

## 附属資料

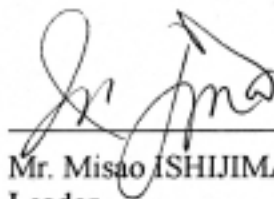
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**MINUTES OF MEETING BETWEEN  
JAPAN INTERNATIONAL COOPERATION AGENCY AND  
AUTHORITIES CONCERNED OF THE GOVERNMENT OF  
THE REPUBLIC OF INDONESIA  
ON JAPANESE TECHNICAL COOPERATION FOR  
THE FOREST FIRE PREVENTION MANAGEMENT PROJECT  
PHASE TWO IN INDONESIA**

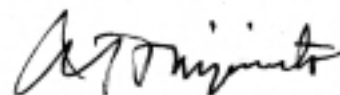
The Japanese Project Consultation Team (hereinafter referred to as "the Team") organised by the Japan International Cooperation Agency (hereinafter referred to as "JICA") and headed by Mr. Misao ISHIJIMA visited Indonesia in order to grasp the circumstances of project activities and problems which occurs in the Project based on the Monitoring Report of the Project and give advice about them.

As a result of meetings, the Team and the Indonesian authorities reached common understandings concerning Monitoring Report and the matters referred to ANNEX attached hereto.

Jakarta, January 17, 2002



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Mr. SUHARIYANTO  
Director General,  
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The Republic of Indonesia

Regarding the safety measure for the Project activities in National Parks, the Team appreciates the cooperation of the Indonesian authorities relating to the Project.

Since the full-scale activities in National Parks will start from the year 2002, the Team strongly requests the continuance of supports from the Indonesian authorities for the safety of JICA Experts.

The facility for the training for the initial suppression of forest fires will be built in Bukit Tiga Puluh National Park using the budget of JFY 2001. It is desired that the facility shall be fully utilized.

MONITORING REPORT No. 1 Date; 17<sup>th</sup> January, 2002

(Achievement of Project Purpose)

Project Purpose Forest fire prevention and initial suppressions (which are sustainable, feasible and replicable with Indonesian resources) to protect national parks are carried out.	<Achievement> - The character of each target national park related to forest fire was studied. - Assistance for improvement of the national policy for forest fire prevention was carried out through CGI discussion and meetings.
If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.	
Output Achievement Level	
Changes in important Assumptions / Pre-conditions	<Output – Project Purpose Level>
	<Activities – Outputs Levels>
	<Pre-conditions>
Recommended Countermeasures	

(Achievement of Output)

Output 1 <Plan> The capacity of the Indonesian Government to engage in forest fire prevention and initial suppression of fires in forest areas, and especially those that may expand to national parks, is improved and strengthened.	<Achievement> - The basic studies in 3 National Parks ( Bukit Tiga Puluh, Way Kambas and Gunung Palung ) have been started for each activity.
If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.	
Progress of each Activities	
Changes in important Assumptions / Pre-conditions	<Activities – Outputs Levels> - Some activities such as early warning and detection system depend on the necessary equipment and facility that is not enough level in present situation.
	<Pre-conditions>
Recommended Countermeasures - The cooperation and corroboration with other projects such as the forest fire equipment provision and rehabilitation (Grant Aid Scheme) will be expected.	

<p>Output 2</p> <p>&lt;Plan&gt;</p> <p>The awareness of people of the necessity for forest conservation and forest fire prevention is increased and strengthened.</p>	<p>&lt;Achievement&gt;</p> <ul style="list-style-type: none"> <li>- The hot spot information via Internet was used not only by Indonesian forest fire related organization but the researchers and fire related organization of the world.</li> <li>- The announcement by TV and newspaper got success to promote the awareness especially the urban people including main policy makers and formal and informal leaders.</li> </ul>
<p>If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.</p>	
<p>Progress of each Activities</p>	<ul style="list-style-type: none"> <li>- Both national and local level campaign were postponed to next year because of the insufficient preparation time due to the changing of experts and C/Ps and the delay of budget allocation of both sides.</li> </ul>
<p>Changes in important Assumptions / Pre-conditions</p>	<p>&lt;Activities – Outputs Levels&gt;</p>
	<p>&lt;Pre-conditions.</p>
<p>Recommended Countermeasures</p> <ul style="list-style-type: none"> <li>- Organizing a task force team for the national campaign is recommended.</li> </ul>	

<p>Output 3</p> <p>&lt;Plan&gt;</p> <p>Methods and techniques for increasing and strengthening local residents' willingness and capability in participatory forest fire prevention management are examined.</p>	<p>&lt;Achievement&gt;</p> <ol style="list-style-type: none"> <li>1 The socio-economic study was carried out on Bukit Tigapuluh national park.</li> <li>2 A program that corroborates with NGOs to implement the field extension activities were started by the proposal competition workshop.</li> </ol>
<p>If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.</p>	
<p>Progress of each Activities</p>	
<p>Changes in important Assumptions / Pre-conditions</p>	<p>&lt;Activities – Outputs Levels&gt;</p>
	<p>&lt;Pre-conditions.</p> <ul style="list-style-type: none"> <li>- Some national parks have a problem in managing the park with local communities or tempted people by unlawful activities</li> </ul>
<p>Recommended Countermeasures</p> <ul style="list-style-type: none"> <li>- Many kinds of approach to the local community should be considered.</li> <li>- Development of the way to corroborate with NGO and/or informal groups such as some religion groups should be considered.</li> </ul>	

(Progress of Activities)

<p>Activities 1-1 &lt;Plan&gt; To improve the early warning and detection system using satellite information.</p>	<p>&lt;Progress Report&gt; 1 To develop the automatic system of hot spot data processing. (The automatic processing system which convert the data to html-file for uploading to the project home page and to send e-mail to each client daily has been developed.) 2 To develop the forest fire monitoring techniques. (The daily hot spot data were evaluated in the field level in the national parks.) 3 To study techniques of the warning systems. (The technique has been developed to analyze the draught index using NOAA data.) 4 To collect weather and climate information. (This activity will be started in February 2002 after the delivery of equipments.) 5 To improve the feedback system. (To introduce the information system and hot spot data to staff of the target national parks in training workshop.) 6 To develop the map for forest fire management using satellite information. (The techniques were introduced to Way Kambas and Gunung Palung national parks in the training courses of rangers.)</p>
<p>If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.</p>	
<p><b>Changes in Pre-conditions</b></p>	
<p>Input Level</p>	
<p>Other factors</p>	
<p>Recommended Countermeasures</p>	

<p>Activities 1-2 &lt;Plan&gt; To disseminate the early warning and detection system to the field level.</p>	<p>&lt;Progress Report&gt; To improve the techniques of hot spot data processing at the national park level. (The techniques were introduced to the C/P and staff of the target national parks in the training workshop.)</p>
<p>If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.</p>	
<p><b>Changes in Pre-conditions</b></p>	
<p>Input Level</p>	
<p><b>Other factors</b> - For field implementation at the target national parks, it should be waited until the installing of necessary equipment which will be provided by the Grant Aid (equipment provision).</p>	
<p>Recommended Countermeasures</p>	

Activities 1-3 <Plan> To provide information related to early detection and warning using satellite images to the national parks and surrounding areas	<Progress Report>  To provide information related to early detection and warning using satellite images to the national parks and surrounding areas
If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.	
Changes in Pre-conditions	
Input Level	
Other factors - For field implementation at the target national parks, it should be waited until the installing of necessary equipment which will be provided by the Grant Aid (equipment provision) .	
Recommended Countermeasures	

Activities 1-4 <Plan> To analyze hot spot data collected by the project and field surveys.	<Progress Report> 1 To analyze the hot spot data by the land use and others. (The reports of the relation of hot spot and land use were provided to Ministry of Forestry and related organization when the number of hot spot increased.) 2 To analyze the hot spot data by the field surveys. (The result of the survey in Bukit Tiga Puluh will be shown in February 2002.)
If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.	
Changes in Pre-conditions	
Input Level	
Other factors	
Recommended Countermeasures	

<p>Activities 1-5</p> <p>&lt;Plan&gt;</p> <p>To improve the field-level forest fire management system using KBDI (Keetch-Byram Drought Index) method.</p>	<p>&lt;Progress Report&gt;</p> <p>1 To disseminate and extend KBDI method. (The method was introduced in the extension activity at the local communities.)</p> <p>2 To develop the techniques of announcement to the people surrounding the national parks using KBDI. (The method was discussed in the NGO workshop for collaboration with them in the extension activities.)</p>
<p>If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.</p>	
<p>Changes in Pre-conditions</p>	
<p>Input Level</p>	
<p>Other factors</p>	
<p>Recommended Countermeasures</p>	

<p>Activities 1-6</p> <p>&lt;Plan&gt;</p> <p>To develop the curriculum for the human resources development for fire-fighting.</p>	<p>&lt;Progress Report&gt;</p> <p>1 To develop training courses according to the technical levels. (Project leads the discussion for establishing the national standard of training for forest fire suppression. The study of existing training has started.)</p> <p>2 To develop training curriculums. (Some models of daily drill program for national park fire-fighting team have been developed in Way Kambas and Gunung Palung national park.)</p> <p>3 To develop training materials. (A training manual and Video CD for daily drill for fire-fighting team were developed.)</p>
<p>If there is any advancement/delay compared with the original plan, please clarify the causes and influencing factors in columns below.</p>	
<p>Changes in Pre-conditions</p>	
<p>Input Level</p>	
<p>Other factors</p>	
<p>Recommended Countermeasures</p>	