BASIC DESIGN STUDY REPORT ON THE GRANT AID PROJECT FOR ENHANCEMENT OF THE CIVILIAN POLICE IN THE REPUBLIC OF INDONESIA

JULY, 2004

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) YACHIYO ENGINEERING CO., LTD.

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PREFACE

In response to a request from the Government of the Republic of Indonesia, the Government of Japan decided to conduct a Basic Design Study on the Grant Aid Project for Enhancement of the Civilian Police in the Republic of Indonesia and entrusted the study to the Japan International Cooperation Agency (JICA).

JICA sent to Indonesia a study team from April 11 to May 8, 2004.

The team held discussions with the officials concerned of the Government of Indonesia, and conducted a field study at the study area. After the team returned to Japan, further studies were made. Then, a mission was sent to Indonesia in order to discuss a draft basic design, and as this result, the present report was finalized.

I hope that this report will contribute to the promotion of the project and to the enhancement of friendly relations between our two countries.

I wish to express my sincere appreciation to the officials concerned of the Government of the Republic of Indonesia for their close cooperation extended to the teams.

July, 2004

Yasuo Matsui Vice-President Japan International Cooperation Agency

LETTER OF TRANSMITTAL

July, 2004

We are pleased to submit to you the Basic Design Study Report on the Grant Aid Project for Enhancement of the Civilian Police in the Republic of Indonesia.

This study was conducted by Yachiyo Engineering Co., Ltd., under a contract to JICA, during the period from April, 2004 to July, 2004. In conducting the study, we have examined the feasibility and rationale of the project with due consideration to the present situation of Indonesia and formulated the most appropriate basic design for the project under Japan's grant aid scheme.

Finally, we hope that this report will contribute to further promotion of the project.

Very truly yours,

上田正明

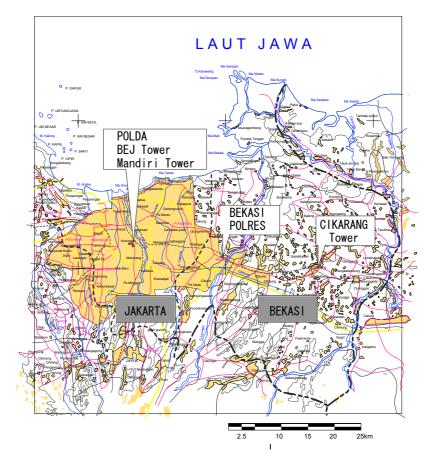
Masaaki Ueda Chief Consultant, Basic Design Study Team on the Grant Aid Project for Enhancemnt of the Civilian Police in the Republic of Indonesia

Yachiyo Engineering Co., Ltd.





THE REPUBLIC OF INDONESIA



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ABBREVIATIONS

ADB	Asian Development Bank
AES/EBU	Audio Engineering Society/ European Broadcast Union
AVR	Automatic Voltage Regulator
CCIR	Consultative Committee for International Radio
C G I	Consultative Group on Indonesia
DEA	Drug Enforcement Administration
E/N	Exchange of Notes
G P S	Global Positioning System
ΙΕC	International Electrotechnical Commission
IMF	International Monetary Fund
ΙΝΡ	Indonesian National Police
ISO	International Organization for Standards
ΙΤU	International Telecommunication Union
JCS	Japanese Electrical Wire and Cable Maker's Association Standards
JEAC	Japan Electric Association Code
JEC	Japanese Electro-technical Committee
JEM	Standards of Japan Electrical Manufacturer's Association
ЈІСА	Japan International Cooperation Agency
JIS	Japanese Industrial Standards
M∕D	Minutes of Discussion
ODA	Official Development Assistance
PRSP	Poverty Reduction Strategy Papers
TDM	Time Division Multiplex
UNDP	United Nations Development Programme
UPS	Uninterruptible Power System
VSWR	Voltage Standing Wave Rate
WG	Working Group

SUMMARY

SUMMARY

The Republic of Indonesia (hereinafter referred to as "Indonesia") has a population of approximately 200 million and is an island country consisting of approximately 15,000 islands. It is a nation of diversified social and cultural background with approximately 300 ethnic groups and approximately 250 languages utilized.

The Government of Indonesia considers the most important matter for social development and economic growth in their multiracial and multicultural society to be the maintaining of public solidarity by promoting mutual understanding between citizens and harmony between ethnic groups while respecting social and cultural traditions and uniqueness.

However, due to the diversity of this multiracial nation, there have been ethnic and regional conflicts, such as in Aceh, Papua, Maluku and Poso. Some political and religious groups have also become more radical, for example, the series of bombings and terrorist activities by Jemmah Islamia. Moreover, crimes of atrocity and other crimes such as theft, car theft and illegal drug trafficking are common. In particular, the number of drug or gun-related crimes or money-related crimes has increased steadily in recent years.

Although the roles of the national police in dealing with crime nationwide and in ensuring public safety have increased, the recently independent national police force is unable to fulfill its mission and provide services of a police administration.

Based on the recognition that the services of the democratic police administration are indispensable to the Government of Indonesia in the aim of creating a democratic socio-economic system by unifying the nation (bringing the country together as one nation), it is endeavoring to promote policies necessary to strengthening the organization and function of the national police.

Under such a background, at the request of the Government of Indonesia, Japan International Cooperation Agency (hereinafter referred to as "JICA") has implemented the "Program for Supporting Reform of the National Police "(Program) for the purpose of "democratic police administration", "expedition and efficiency of police activities", "decrease in crime rate", "improvement in public services" and "awareness reform within the police organization" mainly by dispatching experts to the Indonesian National Police (hereinafter referred to as "INP") in order to assist the Chief of INP in policy making. As a model of civilian police activities, a technical cooperation project (hereinafter referred to as "technical project") has been implemented mainly at the Bekasi Report Police Station. Although support for INP

reform, a counterpart of the Program, is being conducted through various schemes such as the "technical project "or dispatching of experts, the necessary equipment and materials are in short supply.

Consequently, the Government of Indonesia has requested a grant aid to the Government of Japan for facilities necessary in the jurisdiction of the Bekasi Resort Police Station and funding required for the procurement of equipment.

However, there were no detailed information on the contents of facilities and equipment subject to the request, so it was difficult to examine the relevance and necessity of the contents requested by the Indonesian side after minutely investigating progress made in the transfer of technologies through the "technical project" and the manifestation of effects. Consequently, JICA implemented a preliminary survey in October 2003 mainly for the purpose of 1) confirming the progress made in the transfer of technologies and manifestation of effects, 2) to confirm the contents of the request, and 3) to closely examine survey items in the Basic Design Study.

As a result, it has been confirmed that: ① the requested equipment (equipment and materials for preparing a radio network, upgrading facilities and equipment and diffusing of criminal identification and drug enforcement) are crucial, ② the effects can be guaranteed by providing the requested facilities, equipment and materials in line with the measures for technical cooperation, and ③ the Indonesian side already has the construction concept for model police *Koban* (police box) at twelve (12) locations, and three locations are scheduled to be built in advance through the "technical project", so that the remaining nine locations are included in the requested cooperation.

In response to the above-mentioned preliminary survey, in order to verify the relevance of the Project requested and to determine the estimated project cost, JICA dispatched the Basic Design Study Team to the actual sites from April 11 to May 9, 2004. The team held discussions with Indonesian government officials and INP representatives and gathered relevant information and data.

Based on the contents of the request, from the various aspects such as INP competency in operating and maintaining equipment and optimal equipment arrangement planning, the Study Team examined the optimal equipment descriptions, scale and quantity and prepared a basic design draft. Based on this, JICA dispatched the same Study Team to Indonesia between June 14 and 19, 2004 to explain the outline of the basic design and discussed the basic design draft. The outline of the basic design finally proposed is as follows.

Radio Communication Area :	Construction of a radio communication system
	within the jurisdiction of the Bekasi Resort
	Police, preparation of repeater sites in the
	construction of a telecommunication system
	between the Jakarta Metropolitan Police and the
	Bekasi Resort Police.
Onsite Criminal Identification Area :	Onsite criminal identification set, photograph developing and printing equipment
Drug Enforcement Area :	Simple drug identification set and sample reagents, small-scale radio system for criminal investigation

Although the request for Koban set by the Indonesian side has been confirmed, it was difficult to secure all the lots needed for Koban at the time of the field survey. Furthermore, according to the "Technical Project", a certain monitoring period of the function and utilization of the new Koban system is necessary after completion. Therefore, a survey of Koban facilities design and related equipment and materials should be conducted separately, a step not include in this Project.

The construction period of the Project and estimated project cost are anticipated to be approximately ten (10) months and approximately \$5.2 billion (Japanese portion of \$518 million and Indonesian portion of \$4.4 million respectively).

It is crucial that good governance be recognized in order to create a democratic, fair and transparent social system not only to obtain the trust overseas, but also for social stability and the infrastructure for sustainable economic growth.

In due consideration of such details, the Project was designed for the purpose of contributing to the promotion of the Program ① by constructing a radio communication network for the Bekasi Resort Police station under the Program's "technical project", ② by preparing onsite criminal identification equipment and materials, and ③ through simple drug identification equipment and materials of individual experts in the Program.

To achieve the above-mentioned goal, the Project will involve the provision of equipment and materials necessary to construct a radio communication network within the jurisdiction of the Bekasi Report Police, equipment and materials for onsite criminal identification and simple drug identification at ten (10) locations in drug control priority areas at the Jakarta Metropolitan Police and three copying stations (three police stations on Java Island where the

transfer of technologies to the Indonesian side is planned with the Bekasi Resort Police as a model). Consequently, technical guidance activities by experts will be promoted, a modern civilian police force requested of INP, in other words, swift police activities and civil services will be improved through a new radio Communication system. In addition, improvement in scientific investigation based on objective evidence is also expected.

As a part of the democratization promoted by the Government of Indonesia, the Project will help to improve climate for investment with the goal of realizing the "creation of a democratic and fair society" through a more democratic and competent police force.

There are no technical problems in terms of operation and maintenance of equipment to be procured under the Project because technical guidance can be obtained from Japanese experts. The securing of a maintenance budget is expected.

As a result of a comprehensive examination of the project effects and organizational competency of the other party, there is considerable support for the above-mentioned Program through the Japan's Grant Aid Scheme.

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- 2 Study Schedule
- 3 List of Parties Concerned in the Recipient Country
- 4 Minutes of Discussion

Chapter 1 Background of the Project

CHAPTER 1 BACKGROUND OF THE PROJECT

1-1 Outline of the Request

The contents of the request made by the Government of Indonesia are as follows.

		Quant	tity
No.	Equipment	Preliminary Study	Basic Design Study
[Radio Communication System]			
1	Subscriber Radio	500	500
2	Speaker-Mic for Subscriber Radio	500	500
3	Mobile Radio	80	80
4	Station Operation	2	2
5	Generators (Diesel)	1	1
6	UPS	1	1
7	AC Distributor	1	1
8	Battery	1	1
9	Controller	1	1
10	Repeater	1	2
11	Channel Bank	1	2
12	Module	1	1
13	Test Equipment and Tools	1	1
14	Programming Kit and Manual	1	1
15	Microwave Link	1	1
16	Renovation of existing system	1	1
17	Renovation of steel tower	1	-
18	Renovation of repeater room	1	-
[Ons	ite Criminal Identification]		
1	Powder method crime fingerprint collection kit	3	3
2	Chemical method fingerprint collection set	3	3
3	Field photograph set	3	3
4	Field photograph development machine	1	1
5	Color photograph printing machine	1	1
6	Agents and materials for photograph developing and printing	1	1
7	Instant printing system	1	1
8	Air conditioner	—	1
(Dru	g Enforcement】		
1	Drug test set	250	400
2	Materials for Drug test	500	_
3	Urine Analysis Test Kit for Methamphetamine	250	_
4	Refrigerator	250	400
5	Coolant	750	_
6	Break Preventive Cushion	250	_
7	Neutralizer	250	_
8	Reaction Pallet	500	(400)
9	Latex Glove	250	_
10	Plastic Bag for safe keeping Evidences	250	_
11	Flashlight	250	(400)
12	Photograph Set	250	(400)
13	Closed radio communication System	_	1

List of Equipment Requested in the Proposal

(KOE	[KOBAN Set]		
1	4WD	9	
2	Motorcycle	18	
3	Mobile radio	9	
4	Subscriber radio	45	
5	FAX	9	
6	KOBAN building	9	

Note : 1) Items highlighted are additional request at Basic Design Study.

- 2) Preliminary Study and Basic Design Study were carried out on October 2003 and April 2004 respectively.
- 3) Although the request for Koban (police box) set has been confirmed by Indonesian side, it was difficult to secure all the lots for Koban at the time of the field survey. In addition, as the "Technical Project" a certain monitoring period of the function and utilization of the new Koban system is necessary after completion. Therefore, a survey of Koban facilities design and related equipment and materials should be conducted separately, a measure not included in this Project.