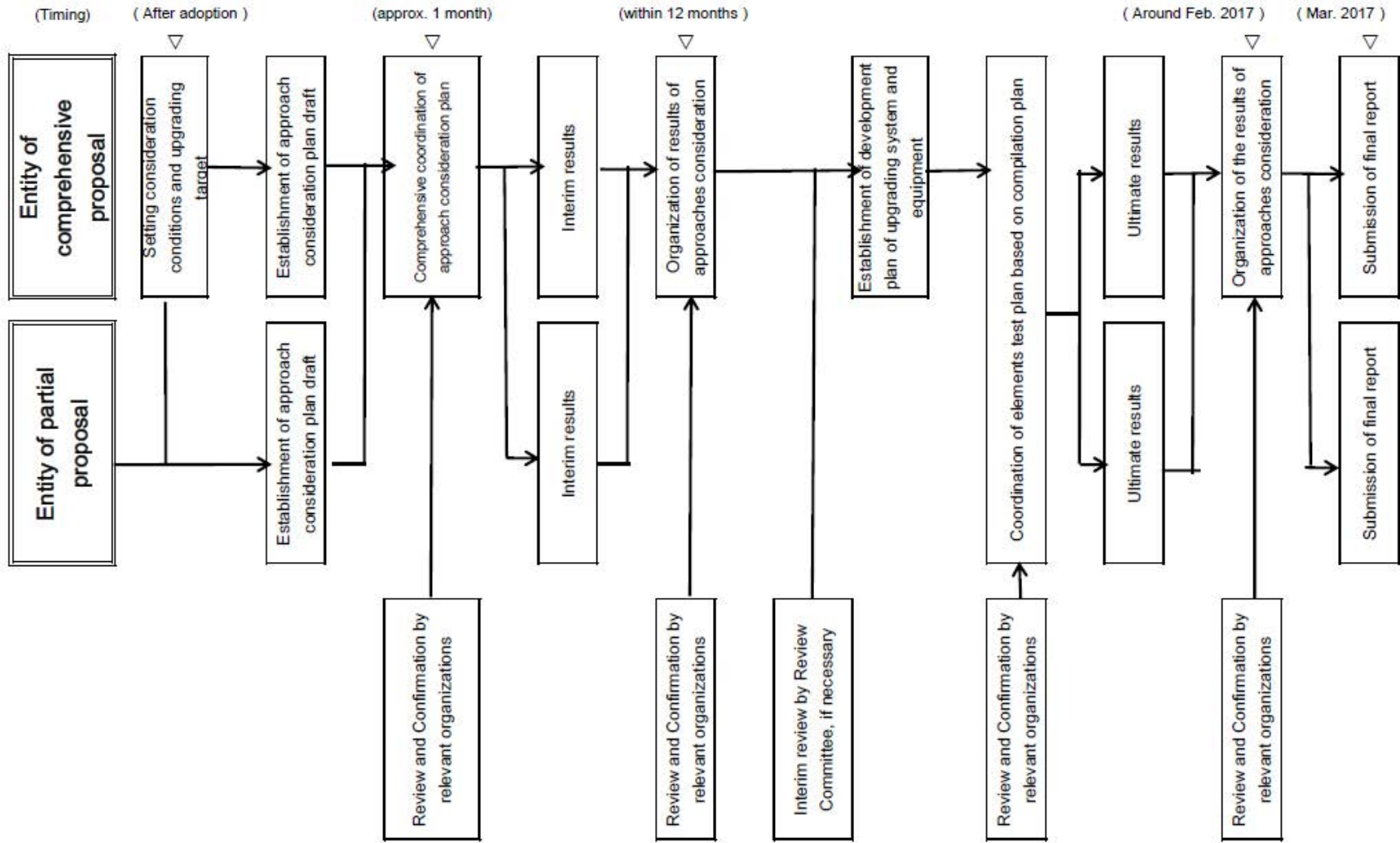


Figure 1 Schedule of subsidized project



### (3) Planning of the development of the retrieval system and equipment

Research for technology of remote operation activities, cutting, barrier, prevention of dust dispersion, etc. must be implemented. Furthermore, comprehensive evaluation of the results of each item in (2) must be conducted, followed by clarification and organization of challenges and risks at each retrieval work step. After that, development plan of the system and equipment for retrieval of fuel debris and internal structures must be conducted. This item shall be implemented by entity of comprehensive proposal.

### (4) Operation of research and development

#### [1] Human resource development in the middle and long term

Entity of comprehensive proposal must make efforts to strengthen the relationship with universities, research organizations, etc. through implementing joint research, etc. from the viewpoint of human resource development in the middle and long term.

#### [2] Gathering domestic and overseas wisdom

Entity of comprehensive proposal must conduct projects by utilizing domestic and overseas wisdom. In particular, they must consider introduction of necessary technologies and knowledge both from domestic and overseas countries broadly. In case of development of machines and equipment, establishment of common basis of the machines and equipment (utilization of widely used goods and goods which have already been developed, etc.) must be taken into account as much as possible in order to promote reasonable development. Furthermore, in the development of evaluation method, it is important to be validated and reviewed objectively by third parties such as academic societies, etc. Hence, such validation and review must distinctively be placed in the development plan or be set as a milestone.

#### [3] Clarification of tests conditions and specifications for development

Consideration of requirement level necessary for implementing decommissioning activities must be done before commencement of elements tests and equipment design; furthermore, evaluation of to what extent existing technologies can be utilized must be done as quantitatively as possible. Based upon these, information on the target of the degree of the tests and equipment development compared to the requirement level must be shared with concerned parties, and the test conditions and design specifications must be established.

#### [4] Definition of criterion for judgment of degree of objective achievement

Comprehensible criterion which can be a measure for the judgment of objective achievement of the project must be defined using numerical values, etc. Furthermore, it must be validated whether or not the objective will have been achieved at the completion of the project.

Table 2 Definition of Technology Readiness Level (TRL)

Level	Definition corresponding to fuel debris retrieval	Phase
7	At the stage of completion of practical utilization	Practical use
6	At the stage of being demonstrated in the field	Field demonstration
5	At the stage of production of prototype with the scale of practical use, and demonstration in a simulated environment such as in a factory, etc.	Demonstration of simulation
4	At the stage of implementation of function tests at the level of trial production as a process of development and engineering	Research for practical use
3	At the stage of proceeding with development or engineering using application or combination of existing experiences. Or at the stage of proceeding with development or engineering based upon elementary data in the area with lack of existing experiences.	Application research
2	At the stage of proceeding with development or engineering in the area nearly without applicable existing experiences, and with setting up the specifications.	Application research
1	At the stage of clarifying elementary contents regarding development or engineering.	Elementary research

[5] Cooperation with decommissioning activities and other research and development

Clarify how results could contribute to decommissioning activities and other research and development, and positively cooperate with other organizations. At the commencement of the project, input/output information must be coordinated with other projects, comprehensive proposals and partial proposals among entities in a timely manner; and it must be shared with PMO and the concerned organizations (Reference Document 1). Furthermore, information on implementation of the project (such as progress situation, acquired data, challenges, etc.) must be shared with and offered to PMO and the concerned organizations in a timely manner. PMO will conduct the necessary coordination.

[6] Research management

A flexible scheme must be established so that it can reflect the results of discussion regarding Mid-and-Long-Term Roadmap, meetings of Secretariat of the Team for Decommissioning and Contaminated Water Countermeasures Cabinet Office, NDF, etc. In implementing the project, the fact that the target of this project has been set to accomplish other prioritized goals must always be taken into consideration.

[7] Work management at Fukushima Daiichi Nuclear Power Station, etc.

If you plan to implement some activities such as on-site investigation or demonstration tests at Fukushima Daiichi Nuclear Power Station, etc., you have to negotiate sufficiently with TEPCO beforehand; and constitute a management scheme in accordance with the negotiation and based upon the understanding obtained through the negotiation which you have to observe and take care of, so that adequate safety measures can be implemented.

[8] Progress report

Report implementation plan, progress situation, project results, etc. to PMO in response to

the request by using implementation schedule, etc. (Reference Document 2) After completion of the project, results report must be established and submitted.

[9] Enhancement of outreach

Comprehensible explanation to the public regarding the project contents and results must be enhanced.

[10] Preparation of other options

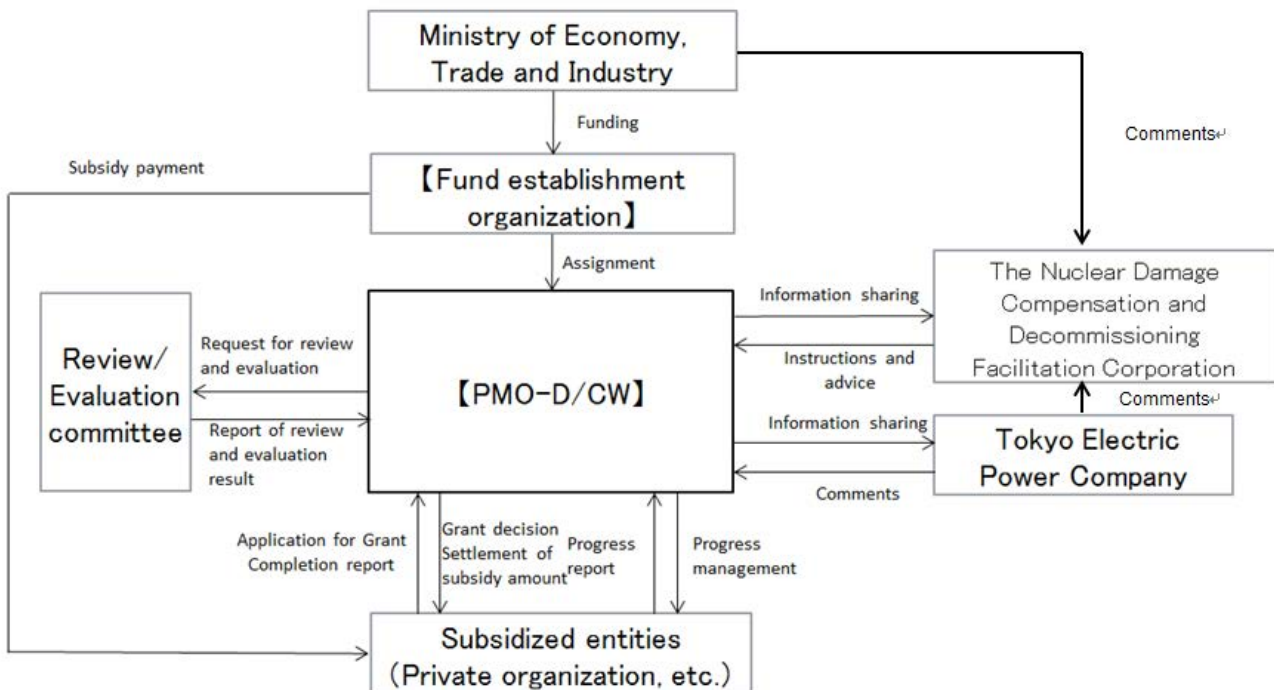
Alternative options must be prepared for the case that the project cannot be proceeded with as planned during the project term. If the alternative options are prepared or revised, the information must be notified to PMO.

3. Project term

Starting on the day of grant decision and terminated on March 31, 2017

The research and development are supposed to be continued until the FY 2016. If you participate in this project as an entity of partial proposal, you have to submit a grant application the contents of which are until the interim results and implement your project accordingly; and further continuation of your project shall be determined by the concerned organizations based upon their review and evaluation of your interim results. Further continuation of the subsidized projects after the FY 2017 shall be judged in consideration of the results of the research and development, budgetary situation of Government, etc. comprehensively.

4. Implementing Scheme



## 5. Application Requirements

The private companies, etc. satisfying all of requirements (1) to (8) shown below are qualified to apply for the subsidies. Applications from consortia are also acceptable. In that case, a managing legal entity must be appointed out of each consortium and submit the project proposal. (Please note that no managing legal entity may reassign the entire work to another legal entity.)

- (1) Possessing the organization for properly conducting the relevant subsidized project.
- (2) Having the capacity, knowledge and experience required for conducting the relevant subsidized project.
- (3) Having the management foundation required for smoothly conducting the relevant subsidized project and sufficient ability to control the funds and other resources.
- (4) Being able to follow the appropriate accounting procedures in accordance with the “Grant Policy for Subsidy for the Project of Decommissioning and Contaminated Water Management” and “Subsidized Project Administration Manual”. With regard to overseas entities, being able to prepare the evidenced documents in Japanese or English, and present them in Japanese territory on demand from the PMO.  
<http://en.dccc-program.jp/files/20150623man.pdf>
- (5) Not foreseen to be subject to Articles 70 and 71 of the Cabinet Order concerning the Budget, Auditing and Accounting.
- (6) Not fulfilling any of the conditions stipulated in the “Guidelines for the suspension of subsidies controlled by the Ministry of Economy, Trade and Industry and the suspension of designation relating to the contracts”. (January 29, 2003, No 1) First column, the second items in Attachment
- (7) Admitting that the results obtained through this project can be utilized by TEPCO, etc. if they request to do so under the condition that each party is in agreement. Not preventing the utilization by behaviors such as not admitting use of the technology intentionally, asking for unreasonable compensation, etc. in spite of receiving the request.
- (8) In order to make sure of the above-mentioned item, preventing a situation where the results from this project are not able to be utilized for measures for decommissioning and contaminated water management at the Fukushima Daiichi NPS by ceding the above-mentioned condition in (7) to the successor if the applicant hands over the result to a third party and loses their own right to utilize it accordingly. In the case of a conflict which makes the applicant unable to make sure of the items in (7), the concerned parties must solve it by their own responsibility.

## 6. Requirement Conditions for Grant Decision

- (1) Number of proposals to be adopted : More than one
- (2) Subsidy rate and amount

Settled amount calculated in JPY

Comprehensive proposal:

Upper limit: 1,500,000,000 JPY (Project budget: 1,500,000,000 JPY)

Partial proposal:

Upper limit: 500,000,000 JPY (Project budget: 500,000,000 JPY)

The contents of the project, amount of the subsidy, etc. will ultimately be settled only after coordination with PMO.

(3) Time of Payment

In principle, the subsidies are paid after the project is completed.

\*Please note that cases where the payment (i.e. the payment by estimate) before the completion of the project is permitted are limited.

(4) Confirmation of the amount of payment

The amount to be paid is decided based on the result report which is submitted by the operating entities after the project is complete as well as the results of the survey at the verification site and/or the office.

The amount to be paid will be the total of the expenses to be covered by the subsidies, which do not exceed the granted subsidy amount. For this reason, the account ledgers, receipts and other documents are necessary for supporting all the expenses. All the expenses will be strictly inspected and the expenses are strictly evaluated. Thus, the expenses not meeting the conditions mentioned above may be rejected.

## 7. Application Procedure

(1) Application Period

Commencement: Tuesday, June 23, 2015

Deadline: Midday of Tuesday, July 21, 2015

We will not accept any proposals after this deadline.

(2) Information Session

Tuesday, June 30, 2015 14:00 – 16:30

Venue: TKP GardenCity Nagatacho (Tokyo Hirakawacho Building, 13-12, Hirakawacho 2-chome Chiyoda-ku, Tokyo)

<http://www.kashikaigishitsu.net/facilitys/gc-nagatacho/access/>

If you would like to attend the session, please inform the contact point written in “12. Contact” by 17:00 on Monday, June 29 via email.

When making contact, please title your e-mail “Register for attendance to the information session for ‘Project of Decommissioning and Contaminated Water Management’ in the FY2014 Supplementary Budget” and include the “corporate or organization name,” “name of the attendee,” “department,” “phone number,” “fax number,” and “e-mail address” in the main text.

Project of Decommissioning and Contaminated Water Management (Project of Upgrading

Approach and System for Retrieval of Fuel Debris and Internal Structures)”

Please note that the capacity of the venue is limited.

(3) Application form and other documents to be submitted

[1] Please submit the following documents as one file. Please title your file “Application for the subsidy program ‘Project of Decommissioning and Contaminated Water Management (Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures)’.

- Application form (Form 1)
- Outline of Subsidy Project (Form 2)
- Certificate of Conformance (Form 3)
- Input/Output information (Form 4)
- Other documents
  - Outline of Corporation or Organization (such as brochure, etc.)
  - The financial results, and statement of revenues and expenses (for the last year)
  - The articles of association or the act of endowment
  - Other supporting documents

\* In the case of hand-carry or mail, you must prepare 15 copies of the application documents using A4 paper. You can describe them in Japanese or English. Besides the hard copies, you must submit a CD ROM saving the electronic data of the application documents. As a general rule, the file format must be Ichitaro, MS-Word, MS-PowerPoint or MS-Excel. If you have unavoidable reasons not to be able to use these formats, please contact us.

If your proposal is adopted, there is a possibility that Input/Output information will be released to other entities.

[2] All the application documents submitted will not be used for any purpose other than the evaluation in the course of the selection process. Please note that the application documents submitted will not be returned. We take the utmost care to preserve confidentiality. However, if your proposal is adopted, the information except the non-disclosure information (i.e. the personal information, the information detrimental to the legitimate interests of legal entities) may be disclosed under the “Act on Access to Information held by Administrative Organs” (Act No. 42 enacted on May 14, 1999).

[3] The costs spent for issuing the application documents and other documents will not be included in the expenses. Also, the costs spent for issuing those documents will not be compensated for regardless of whether the proposal is adopted or not.

[4] The matters described in your proposal are considered to be the fundamental policies which should be observed during the project. Consequently, please be sure to describe only the matters which are feasible within the budget. Also, please note that if when your proposal is adopted, it may be rejected later on if you make a significant change to it at your discretion.

(4) Place of submission

The application documents must be delivered to the following address via hand-carry, mail or

email, etc.

Toranomon Toyo Bldg. 8th Floor  
4-2, Toranomom 1-chome, Minato-ku,  
Tokyo 105-0001, JAPAN  
Contact: Mr. Nakajima, Mr. Ashida and Mr. Tsukada  
Email address for submission: dr-apply-al@mri.co.jp

- \* Please DO NOT send the application documents via fax. Incomplete documents will be rejected and not subject to evaluation. Therefore, please carefully read and follow the procedures for application to correctly fill out the documents.
- \* Any application documents submitted after the closing date will not be accepted. If you send the documents by postal mail, they may not be delivered by the designated time on the closing date. Consequently, you are advised to mail them sufficiently ahead of the closing date.

## 8. Evaluation and Adoption

### (1) Method of Evaluation

Applications will firstly be evaluated through paper screening, so that the applicants for the presentation to the review committee can be selected. Depending on the capacity of the venue, the number of the participants to the presentation may be restricted. Furthermore, hearings and on-site investigation may be conducted as required; and submission of additional documents may be requested.

### (2) Evaluation Criteria

Applications are to be comprehensively evaluated based upon the following criteria. However, the applications which have been judged not to meet the criterion [3] and [4] shall be disqualified regardless of evaluation of the other criteria.

#### [1] Project purpose, details and implementation method

Whether or not the Project purpose corresponds to the project purpose described in the “Guidelines for applying” is to be evaluated.

Whether the details of the project are consistent with the project purpose and described in detail or not is to be evaluated.

Whether the implementation method of the project is consistent with the purpose and details of the project is to be evaluated.

#### [2] Project implementation schedule

Whether or not the project implementation plan (timeline) is appropriate to the purpose and details of the project, etc. is to be evaluated.

#### [3] Project Implementation Scheme

Project implementation scheme, specialty as an organization, expertise of engaged employees, experiences of similar projects, etc. are to be evaluated.

[4] Project Cost

Whether or not project costs are appropriately allocated to the project purpose and contents, etc. is to be evaluated.

[5] Financial basis and Management System for Implementation of Project

Whether or not the applicant organization has a financial basis and management system enabling them to implement the project is to be evaluated.

[6] Technical Contents

Whether or not the technical contents proposed are consistent with the technical specification, etc. is to be evaluated.

(3) Decision and Announcement of Results

PMO will release the adopted entities on our website. The adopted entities will be notified of the result.

9. Granting of Subsidy

The project shall be initiated after the adopted entity submits a grant application for the subsidy to PMO and PMO has sent a notice of grant in return.

It should be noted that there may be changes in the details, composition and scale of the project as well as its budget between the determination of adoption and grant, as a result of consultation with the PMO. Also, please be aware that the subsidy may not be granted if the granting requirements are not met.

Although subsidized project operating entities may be provided with information required to implement the project after the determination of grant, they may be requested to observe the confidentiality depending on the nature of the information.

10. Allocation of Expenses

(1) Classification of Expenses Covered by Subsidy

The expenses covered by the subsidy shall be those directly required for the implementation of the project. The specific items are listed below.

Items of Expense	Description
Labor Costs	Expenses for personnel required to implement the subsidized project.
Operating Costs	Expenses for raw materials, consumables, design/fabrication/processing, facility/equipment, goods purchase, research, outsourcing, travel, remunerations, rent/depreciation and other necessities.



(2) Expenses not to be Included in Expenses Covered by Subsidy

- Office supply equipment (furniture such as desks, chairs and bookshelves, office machinery and so forth) with which the applicants should already be provided when considering the nature of the project.
- Expenses for handling accidents and disasters that occurred during the project. (However, cancellation fees incurred by reasons not attributable to subsidized project operating entities may be directly included as an expense. Please consult the person in charge on this matter.)
- Expenses unrelated to the project

(3) Exclusion of Consumption Tax from Expenses Covered by Subsidy

If general and local consumption taxes (hereafter referred to as “consumption tax”) are included in the subsidy amount, the applicants shall be requested to submit a report after the settlement of tax amount, according to the granting guidelines.

This is so specified as to demand, at the time of filing an income tax return, that subsidized project operating entities should report and return the amount to which the subsidy has been applied, out of the amount of deduction for taxable purchase, so that the amount for which the subsidy has been allocated out of the amount of deduction for taxable purchase shall not be detained.

However, because the report mentioned above is based on an income tax return that will be filed after the settlement of the subsidy, occasional delinquency in reporting due to lapse of memory has been found. Also, in order to avoid the complicated office procedures that need to be followed by subsidized project operating entities, the consumption tax shall be handled as follows.

When determining the amount of subsidy applied for in the grant application, the consumption tax must be excluded from the expenses covered by the subsidy before calculating the subsidy amount and submitting the application.

However, to avoid hindrance to the implementation of the subsidized project, such subsidized project operating entities as those listed below shall be permitted to include the consumption tax in the expenses covered by the subsidy when calculating the amount of subsidy.

- [1] Subsidized project operating entities who are not classified as taxpayers under the Consumption Tax Act
- [2] Subsidized project operating entities who are tax-exempt business entities
- [3] Subsidized project operating entities who are business providers subject to simplified tax
- [4] National or local governments (limited to cases when project is conducted with a special account), or subsidized project operating entities who are corporations listed in the attached Table 3.
- [5] Subsidized project operating entities who are using the general account of a national or local government
- [6] Subsidized project operating entities who are taxable business providers that choose a

refund of consumption tax, following confirmation of consumption tax and purchase tax deductions, for instance due to a low amount of taxable sales

#### 11. Miscellaneous

- (1) Any expenses incurred before the date when the decision on grant of the subsidy is made (including expenses for order placement) shall not be covered by the subsidy program.
- (2) In the event that the subsidized project operating entity desires to make a purchase or other contract related to material procurement or involving an occurrence of cost, it shall invite open competitive bidding, as a general rule, from the viewpoint of cost effectiveness. If the subsidized project operating entity desires to outsource part of the subsidized project to a third party or conduct the project in partnership with a third party, it shall in advance make a contract on the implementation and report this to PMO.
- (3) Once informed that the decision on grant of the subsidy is made, the subsidized project operating entity shall not change the subsidy budget distribution or the details of the subsidized project nor interrupt or terminate the project without prior approval from PMO.
- (4) The subsidized project operating entity shall promptly report the progress of the subsidized project and so on whenever required to do so by PMO.
- (5) After the subsidized project is completed (or the project termination is approved), the subsidized project operating entity shall submit a project result report to the management office.
- (6) The subsidized project operating entity shall keep accounts on any expenditures for the subsidized project with dedicated account books accompanied by all written evidences in a way that is clearly differentiated from the other accounting to ensure that all incomes and expenditures are meticulously accounted for. The entity shall maintain the account books at least five years after the fiscal year in which the date of completion (or the date of approval for termination) is included so that they can be accessible whenever requested by METI, fund establishment organization and PMO.
- (7) With respect to the assets acquired or the utility of which has increased through the subsidized project (hereinafter referred to as "the Acquired Assets, etc."), the subsidized project operating entity shall manage them with due care of a prudent manager even after the completion of the subsidized project, and strive to effectively make use of them in accordance with the purpose of the grant of the subsidy. All applicable Acquired Assets, etc. shall be properly controlled using an Acquired Asset Ledger during the asset disposal restriction period, which will be separately set forth.
- (8) If the subsidized project operating entity needs to dispose of (i.e., use, transfer, loan or offer as collateral assets contrary to the purpose of the grant of the subsidy) any Acquired Asset having a unit price equal to or higher than 500 thousand yen (tax excluded) during the asset disposal restriction period separately set forth, they must obtain prior approval. In this case, the entity shall pay part of or the entire subsidy amount as a general rule. (The maximum payment does

not exceed the subsidy amount for the appropriate asset to be disposed of).

(9) After the completion of the subsidized project, the Board of Audit may visit the premises of the subsidized project operating entity for inspection.

## 12. Contact

Toranomon Toyo Bldg. 8th Floor

4-2, Toranomom 1-chome, Minato-ku,

Tokyo 105-0001, JAPAN

Contact: Mr. Nakajima, Mr. Ashida and Mr. Tsukada

E-mail: [hairo26-2nd-ml@mri.co.jp](mailto:hairo26-2nd-ml@mri.co.jp)

FAX: +81-(0)3-3591-9117

Contact us through e-mail or FAX. We regret that no inquiries will be accepted via telephone.

(Form 1)

No. Leave blank.	
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Management Office for the Project of Decommissioning and Contaminated Water  
Management

Application for the subsidies for the “Project of Upgrading Approach and System for Retrieval of Fuel  
Debris and Internal Structures” in the FY2014 Supplementary Budget

Applicant	Company/Organization Name		
	Representative (Full Name and Title)		Seal or Signature
	Address		
Contact	Contact Person (Full Name)		
	Section/Department		
	Title		
	Telephone (Extension, if any)		
	E-mail		

(Exhibit)

1. Name of the subsidy project

2. Objective and contents of the subsidy project

*\*Describe your own understanding of the background of the project, the purpose of the project and its contents briefly.*

3. Scheduled commencement and completion dates of the subsidy project

(Scheduled commencement date):

(Scheduled completion date):

4. Entire costs needed for the project JPY

5. Costs subject to subsidy JPY

6. Subsidy amount to be applied for JPY

7. Allocation amount of the costs for the subsidy project, costs eligible for the subsidy and subsidy amount to be applied for

The contents are the same as (2) Expenditures, I. Summary table of “2. The income and expenditure budget of the Subsidized Project” of the Form 2, “Brief explanation of subsidized project”.

8. Bases for Calculation for the above amount

The contents are the same as (2) Expenditures, II. Distribution of Costs of “2. The income and expenditure budget of the Subsidized Project” of the Form 2, “Brief explanation of subsidized project”.

9. If a group is formed to conduct the Project, the names of the group and the member companies

Note 1: The “costs required for the Subsidized Project” refers to the cost required for performance of the relevant project. As a general rule, the amount must be provided after deducting the amount of the national and local consumption taxes.

Note 2: As for the amount of the “Subsidized Costs”, as a general rule, the amount of the “costs required for

the Subsidized Project” eligible for the Subsidy must be provided after deducting the amount of the national and local consumption taxes.

Note 3: The “amount of the Subsidy applied for” refers to the amount of the “Subsidized Costs” for which grant of the Subsidy is requested, and the amount limit is the amount of the “Subsidized Costs” multiplied by the Subsidized Ratio (any amount less than JPY1 shall be rounded down).

Remark: The size of the paper used shall be the Japan Industrial Standards A4 Format.

(Form 2)

Address

Name (Name of Corporation and Title/Name of Representative Person)

### Outline of Subsidy Project

#### 1. The implementation plan for the Subsidized Project

##### (1) Contents and implementation method of the project

*\*Describe contents and methods in detail for each project contents.*

*\*Describe your proposal to enhance the project result in detail.*

*\*Describe the place where the project is to be implemented (address and name of the office).*

##### (2) The implementation timeline

*\*Describe the monthly schedule of the implementation of the project for each implementation contents.*

*\*Describe the implementation procedure in detail. If the stages of the research and development are different (such as design, development, tests, etc.) in each item, describe the difference clearly.*

*\*If the persons in charge in the research and development are different in each item, describe the organization they belong to clearly so that we can distinctly understand who will actually implement the item.*

*\*Set the actual targets for achievement of the project purpose as milestones and describe them for each item.*

*\*In setting the milestones, they must be related to the points where delay of the project is foreseen.*

*\*In order to prevent delay, alternative options must be described for items with high risk.*

*\* Describe major output and input information so that correlation with other projects, comprehensive proposals, partial proposals, etc. can be grasped.*

*\*As a plan of the interim report, describe the outputs which will have been able to be achieved at the time of the report and further plan.*

*\*In reporting your progress, show your plan and actual progress in a comprehensible manner. Furthermore, describe the up-to-date situation and further work plan, etc. as a reference.*

(3) The organization for implementation

*\*Describe the implementation scheme, the number of the involved staff and their role as attached.*

*\*Describe the brief career, area of expertise, experiences in similar projects of the manager responsible for the project and those who are planned to be involved in the project as a project leader or other similar classes.*

*\*Describe outsourcing or commissioning, if planned.*

*\*Describe the name, outline, year, ordering party, etc. of similar projects. If the project was done as your own company's project, state it accordingly.*

*\*Clearly state the experiences of each participating party if you form a consortium.*



2. Plan of the income and expenditure of the Subsidized Project

(1) Income

(in JPY)

Item	Amount
Own fund	
*Bond issuance or borrowing	
Other	
Subsidy	
Total	

\*Attach the documents to show the funding plan relating to the relevant bond issuance or borrowing

(2) Expenditures

I. Summary table

(in JPY)

Classification of costs	Costs required for the Subsidized Project	Subsidized Costs	Classification of the cost burden	
			The amount of cost borne by the Subsidized Project Operating Entity	The amount of the Subsidy applied for
Labor Cost				
Operating cost				
Total				

II. Distribution of Costs (provide the details by project item)

*\*Describe in this sheet or other separate sheets the name of the goods, unit price, man-hour, etc. as basis for the calculation.*

*\*If you form a consortium, clearly describe the breakdown of each company or organization.*

(Unit: JPY)

Type (Example)	The cost required for the Subsidized Project	Subsidized costs	Amount of the Subsidy applied for	Remarks
【Labor Cost】				
• • •				
Sub total				
【Project Cost】				
Raw material				
Goods purchase				
Outsourcing				
• • •				
Sub total				
Total				

(Note 1) The “cost required for the Subsidized Project” refers to the cost required to perform the relevant project. As a general rule, provide the amount after deducting the amount of the national and local consumption taxes.

(Note 2) As a general rule, provide the “cost required for the Subsidized Project”, which is eligible for the Subsidy after deducting the amount of national and local consumption taxes in the “Subsidized Costs”.

(Note 3) the “amount of the Subsidy applied for” refers to the amount of the “Subsidized Costs” for which grant of the Subsidy is requested, and the amount limit is the amount of the “Subsidized Costs” multiplied by the Subsidized Ratio (any amount less than JPY1 shall be rounded down).

Remark: The size of the paper used shall be the Japan Industrial Standards A4 Format

### 3. Financial basis and management structure

*\*Describe the outline of your organization; moreover, describe the grounds on which your organization has the necessary management basis for smooth implementation of the project as attached.*

*\*Describe the grounds on which your organization is capable of managing funds, etc. (such as organization and storage of evidence documents for expenditures). Furthermore, describe the scheme of the management of the funds (responsible persons and their roles).*

*\*If you form a consortium, all of the above-mentioned items must be described regarding every organization.*

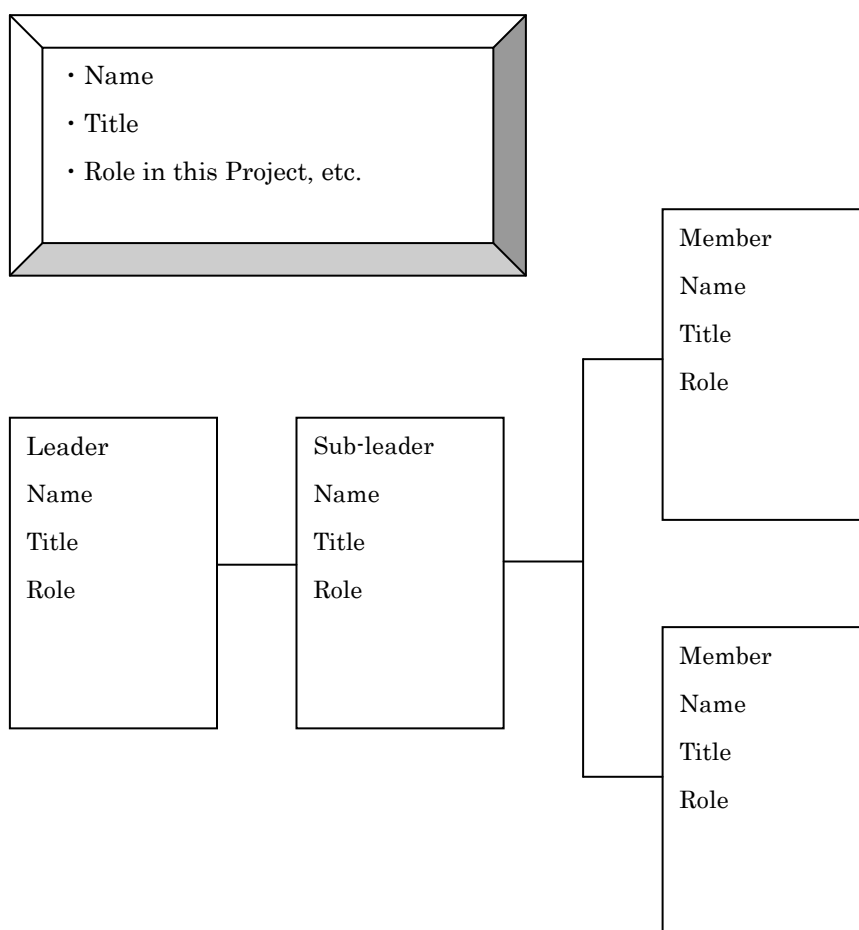
## Implementation Organization Chart

<p><b>Content of the descriptions</b></p>	<ul style="list-style-type: none"> <li>• Develop an organization chart to show the framework for implementation of the Project</li> <li>• The names, titles and division of roles of the personnel in charge must be contained in the implementation organization chart</li> <li>• The career background, expertise, area of specialty at work and other relevant information must be provided about the key personnel in charge contained in the implementation organization table</li> </ul>
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### Operational Implementation Organization

\*A concrete description should be provided by showing an implementation organization chart containing the following information.

\*Specify the name of the contact person in case of a joint application



(Annex) Outline of your organization

Note: If you form a team and apply, you must fill in this sheet for every participant.

\*Fill in the data of the latest accounting year in non-consolidated base.

Company name					
Title/name of the representative person					
Contact information	Tel:		Fax:		
	E-mail:				
Head office's address					
Date of establishment	Date:	Account closing month		Small- or medium-sized company	○ or ×
Capital	JPY in thousands	Number of Employees		(indicate by a circle if the company is a small- or medium-sized company)	
Description of business					
Major shareholders (equity ownership)	○○○ (company limited) (60%) ▽□○ (company limited) (30%) □○○ (company limited) (1%)				

(The title and name of the person responsible for preparation: Head of the XX Department, XX XX

Seal)

\*A personal seal may be used

Please provide the information about all officers in the list below:

Full name in Katakana Full name in Chinese characters	Date of Birth			Sex	Company Name	Title
	Japanese era name Year	Month	Day			
(Example) Taro Keizai Taro Keizai	S 35	01	01	M	Keizai Sangyo Co., Ltd.	President & Representative Director

- (Note 1) Add the columns as appropriate if the provided columns are not sufficient to provide full information.
- (Note 2) Use one-byte characters and put a space between the first and last names to provide the names in Japanese phonetic symbols (katakana).
- (Note 3) Use two-byte characters and put a space between the first and last names to provide the names in Chinese characters.
- (Note 4) The letters T, S or H should be used to indicate the Japanese era names for the date of birth and the year should be indicated by a two-digit number.
- (Note 5) Use M for male and F for female in one-byte characters to indicate the sex.
- (Note 6) For a foreign national, use the alphabet characters to indicate the person's full name in the "Full name in Chinese characters" and the pronunciation of the name in Katakana in the "Full name in Katakana" column.
- (Note 7) For a joint application or a Project C, provide the information about all officers of each and every member (company or otherwise) of the group.

(Remarks) The size of the paper used shall be the Japan Industrial Standards A4 Format.

(Other documents)

- (1) Outline of the company or organization such as a brochure, etc.
- (2) The financial results, and statement of revenues and expenses (for the past one year)
- (3) The articles of association or the act of endowment
- (4) Other supporting documents

(Form 3)

## Certificate of Conformance to Qualification Requirements for the Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures

I confirm that the applicant satisfies the qualification requirements for this subsidized project.

No.	Requirements	Verification, etc.
(1)	Possessing the organization for properly conducting the relevant subsidized project.	<State that the applicant satisfies the requirements with reasons in detail ><See Form 2 “1. (3) Project Implementation Scheme” when necessary.”>
(2)	Having the capacity, knowledge and experience required for conducting the relevant subsidized project.	<State that the applicant satisfies the requirements with reasons in detail ><See Form 2 “1. (3) Project Implementation Scheme” when necessary.”>
(3)	Having the management foundation required for smoothly conducting the relevant subsidized project and sufficient ability to control the funds and other resources.	<State that the applicant satisfies the requirements with reasons in detail ><See Form 2 “(3) Financial basis and management structure when necessary.”>
(4)	Being able to implement the project in accordance with all the applicable laws and regulations enacted in Japan, and to follow the appropriate accounting procedures in accordance with the “Subsidized Project Administration Manual”. <a href="http://en.dccc-program.jp/files/20150623man.pdf">http://en.dccc-program.jp/files/20150623man.pdf</a>	<State that you understand the statement on the left>
(5)	Not foreseen to be subject to Articles 70 and 71 of the Cabinet Order concerning the Budget, Auditing and Accounting.	<State that it does not apply to the applicant>
(6)	Not fulfilling any of the conditions stipulated in the “Guidelines for the suspension of subsidies controlled by the Ministry of Economy, Trade and Industry and the suspension of designation relating to the contracts”. (January 29, 2003, No 1) First column, the second items in Attachment	<State that it does not apply to the applicant>
(7)	Admitting that the results obtained through this project can be utilized by TEPCO, etc. if they request to do so under the condition that each party is in agreement. Not preventing the utilization by behaviors such as not admitting use of the technology intentionally, asking for unreasonable compensation, etc. in spite of receiving the request.	<State that it is possible>
(8)	In order to make sure of the above-mentioned item, preventing a situation where the results from this project are not able to be utilized for measures for decommissioning and contaminated water management at the Fukushima Daiichi NPS by ceding the above-mentioned condition in (7) to the successor if the applicant hands over the result to a third party and loses their own right to utilize it accordingly. In the case of a conflict which makes the applicant unable to make sure of the items in (7), the concerned parties must solve it by their own responsibility.	<State that you understand the statement on the left>

<Note for Filling out this Form>

In the verification columns, please write the reasons why you verified that the applicant meets the requirements. When filling it out, write “Attachment” if there are any verification documents attached to this form and if not, write “No attachment.”



(Form 4)

Input/Output information on Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures

*\*Please refer to the reference document 1 as an example.*

ID	Requested projects	Offered projects	Contents (outline)	Time when the project is necessary	How to use the information	Remarks
				<i>*Influences of delay (if any)</i>		<i>Such as measures for the case when you cannot ensure the accuracy, cannot keep the timeline, etc.</i>

(Reference Document 1)

Table 1 Organization of Input/Output information  
Example for applicants of comprehensive proposal

ID	Requested projects	Offered projects	Contents (outline)	Time when the project is necessary	How to use the information	Remarks
1_1	Comprehensive proposal of “Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures”	“In-air top-access method” in “Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures”	Results of comprehensive consideration and consideration of each item	January 2016	Evaluation of feasibility of the method (Applicant of comprehensive proposal)	
1_2						
1_3						
1_4		⋮	⋮	⋮	⋮	⋮

Table 2 Organization of Input/Output information  
 Example for applicants of partial proposal

ID	Requested projects	Offered projects	Contents (outline)	Time when the project is necessary	How to use the information	Remarks
1_1	“In-air side-access method” in “Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures”	Comprehensive proposal of “Project of Upgrading Approach and System for Retrieval of Fuel Debris and Internal Structures”	Items and indexes of comprehensive consideration	October 2015	Comprehensive consideration (Applicant of partial proposal)	
1_2						
1_3						
1_4		⋮	⋮	⋮	⋮	⋮

(Reference Document 2)

Table 1 Example of implementation schedule with points of attention

Item	Sub item	Fiscal Year 201X						Fiscal Year 201Y						Remarks ( Up-to-date situation )								
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		Oct	Nov	Dec	Jan	Feb	Mar		
Validation on XX	(1) Survey of on-site situation and relevant technologies			█	█	Compilation															○○○○	
	(2) Machinery design				█	█		Design completed														○○○○
	(3)Machinery production									█	█											Describe up-to-date situation and work schedule
	(4) Establishment of tests plan			█	█																	○○○○
	(5) Tests implementation												█	█	█	█	█					Result of machinery development
	(6) Evaluation of tests result																					★
	(7) Compilation of results																					█
Validation on XX ( when alternatives are needed )	(1) YY																					Describe items for which alternatives are needed.
...	...																					Describe the available results foreseen at interim report and further plan
																						Completion of plan establishment
																						Commencement of demonstration test
																						Interim report
																						Interim report
																						Completion of demonstration test
																						Results report
Major milestones					▲				▲		▲		▲		▲		▲				▲	

(Reference document 3)

Regarding Subsidized Cost Items

Regarding the cost items defined in “The Decommissioning and Contaminated Water Management Project Implementation Guidelines”, please refer to the following table.

Cost item	Description	Correspondence with “Subsidized Project Administration Manual”
I. Personnel cost	Personnel cost for working hours of those engaged in the project.	3. Accounting process on personnel cost
II. Project cost		
Raw material cost	Expenses necessary for purchasing raw material or material necessary for implementing the project ※Here, “raw material” denotes what loses its nature and is used for production or manufacturing of entirely new ones; “material” denotes what does not lose its nature and is a constituent element of produced items or manufactured items only through being put to new application.	7. Accounting procedures regarding supplies expenses
Supplies expense	Cost for the purchase of goods necessary for performing the project but not belonging to raw material cost (however, only those verifiable for the use in the project)	7. Accounting procedures regarding supplies expenses
Design, production and processing costs	The thing which the subsidized entity cannot design, produce or process, or the cost necessary for outsourcing what is appropriate and does not belong to Facility and equipment cost to another entity. (contract for work)	8. Accounting procedures regarding outsourcing expenses
Facility and equipment cost	Cost necessary for purchasing, production or installation of facility or equipment necessary for undergoing the project ※The actual contents of the “facility and equipment” shall be “buildings and accompanying facilities”, “structures” and “machinery and equipment” stipulated in “Ministerial Order regarding depreciable life of depreciable assets, etc.” (Fifteenth Order of Ministry of Finance, 1965).	6. Accounting procedures regarding equipment expenses and rental and hire fees 8. Accounting procedures regarding outsourcing expenses
Procurement cost	Cost for the thing which is necessary for undergoing the project and does not belong to facility and equipment cost (at the same time, can be usable more than one year)	6. Accounting procedures regarding equipment expenses and rental and hire fees
Survey cost	The cost for outsourcing to another entity what the subsidized entity cannot survey or analyze by itself or is not suitable to be conducted by the subsidized entity itself (contract for work)	8. Accounting procedures regarding outsourcing expenses
Outsourcing cost	Cost for outsourcing to other business operator what subsidized company cannot implement on its own or not appropriate to do so and does not belong to design, production and processing costs, facility and equipment cost or survey cost (contract for work)	8. Accounting procedures regarding outsourcing expenses

Travel expenses	Cost for domestic business travels and overseas business travels necessary for performing the project.	4. Accounting process for travel expenses
Gratuities	Gratuities necessary for performing the project (gratuities for external experts who attended meetings, seminars, symposiums, etc., gratuities for giving seminars, writing of drafts, cooperation with research, etc.)	5. Accounting process for meeting expense and rewards
Rent and hire	Cost for lease and rental of machinery, equipment and the like necessary for performing the project	6. Accounting procedures regarding equipment expenses and rental and hire fees
Other expenses necessary for undertaking the project	Cost for other expenses necessary for undertaking the project which does not belong to any other items Examples Commission fee: the cost for outsourcing to other entities of the cost for assistant personnel or of the cost for temporary staffing, which cannot be done or what is not appropriate to be done by the subsidized entity	11. Accounting procedures regarding other miscellaneous expenses 12. Accounting procedures regarding expenses for commission 10. Accounting procedures regarding assistant personnel costs, etc.

## Criteria for reviewing proposals and allocation of points for items to be reviewed

The “basic points” refers to the conditions which have to be met unfailingly. If any of the basic point items is missing, no additional points will be given.

Items to be reviewed (basic points, additional points)

### 1. Purpose, details and implementation method of the project (40 points)

#### 1.1 Project purpose (total 5 points:5 basic points and 0 additional points)

Criterion for the basic points: Whether or not the Project purpose corresponds to the project purpose described in the “Guidelines for applying”.

#### 1.2 Details of the project (total 15 points: 5 basic points and 10 additional points respectively)

Criterion for the basic points: Whether the details of the project are consistent with the project purpose, and described in detail or not.

Criterion for the additional points: Whether the proposal contains details which are meaningful for this project other than the details stipulated in the “Guidelines for applying” or not (novelty, originality).

#### 1.3 Implementation method of the project (total 20 points: 5 basic points and 15 additional points respectively)

Criterion for the basic points: Whether the implementation method of the project is consistent with the purpose and details of the project.

Criterion for the additional points: Whether the implementation method of the project is considered in detail, and whether the method is effective, purposeful and feasible or not. Moreover, whether or not the proposal is creative.

Criterion for the additional points: Specifically, whether or not the concrete method is shown for satisfying the following six conditions regarding operation of the R&D activities described in the “Guidelines for applying”.

- Development of human resources in the medium term
- Gathering of domestic and overseas wisdom
- Setting up criteria for judging whether the objective is met or not
- Improvement of information dissemination
- Setting up and management of a third-party committee, etc.
- Cooperation with the decommissioning activities and other R&D activities

Criterion for the additional points: Whether the applicant has become certified to ISO 50001 or not.

### 2. Project implementation schedule (15 points)

#### 2.1 Project implementation schedule (total 15 points: 5 basic points and 10 additional points respectively)

Criterion for the basic points: Whether or not the project implementation plan (timeline) is appropriate to the purpose and details of the project.

Criterion for the basic points: Whether or not the project implementation plan (timeline) shows the grounds for implementing the project appropriately (staffing, procedure, etc.).

Criterion for the basic points: Whether or not the procedure for implementing the project contains creativity to implement the project effectively.

### 3. Project implementation scheme (30 points)

#### 3.1 Project implementation scheme, division of roles (total 10 points: 5 basic points and 5 additional points respectively)

Criterion for the basic points: Whether or not the project implementation scheme and the division of roles are consistent with the details of the project.

Criterion for the basic points: Whether or not staffing is sufficient to implement the project.

Criterion for the basic points: Whether the number of staff, scheme and division of roles are clearly described or not.

Criterion for the additional points: Whether or not the project implementation scheme is properly arranged to respond to requests from the management office promptly and flexibly.

Criterion for the additional points: Whether or not the project implementation scheme is properly arranged to commence the project immediately after the conclusion of the contract.

#### 3.2 Specialty as an organization, track record of other similar projects (total 10 points: 5 basic points and 5 additional points respectively)

Criterion for the basic points: Whether or not the applicant has an accumulation of indispensable expert knowledge, know-how etc. to implement the project as an organization.

Criterion for the additional points: Whether or not the applicant has ever implemented other similar projects as an organization.

Criterion for the additional points: Whether or not the applicant has an accumulation of technical knowledge or expert knowledge concerning the details of the project as an organization.

Criterion for the additional points: Whether or not the applicant has experiences of implementing projects which can contribute to implementing this project, and/or a network with specialized organizations useful to implementing this project as an organization.

#### 3.3 Expertise and experiences of similar projects of engaged employees (total 10 points: 5 basic points and 5 additional points respectively)

Criterion for the basic points: Whether or not employees to be engaged in the project have an accumulation of indispensable expert knowledge, know-how etc. to implement the project.

Criterion for the additional points: Whether or not employees to be engaged in the project have ever implemented other similar projects.



Criterion for the additional points: Whether or not employees to be engaged in the project have an accumulation of technical knowledge or expert knowledge concerning the details of the project.

Criterion for the additional point: Whether or not employees to be engaged in the project have experiences of implementing projects which can contribute to implementing this project, and/or a network with specialized organizations useful to implementing this project.

4. Project costs (total 10 points: 5 basic points and 5 additional points respectively)

Criterion for the basic points: Whether or not project costs are appropriately allocated to the project purpose and contents.

Criterion for the additional points: Whether or not project costs are allocated as appropriately as possible.

5. Specialty as an organization, track record of other similar projects (total 10 points: 5 basic points and 5 additional points respectively)

Criterion for the basic points: Whether or not the applicant has an accumulation of indispensable expert knowledge, know-how etc. to implement the project as an organization.

Criterion for the additional points: Whether or not the applicant has ever implemented other similar projects as an organization.

Criterion for the additional points: Whether or not the applicant has an accumulation of technical knowledge or expert knowledge concerning the details of the project as an organization.

Criterion for the additional points: Whether or not the applicant has experiences of implementing projects which can contribute to implementing this project, and/or a network with specialized organizations useful to implementing this project as an organization.

3.3 Expertise and experiences of similar projects of engaged employees (total 10 points:5 basic points and 5 additional points respectively)

Criterion for the basic points: Whether or not employees to be engaged in the project have an accumulation of indispensable expert knowledge, know-how etc. to implement the project.

Criterion for the additional points: Whether or not employees to be engaged in the project have ever implemented other similar projects.

Criterion for the additional points: Whether or not employees to be engaged in the project have an accumulation of technical knowledge or expert knowledge concerning the details of the project.

Criterion for the additional point: Whether or not employees to be engaged in the project have experiences of implementing projects which can contribute to implementing this project, and/or a network with specialized organizations useful to implementing this project.

Point rating method

· A(Excellent) ×1、 B(Good)×0.7、 C(Average)×0.5、 D(Below average)×0.3、 E(Poor)× 0

- Point rating method : Each item to be evaluated will be ranked A through E respectively, and the total points of the applicant will be calculated by multiplying the points allotted for each item by the above-noted weighting factors for each rank.
- The full points are 100. The basic points are 45, and the additional points are 55.
- However, a proposal shall not be adopted unless the basic score reaches at least 45.

**Project of Upgrading Approach and System for Retrieval of  
Fuel Debris and Internal Structures**

**Table of the Criteria for Technical Examination and Allotment of Points**

The “basic points” refers to the conditions which have to be met unflinchingly. If any of the basic point items is missing, no additional points will be given.

Contents of Proposal	Points
<p><b><u>1. Applicability to Fukushima Daiichi Power Plant</u></b></p> <p><b>&lt;Basic points&gt;</b></p> <ul style="list-style-type: none"> <li>· The present condition of Fukushima Daiichi Power Plant is fully taken into consideration.</li> </ul> <p><b>&lt;Additional points&gt;</b></p> <ul style="list-style-type: none"> <li>· Issues and measures based on the present condition of Fukushima Daiichi Power Plant is appropriate.</li> </ul>	15
<p><b><u>2. Actual Performance of Proposed Technologies</u></b></p> <p><b>&lt;Basic points&gt;</b></p> <ul style="list-style-type: none"> <li>· The relation of proposed technology and possessed technologies which serve as the basis of the proposed technology are described in detail.</li> </ul> <p><b>&lt;Additional points&gt;</b></p> <ul style="list-style-type: none"> <li>· Submitted actual performance has been published in an academic conference or journal, etc.</li> </ul>	15
<p><b><u>3. Feasibility of Approach</u></b></p> <p><b>&lt;Basic points&gt;</b></p> <ul style="list-style-type: none"> <li>· The location of fuel debris such an approach targets at is described.</li> <li>· Scope and items of consideration for the feasibility of approach are described in detail and appropriate.</li> <li>· It is recognized that there should not be a significant impact on the integrity of the reactor building and existing facilities.</li> <li>· Large facilities which compose the approach are described in detail and appropriate.</li> </ul> <p><b>&lt;Additional points&gt;</b></p> <ul style="list-style-type: none"> <li>· Issues and needed technologies for realizing the approach are described.</li> </ul>	30
<p><b><u>4. The concept of system</u></b></p> <p><b>&lt;Basic points&gt;</b></p> <ul style="list-style-type: none"> <li>· Items to be considered are written in detail and appropriate.</li> <li>· Scope and items of consideration for feasibility of the system are written in detail and</li> </ul>	30

<p>appropriate.</p> <ul style="list-style-type: none"> <li>• Scope and items for consideration of the integrity evaluation are written in detail and appropriate.</li> </ul> <p><b>&lt;Additional points&gt;</b></p> <ul style="list-style-type: none"> <li>• Possible abnormal events and the measures are examined in detail.</li> <li>• Issues and needed technologies of the system for enabling the approach are described.</li> </ul>	
<p><b><u>5. Design of Retrieval Equipment</u></b></p> <p><b>&lt;Basic points&gt;</b></p> <ul style="list-style-type: none"> <li>• The composition of retrieval equipment are clearly shown by conceptual diagrams, etc.</li> <li>• The description about upgrading the equipment for fuel debris retrieval is detailed and appropriate.</li> </ul> <p><b>&lt;Additional points&gt;</b></p> <ul style="list-style-type: none"> <li>• The target for radiation resistance of the equipment are described.</li> <li>• The consideration about efficiency improvement of retrieval operation is described.</li> <li>• Issues and needed technologies for upgrading the retrieval equipment are described.</li> </ul>	<p>30</p>