## **Purpose of the Research**

The applicant shall indicate the general nature of the research and the specific purpose of the research, after succinctly summarizing it and providing an outline at the beginning, and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

- 1) Purpose of Research (what will be elucidated and to what extent it will be pursued during the research period for which KAKENHI is applied for)
- 2) Scientific characteristics, originality and expected achievements and significance of the research in the area

	* Concerning the Purpose of the Research Project, the applicant should succinctly summarized the project of the projec
d describe in detail.	

## Continued - 2

	Continued - 2
Progress of the Research until FY2016	Indicate the state of progress of the research and the new findings

### Continued - 3

	Continued - 3
<b>Assessment of the Research</b>	Indicate how the initially planned purposes of the research, the research plan and methods
until FY2016	have been achieved. Also describe the actual scientific problems with implementation of the
MINITE I MULU	research.

#### Research Plan and Methods after FY2017

Indicate the research plan and methods after FY2017 in a specific and clear manner, after succinctly summarizing it and providing an outline at the beginning. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed. The plan and methods should indicate achievements through a discussion from multiple aspects, such as the action in the event that the research does not progress as originally planned. In addition, the following points should be highlighted.

1) Where the research is being implemented by a research team, the specific roles (using figures, tables and other visual aids). In case the research plan is being implemented together with Co-Investigators (kenkyu-buntansha) of the Principal Investigator, and if cooperation with Co-Investigator(s) (kenkyu-buntansha) is needed, describe the necessity, validity and the connection with the purpose of the research. In order to clearly indicate the general view of the research team, state the roles of the Co-Investigators (renkei-kenkyusha) and Research Collaborators [e.g., overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (names and number of members may be stated)]

research support, such as technical experts and intellectual property specialists, graduate students and others (names and number of members
may be stated)].
2) If the Principal Investigator is employed in conducting other research work, or if the Principal Investigator has other research work that is
not an occupational task, connection with and differences from the present research
3) How the research achievements are disseminated to society and people
Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the
applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.
Research Plan and Method (Outline) *Concerning the Research Plan and Method to accomplish the Purpose of the Research,
the applicant should succinctly summarize and describe in detail.

Changes from the Initial Plan	
State details of the research plan and methods, equipment and major research cost when the KAKENHI was provided. State	te the changes and
reasons where applicable.	
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Publication of Research Achievements	
Publication of Research Achievements	4
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Protection of Human Rights and Compliance with Laws and Regulations (cf. Application
Procedures for Grants-in-Aid for Scientific Research)  Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example
questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.
Rationality and Justification of the Research Costs
The applicant should fill in the rationality, necessity and grounds for calculating the research costs to be stated on the following page and thereafter based on the scale and organization of the research given in <i>Research Plan and Methods</i> . Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous"
account for a particularly large percentage of the budget in any single fiscal year.

(Unit: thousands of yen)

Statement Costs for Equipment			Statement of Costs for Consumables			
See Procedures for Preparing and Entering a Proposal for Grant-in-Aid (Continued)			See Procedures for Preparing and Entering a Proposal for			
	1 0	Grant-in-Aid (Continued)				
	Item and Specifications					
FY	(Unit price × qty) (Institution where	Amount	Item	Amount		
	equipment is to be installed)	(¥)		(¥)		
2017	oquipment is to community					
2017						
		1				
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(Unit: thousands of yen)

Statom	(Unit: thousands of yen)  Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid (Continued)								
Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid (Continued)									
FY	Domestic Travel Expenses		Expenses	erseas Travel Personnel I Expenses and Rem		ation		Miscellaneous	
001=	Item	Amount	Item	Amount	Item	Amount	Item	Amount	
2017									