**[File Upload Form (Relevant Applicants Only)]**

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| **2017 Strategic Research Program**  **Research Proposal for a New Project: Detailed Specifications for Research Equipment Required** | | |
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| **Title of Proposed Project** | **Korean** |  | |
| **English** |  | |

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| **◎ Funding Program: Strategic Research Program(Strategic Subject)**  **◎ Note**  - This form must be prepared in the relevant year, when planning to introduce research equipment with the value of over 30 million won.  - This form does not need to be prepared for years with no plan to introduce research equipment with the value of over 30 million won.  - This form does not need to be submitted if there is no plan to introduce research equipment with the value of over 30 million won in any year. |

**August 2017**

**National Research Foundation of Korea**

**〈Detailed Specifications for Research Equipment〉(1st Year)**

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| ※ Please fill out this form if you plan to introduce research equipment in the 1st year.  ※ You must fill out this form if you plan to introduce research equipment with the value of over 30 million won.  ※ Please delete this form if you have no plan to introduce research equipment with the value of over 30 million won in the 1st year. |

○ Facility and Equipment Construction Overview

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| Classification | | Content | | | | | | | | | | | | | | | | |
| Project Title | |  | | | | | | | | | | | | | | | | |
| Name of Facility/Equipment | Korean | ※ Specify the Korean name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| English | ※ Specify the English name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| Manufacturer and Model  (If planning a bid for facility/equipment, specify at least 2 manufacturers and models) | | Country of Production | | | | | Manufacturer | | | | | | Model | | | | | |
| Domestic | | Korea | | |  | | | | | |  | | | | | |
| Foreign | | USA | | |  | | | | | |  | | | | | |
| Acquisition Method  (Please check the appropriate box) | | Purchase | | Lease | | | Rental | | | Production Request | | | Self-production | | | Other (Note) | | |
|  | |  | | |  | | |  | | |  | | |  | | |
| Construction Expenses  (Unit: Million KRW) | | Unit Price | Volume | | | Total Amount | | | Government Subsidy for Year 20XX | | | Amount of Self-contribution for Year 20XX (Via matching fund) | | | Applied Exchange Rate (In case of foreign capital) | | | Amount of Yearly Installment and Rent (If planning for installments or rent) |
|  |  | | |  | | |  | | |  | | |  | | |  |
| Construction schedule | | Expected Date of Order | | | | | | | | Expected Date of Installation | | | | | | | | |
| YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | |
| Usage of Facility/Equipment | | ○  -  ※ Describe in detail measurement purpose of the equipment, test targets, desired outcomes, etc. | | | | | | | | | | | | | | | | |
| Analysis | | | Test | | | Training | | | Instrumentatio | | | Production | | | Other | |
| Check the appropriate box | | |  | | |  | | |  | | |  | | |  | |
| Key Specifications | | ○  -  ※ Describe detailed specifications, features, and performance of items for consideration by the screening committee members.  ※ Estimates can be attached (within 6 months). The estimates should specify the names of detailed components comprising the relevant equipment and the cost amount of each component separately. If the estimates only suggest the total cost amount of equipment, it will not be accepted. If planning for a bid on equipment, please attach at least 2 estimates per manufacturer.  ※ If a system consists of components from more than 2 companies, specifications should be prepared by separating components by each manufacturer. | | | | | | | | | | | | | | | | |
| Necessity to Introduce Foreign Equipment | | ○  -  ※ Specify in cases where the manufacturer is a foreign company. | | | | | | | | | | | | | | | | |

○ Objectives and Content of Facility and Equipment Construction

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| Classification | Content |
| Program (Research) Correspondence | ○  -  ※ Describe the relevance between the introduction of the requested equipment and the program (research).  ※ Describe if the equipment is essential to implement the program (research). |
| Utilization of Research Equipment | ○  -  ※ Describe the utilization plan and method for the research equipment in the program (research).  ※ Describe if the equipment has a high rate of utilization in the program (research) and if it is usable for other programs (research) after completion of the relevant program (research).  ※ Describe if the equipment can be jointly utilized by other institutions after construction. If possible, specify the names of the main institutions (expected) to utilize the equipment. |
| Appropriateness of Research Equipment | ○  -  ※ Describe if the equipment has appropriate specifications and performance for accomplishing the research goals.  ※ Describe the appropriateness of the price of the requested facility/equipment (including a price comparison with existing identical equipment or with equipment produced by other manufacturers)  ※ Describe a valid reason for the research to require the requested volumes, when requesting more than 2 items of research equipment. |

**〈Detailed Specifications for Research Equipment〉(2nd Year)**

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| ※ Please fill out this form if you plan to introduce research equipment in the 2nd year.  ※ You must fill out this form if you plan to introduce research equipment with the value of over 30 million won.  ※ Please delete this form if you have no plan to introduce research equipment with the value of over 30 million won in the 2nd year. |

○ Facility and Equipment Construction Overview

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| Classification | | Content | | | | | | | | | | | | | | | | |
| Project Title | |  | | | | | | | | | | | | | | | | |
| Name of Facility/Equipment | Korean | ※ Specify the Korean name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| English | ※ Specify the English name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| Manufacturer and Model  (If planning a bid for facility/equipment, specify at least 2 manufacturers and models) | | Country of Production | | | | | Manufacturer | | | | | | Model | | | | | |
| Domestic | | Korea | | |  | | | | | |  | | | | | |
| Foreign | | USA | | |  | | | | | |  | | | | | |
| Acquisition Method  (Please check the appropriate box) | | Purchase | | Lease | | | Rental | | | Production Request | | | Self-production | | | Other (Note) | | |
|  | |  | | |  | | |  | | |  | | |  | | |
| Construction Expenses  (Unit: Million KRW) | | Unit Price | Volume | | | Total Amount | | | Government Subsidy for Year 20XX | | | Amount of Self-contribution for Year 20XX (Via matching fund) | | | Applied Exchange Rate (In case of foreign capital) | | | Amount of Yearly Installment and Rent (If planning for installments or rent) |
|  |  | | |  | | |  | | |  | | |  | | |  |
| Construction schedule | | Expected Date of Order | | | | | | | | Expected Date of Installation | | | | | | | | |
| YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | |
| Usage of Facility/Equipment | | ○  -  ※ Describe in detail measurement purpose of the equipment, test targets, desired outcomes, etc. | | | | | | | | | | | | | | | | |
| Analysis | | | Test | | | Training | | | Instrumentatio | | | Production | | | Other | |
| Check the appropriate box | | |  | | |  | | |  | | |  | | |  | |
| Key Specifications | | ○  -  ※ Describe detailed specifications, features, and performance of items for consideration by the screening committee members.  ※ Estimates can be attached (within 6 months). The estimates should specify the names of detailed components comprising the relevant equipment and the cost amount of each component separately. If the estimates only suggest the total cost amount of equipment, it will not be accepted. If planning for a bid on equipment, please attach at least 2 estimates per manufacturer.  ※ If a system consists of components from more than 2 companies, specifications should be prepared by separating components by each manufacturer. | | | | | | | | | | | | | | | | |
| Necessity to Introduce Foreign Equipment | | ○  -  ※ Specify in cases where the manufacturer is a foreign company. | | | | | | | | | | | | | | | | |

○ Objectives and Content of Facility and Equipment Construction

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| Classification | Content |
| Program (Research) Correspondence | ○  -  ※ Describe the relevance between the introduction of the requested equipment and the program (research).  ※ Describe if the equipment is essential to implement the program (research). |
| Utilization of Research Equipment | ○  -  ※ Describe the utilization plan and method for the research equipment in the program (research).  ※ Describe if the equipment has a high rate of utilization in the program (research) and if it is usable for other programs (research) after completion of the relevant program (research).  ※ Describe if the equipment can be jointly utilized by other institutions after construction. If possible, specify the names of the main institutions (expected) to utilize the equipment. |
| Appropriateness of Research Equipment | ○  -  ※ Describe if the equipment has appropriate specifications and performance for accomplishing the research goals.  ※ Describe the appropriateness of the price of the requested facility/equipment (including a price comparison with existing identical equipment or with equipment produced by other manufacturers)  ※ Describe a valid reason for the research to require the requested volumes, when requesting more than 2 items of research equipment. |

**〈Detailed Specifications for Research Equipment〉(3rd Year)**

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| ※ Please fill out this form if you plan to introduce research equipment in the 3rd year.  ※ You must fill out this form if you plan to introduce research equipment with the value of over 30 million won.  ※ Please delete this form if you have no plan to introduce research equipment with the value of over 30 million won in the 3rd year. |

○ Facility and Equipment Construction Overview

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| Classification | | Content | | | | | | | | | | | | | | | | |
| Project Title | |  | | | | | | | | | | | | | | | | |
| Name of Facility/Equipment | Korean | ※ Specify the Korean name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| English | ※ Specify the English name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| Manufacturer and Model  (If planning a bid for facility/equipment, specify at least 2 manufacturers and models) | | Country of Production | | | | | Manufacturer | | | | | | Model | | | | | |
| Domestic | | Korea | | |  | | | | | |  | | | | | |
| Foreign | | USA | | |  | | | | | |  | | | | | |
| Acquisition Method  (Please check the appropriate box) | | Purchase | | Lease | | | Rental | | | Production Request | | | Self-production | | | Other (Note) | | |
|  | |  | | |  | | |  | | |  | | |  | | |
| Construction Expenses  (Unit: Million KRW) | | Unit Price | Volume | | | Total Amount | | | Government Subsidy for Year 20XX | | | Amount of Self-contribution for Year 20XX (Via matching fund) | | | Applied Exchange Rate (In case of foreign capital) | | | Amount of Yearly Installment and Rent (If planning for installments or rent) |
|  |  | | |  | | |  | | |  | | |  | | |  |
| Construction schedule | | Expected Date of Order | | | | | | | | Expected Date of Installation | | | | | | | | |
| YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | |
| Usage of Facility/Equipment | | ○  -  ※ Describe in detail measurement purpose of the equipment, test targets, desired outcomes, etc. | | | | | | | | | | | | | | | | |
| Analysis | | | Test | | | Training | | | Instrumentatio | | | Production | | | Other | |
| Check the appropriate box | | |  | | |  | | |  | | |  | | |  | |
| Key Specifications | | ○  -  ※ Describe detailed specifications, features, and performance of items for consideration by the screening committee members.  ※ Estimates can be attached (within 6 months). The estimates should specify the names of detailed components comprising the relevant equipment and the cost amount of each component separately. If the estimates only suggest the total cost amount of equipment, it will not be accepted. If planning for a bid on equipment, please attach at least 2 estimates per manufacturer.  ※ If a system consists of components from more than 2 companies, specifications should be prepared by separating components by each manufacturer. | | | | | | | | | | | | | | | | |
| Necessity to Introduce Foreign Equipment | | ○  -  ※ Specify in cases where the manufacturer is a foreign company. | | | | | | | | | | | | | | | | |

○ Objectives and Content of Facility and Equipment Construction

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| Classification | Content |
| Program (Research) Correspondence | ○  -  ※ Describe the relevance between the introduction of the requested equipment and the program (research).  ※ Describe if the equipment is essential to implement the program (research). |
| Utilization of Research Equipment | ○  -  ※ Describe the utilization plan and method for the research equipment in the program (research).  ※ Describe if the equipment has a high rate of utilization in the program (research) and if it is usable for other programs (research) after completion of the relevant program (research).  ※ Describe if the equipment can be jointly utilized by other institutions after construction. If possible, specify the names of the main institutions (expected) to utilize the equipment. |
| Appropriateness of Research Equipment | ○  -  ※ Describe if the equipment has appropriate specifications and performance for accomplishing the research goals.  ※ Describe the appropriateness of the price of the requested facility/equipment (including a price comparison with existing identical equipment or with equipment produced by other manufacturers)  ※ Describe a valid reason for the research to require the requested volumes, when requesting more than 2 items of research equipment. |

**〈Detailed Specifications for Research Equipment〉(4th Year)**

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| ※ Please fill out this form if you plan to introduce research equipment in the 4th year.  ※ You must fill out this form if you plan to introduce research equipment with the value of over 30 million won.  ※ Please delete this form if you have no plan to introduce research equipment with the value of over 30 million won in the 4th year. |

○ Facility and Equipment Construction Overview

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| Classification | | Content | | | | | | | | | | | | | | | | |
| Project Title | |  | | | | | | | | | | | | | | | | |
| Name of Facility/Equipment | Korean | ※ Specify the Korean name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| English | ※ Specify the English name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| Manufacturer and Model  (If planning a bid for facility/equipment, specify at least 2 manufacturers and models) | | Country of Production | | | | | Manufacturer | | | | | | Model | | | | | |
| Domestic | | Korea | | |  | | | | | |  | | | | | |
| Foreign | | USA | | |  | | | | | |  | | | | | |
| Acquisition Method  (Please check the appropriate box) | | Purchase | | Lease | | | Rental | | | Production Request | | | Self-production | | | Other (Note) | | |
|  | |  | | |  | | |  | | |  | | |  | | |
| Construction Expenses  (Unit: Million KRW) | | Unit Price | Volume | | | Total Amount | | | Government Subsidy for Year 20XX | | | Amount of Self-contribution for Year 20XX (Via matching fund) | | | Applied Exchange Rate (In case of foreign capital) | | | Amount of Yearly Installment and Rent (If planning for installments or rent) |
|  |  | | |  | | |  | | |  | | |  | | |  |
| Construction schedule | | Expected Date of Order | | | | | | | | Expected Date of Installation | | | | | | | | |
| YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | |
| Usage of Facility/Equipment | | ○  -  ※ Describe in detail measurement purpose of the equipment, test targets, desired outcomes, etc. | | | | | | | | | | | | | | | | |
| Analysis | | | Test | | | Training | | | Instrumentatio | | | Production | | | Other | |
| Check the appropriate box | | |  | | |  | | |  | | |  | | |  | |
| Key Specifications | | ○  -  ※ Describe detailed specifications, features, and performance of items for consideration by the screening committee members.  ※ Estimates can be attached (within 6 months). The estimates should specify the names of detailed components comprising the relevant equipment and the cost amount of each component separately. If the estimates only suggest the total cost amount of equipment, it will not be accepted. If planning for a bid on equipment, please attach at least 2 estimates per manufacturer.  ※ If a system consists of components from more than 2 companies, specifications should be prepared by separating components by each manufacturer. | | | | | | | | | | | | | | | | |
| Necessity to Introduce Foreign Equipment | | ○  -  ※ Specify in cases where the manufacturer is a foreign company. | | | | | | | | | | | | | | | | |

○ Objectives and Content of Facility and Equipment Construction

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| --- | --- |
| Classification | Content |
| Program (Research) Correspondence | ○  -  ※ Describe the relevance between the introduction of the requested equipment and the program (research).  ※ Describe if the equipment is essential to implement the program (research). |
| Utilization of Research Equipment | ○  -  ※ Describe the utilization plan and method for the research equipment in the program (research).  ※ Describe if the equipment has a high rate of utilization in the program (research) and if it is usable for other programs (research) after completion of the relevant program (research).  ※ Describe if the equipment can be jointly utilized by other institutions after construction. If possible, specify the names of the main institutions (expected) to utilize the equipment. |
| Appropriateness of Research Equipment | ○  -  ※ Describe if the equipment has appropriate specifications and performance for accomplishing the research goals.  ※ Describe the appropriateness of the price of the requested facility/equipment (including a price comparison with existing identical equipment or with equipment produced by other manufacturers)  ※ Describe a valid reason for the research to require the requested volumes, when requesting more than 2 items of research equipment. |

**〈Detailed Specifications for Research Equipment〉(5th Year)**

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| ※ Please fill out this form if you plan to introduce research equipment in the 5th year.  ※ You must fill out this form if you plan to introduce research equipment with the value of over 30 million won.  ※ Please delete this form if you have no plan to introduce research equipment with the value of over 30 million won in the 5th year. |

○ Facility and Equipment Construction Overview

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| Classification | | Content | | | | | | | | | | | | | | | | |
| Project Title | |  | | | | | | | | | | | | | | | | |
| Name of Facility/Equipment | Korean | ※ Specify the Korean name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| English | ※ Specify the English name of the facility or equipment here. | | | | | | | | | | | | | | | | |
| Manufacturer and Model  (If planning a bid for facility/equipment, specify at least 2 manufacturers and models) | | Country of Production | | | | | Manufacturer | | | | | | Model | | | | | |
| Domestic | | Korea | | |  | | | | | |  | | | | | |
| Foreign | | USA | | |  | | | | | |  | | | | | |
| Acquisition Method  (Please check the appropriate box) | | Purchase | | Lease | | | Rental | | | Production Request | | | Self-production | | | Other (Note) | | |
|  | |  | | |  | | |  | | |  | | |  | | |
| Construction Expenses  (Unit: Million KRW) | | Unit Price | Volume | | | Total Amount | | | Government Subsidy for Year 20XX | | | Amount of Self-contribution for Year 20XX (Via matching fund) | | | Applied Exchange Rate (In case of foreign capital) | | | Amount of Yearly Installment and Rent (If planning for installments or rent) |
|  |  | | |  | | |  | | |  | | |  | | |  |
| Construction schedule | | Expected Date of Order | | | | | | | | Expected Date of Installation | | | | | | | | |
| YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | YYYY-MM-DD ~ YYYY-MM-DD | | | | | | | | |
| Usage of Facility/Equipment | | ○  -  ※ Describe in detail measurement purpose of the equipment, test targets, desired outcomes, etc. | | | | | | | | | | | | | | | | |
| Analysis | | | Test | | | Training | | | Instrumentatio | | | Production | | | Other | |
| Check the appropriate box | | |  | | |  | | |  | | |  | | |  | |
| Key Specifications | | ○  -  ※ Describe detailed specifications, features, and performance of items for consideration by the screening committee members.  ※ Estimates can be attached (within 6 months). The estimates should specify the names of detailed components comprising the relevant equipment and the cost amount of each component separately. If the estimates only suggest the total cost amount of equipment, it will not be accepted. If planning for a bid on equipment, please attach at least 2 estimates per manufacturer.  ※ If a system consists of components from more than 2 companies, specifications should be prepared by separating components by each manufacturer. | | | | | | | | | | | | | | | | |
| Necessity to Introduce Foreign Equipment | | ○  -  ※ Specify in cases where the manufacturer is a foreign company. | | | | | | | | | | | | | | | | |

○ Objectives and Content of Facility and Equipment Construction

|  |  |
| --- | --- |
| Classification | Content |
| Program (Research) Correspondence | ○  -  ※ Describe the relevance between the introduction of the requested equipment and the program (research).  ※ Describe if the equipment is essential to implement the program (research). |
| Utilization of Research Equipment | ○  -  ※ Describe the utilization plan and method for the research equipment in the program (research).  ※ Describe if the equipment has a high rate of utilization in the program (research) and if it is usable for other programs (research) after completion of the relevant program (research).  ※ Describe if the equipment can be jointly utilized by other institutions after construction. If possible, specify the names of the main institutions (expected) to utilize the equipment. |
| Appropriateness of Research Equipment | ○  -  ※ Describe if the equipment has appropriate specifications and performance for accomplishing the research goals.  ※ Describe the appropriateness of the price of the requested facility/equipment (including a price comparison with existing identical equipment or with equipment produced by other manufacturers)  ※ Describe a valid reason for the research to require the requested volumes, when requesting more than 2 items of research equipment. |