(Form 3(3))

Proposal Form for Feasibility Study of Fuel Debris Cutting and Dust Collection Technology for Innovative Approach

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| 1. **Basic Principle of Proposed Technology** | |
| * The basic principle of proposed technology is described. | |
| **Contents to be checked.**  \*Please check the box if the following items are described.  \*Please make sure that you fill in all the items listed in <Basic points>, and items in <Additional points> if applicable. | **Check box** |
| **<Basic points>**   * Structure of proposed technology and/or basic principle of system structure are described in detail. | ☐ |
| **<Additional points>**   * Considerations to achieve the target specifications. | ☐ |
| 1. **Specification of Proposed Technology** | |
| * Specifications of the proposed technology are described. If the proposed technology does not cover all of the items, list the missing item(s). If the proposed technology does not meet the target specification, explain the reason and describe the achievable specification. | |
| **Contents to be checked.**  \*Please check the box if the following items are described.  \*Please make sure that you fill in all the items listed in <Basic points>, and items in <Additional points> if applicable. | **Check box** |
| **<Basic points>**   * Applicable process and area selected from Table 3-1. * Descriptions for following specifications are concrete and appropriate.   \*Shape and geometric envelope  \*Weight  \*Radiation resistance (dose rate and cumulative dose)  \*Operation temperature and humidity | ☐  ☐ |
| **<Additional points>**   * Descriptions for following specifications are concrete and appropriate.   \*Maximum operation duration  \*Waterproof and dust-proof performance (if it is operable under water, so state.)  \*Method of supply power (electric or hydraulic)  \*Max cutting depth (thickness)  \*Cutting speed (efficiency)  \*Availability of fume and dust collection/capturing function and its performance  \*Material of machinable object  \*Specification items required other than above   * Describe that the proposed technology is superior to the prescribed target specifications, the values are feasible and the proposed technology has high cutting capability. * Describe in detail the main issues in developing the proposed technology and its solutions, which are deemed feasible. | ☐  ☐  ☐ |
| 1. **Existing Technology as a Basis of Proposed Technology** | |
| * A currently existing technology as a basis of proposed technology and details of the following contents are described. | |
| **Contents to be checked.**  \*Please check the box if the following items are described.  \*Please make sure that you fill in all the items listed in <Basic points>, and items in <Additional points> if applicable. | **Check box** |
| **<Basic points>**   * Detail of the relations between existing technology as a basis of proposed technology and proposed technology. | ☐ |
| **<Additional points>**  　　　　　　　　　　　　　　－ |  |

\*Size of the column is allowed to be adjusted and figures and tables can be attached to it.