

資料-1 調査団員・氏名

1 調査団員・氏名

氏名	担当業務	現職
中曽根 慎良	団長・総括(1)	地球環境部水資源・防災グループ 防災第一課 課長
富谷 喜一	団長・総括(2)	インドネシア事務所 次長
小林 千晃	計画管理	地球環境部水資源・防災グループ 防災第一課 職員
長谷川 庄司	調達監理計画	財団法人 日本国際協力システム 業務第一部 次長
南 直行	業務主任	八千代エンジニアリング株式会社
山本 壽幸	副業務主任	八千代エンジニアリング株式会社
車田 輝雄	学校計画・設計(1) /自然条件調査	八千代エンジニアリング株式会社
ショウ智子	コミュニティ防災/住民参加型学校建設	OYO インターナショナル株式会社
那須 光弘	学校計画・設計(1)	八千代エンジニアリング株式会社
加瀬 敬康	試験施工監理	八千代エンジニアリング株式会社
鶴岡 葉介	試験施工計画・積算	八千代エンジニアリング株式会社
小林 辰哉	施工計画積算	八千代エンジニアリング株式会社
山崎 吉高	防災教育(1)	OYO インターナショナル株式会社
金子 史夫	防災教育(2)	OYO インターナショナル株式会社
高嶋 繁生	社会環境配慮/GIS	八千代エンジニアリング株式会社
安西 洋子	業務調整	八千代エンジニアリング株式会社

資料-2 調査行程

2. 調査行程 (1次、2次調査)

日順	月日	曜日	雷団員			業務主任/建築技術	構造設計/調達計画	学校計画・設計(1) /自然条件調査	学校計画・設計(2)	試験施工計画・積算	施工計画・積算	社会環境配慮/GIS	宿泊地
			総括	計画管理	調達監理計画(JICS)								
1	12月18日	金	中曽根 保良	小林 千晃	長谷川 庄司	南 直行	山本 壽幸	重田 輝雄	那須 光弘	鶴岡 義介	小林 辰哉	高崎 繁生	ジャカルタ (セラム新年)
2	12月19日	土	移動[成田 11:10 → ジャカルタ 17:10, JL725]										
3	12月20日	日	移動[ジャカルタ 06:10 → バタン 07:50, GA160] ・西ヌラ州、バタン市、バタンハリアマン県とのインセプションレポートに関する合同協議 ・対象校視察(バタンハリアマン市内)										
4	12月21日	月	バタンハリアマン県担当局長敬、インセプションレポートの説明・協議 ・対象校視察(バタンハリアマン県内) 移動[バタン 17:55 → ジャカルタ 19:40, GA165]										
4	12月21日	月	・日本大使館(EOJ)表敬 ・国家計画開発庁(BAPPENAS)、国家防災庁(BNPF)、公共事業省(PU)、教育省(MoNE)表敬及びインセプションレポートの説明・協議										
5	12月22日	火	・PU及びAusAIDとの協議										
6	12月23日	水	・「I」国間とのOM/D署名 ・日本大使館(EOJ)/JICAインテグレーション事務所報告 (官団員:ジャカルタ)										
7	12月24日	木	(成田着)										
8	12月25日	金	・団内協議 移動[ジャカルタ 10:45 → バタン 12:25, GA162] ・西ヌラ州地方開発企画庁(BAPPEDA)との打合せ										
9	12月26日	土	・対象校調査(バタンハリアマン県) ・基本計画案作成										
10	12月27日	日	・対象校調査(バタンハリアマン県) ・基本計画案作成 ・概要資料作成										
11	12月28日	月	・概要資料作成 ・対象校調査(バタン市) ・カンタハートとの打合せ、情報収集										
12	12月29日	火	・概要資料作成 ・カンタハートとの打合せ、情報収集										
13	12月30日	水	・西ヌラ州防災管理計画説明会出席(バタンハリアマン県) ・現地再委託業者(自然条件調査)との契約手続き										
14	12月31日	木	・基本計画説明会(バタン市) ・概要資料作成										
15	1月1日	金	・概要資料作成										
16	1月2日	土	移動[バタン 08:25 → ジャカルタ 10:10, GA161]										
17	1月3日	日	・概要資料作成										
18	1月4日	月	・概要資料作成										
19	1月5日	火	・概要資料作成										

日頃	月日	曜日	管匠員				業務主任/建築技術	構造設計/調達計画	学校計画・設計(1) /自然条件調査	学校計画・設計(2)	試験施工計画・積算	施工計画・積算	社会環境配慮/GIS	宿泊地
			総括	計画管理	調査監理計画 (JICS)	業務主任/建築技術								
20	1月6日	水	中曾根 慎良	小林 千晃	長谷川 庄司	南 直行	山本 壽幸	重田 輝雄	那須 光弘	鶴岡 菜介	小林 辰哉	高嶋 繁生	ジャカルタ	
21	1月7日	木				概要資料をJICAへ提出 ・JICA本部とのTV会議	現地業者調査 ・建設材料調査				現地再委託業者(コンポ-ネット)見積収集	社会環境配慮調査 ・地図データ作成	ジャカルタ	
22	1月8日	金				概要資料修正	現地業者調査 ・建設材料調査				概略事業費積算修正	社会環境配慮調査 ・地図データ作成	ジャカルタ	
23	1月9日	土				団内会議							ジャカルタ	
24	1月10日	日				移動[ジャカルタ 10:40 → バタン 12:20, GA162]							バタン	
25	1月11日	月				概略設計概要書作成						業務主任と同じ	バタン	
26	1月12日	火				概略設計概要書作成						業務主任と同じ	バタン	
27	1月13日	水				基本計画案説明会(バタン及びバタンハリアマン県合同)						業務主任と同じ	バタン	
28	1月14日	木				概略設計概要書作成 ・カウンターパートとの打合せ、情報収集	移動[バタン 08:25 → ジャカルタ 10:10, GA161] ・現地再委託業者(コンポ-ネット)との打合せ					業務主任と同じ	ジャカルタ(重田) バタン(他団員)	
29	1月15日	金				概略設計概要書作成 ・カウンターパートとの打合せ、情報収集						業務主任と同じ	ジャカルタ(重田) バタン(他団員)	
30	1月16日	土				概略設計概要書作成						業務主任と同じ	ジャカルタ(重田) バタン(他団員)	
31	1月17日	日				概略設計概要書作成						業務主任と同じ	ジャカルタ(重田) バタン(他団員)	
32	1月18日	月	富谷 喜一	小林 千晃		概略設計概要書作成 ・カウンターパートとの打合せ、情報収集	概略設計概要書作成 ・現地再委託業者(コンポ-ネット)の入れ札書類受領・審査					業務主任と同じ	ジャカルタ(重田) バタン(他団員)	
33	1月19日	火				移動[小林]成田 11:10 → ジャカルタ 17:10, JL725						業務主任と同じ	ジャカルタ(重田) バタン(他団員)	
34	1月20日	水				移動[富谷、小林]ジャカルタ 06:10 → バタン 07:50, GA160 ・西マラ州、バタン市、バタンハリアマン県との概略設計概要書に関する合同協議 ・対象校視察(バタン市内)						業務主任と同じ	ジャカルタ(重田、鶴岡) バタン(他団員)	
35	1月21日	木				対象校視察(バタン市内)						業務主任と同じ	ジャカルタ	
36	1月22日	金				移動[バタン 17:30 → ジャカルタ 19:15, GA165]						業務主任と同じ	ジャカルタ	
37	1月23日	土				「E」展開(BAPPENAS、BNPB、PU及UMoNE)とのM/D協議、署名 ・EO)報告						業務主任と同じ	ジャカルタ	
38	1月24日	日				団内協議						業務主任と同じ	ジャカルタ	
39	1月25日	月				移動[バタン 22:10 → 成田 07:20+1, JL726]						業務主任と同じ	機中 ジャカルタ(山本、重田、那須、鶴岡)	

日順	月日	曜日	管理員				業務主任/建築技術	構造設計/調達計画 (コンポーネント)	学校計画・設計(1) /自然条件調査	学校計画・設計(2)	試験施工計画・積算	施工計画・積算	社会環境配慮/GIS	宿泊地
			総括	計画管理	調達監理計画 (JICS)	管理員								
40	1月26日 祝日	火	中曾根 慎良 (成田着)	小林 千晃	長谷川 庄司	南 直行	山本 壽幸 ・入札実施要領作成 (コンポーネント)	重田 輝雄	那須 光弘	鶴岡 兼介	小林 辰哉 (成田着)	高嶋 繁生	ジャカルタ(山本、重田、那須、鶴岡)	
41	1月27日	水					入札図書(案) (コンポーネント) 作成						ジャカルタ(山本、重田、那須、鶴岡)	
42	1月28日	木											ジャカルタ(山本、重田、那須、鶴岡)	
43	1月29日	金					入札実施要領(コンポーネント)のJICA承認取得						ジャカルタ(山本、重田、那須、鶴岡)	
44	1月30日	土					入札図書(案) (コンポーネント) 作成						機中(那須) ジャカルタ(山本、重田、鶴岡)	
45	1月31日	日											ジャカルタ(山本、重田、鶴岡)	
46	2月1日	月					入札公示(コンポーネント)						ジャカルタ(山本、重田、鶴岡)	
47	2月2日	火					入札参加登録受付(コンポーネント)						ジャカルタ(山本、重田、鶴岡)	
48	2月3日	水											機中(重田、鶴岡) ジャカルタ(山本)	
49	2月4日	木					入札参加登録締切及び入札図書(案) (コンポーネント)をJICAへ提出						ジャカルタ(山本)	
50	2月5日	金					入札図書(コンポーネント)配布準備						ジャカルタ(山本)	
51	2月6日	土											ジャカルタ(山本)	
52	2月7日	日											ジャカルタ(山本)	
53	2月8日	月					入札図書(コンポーネント)のJICA承認取得						ジャカルタ(山本)	
54	2月9日	火					入札図書(コンポーネント)配布						ジャカルタ(山本)	
55	2月10日	水					移動[ジャカルタ 22:10 → 成田 07:20+1, JL726]						機中(山本)	
56	2月11日	木					(成田着)							

※ コンポーネント関連を記載する。

調査行程 (3次調査)

日順	月日	曜日	コンサルタント		試験施工監理	宿泊地	備考
			業務主任/建築技術 専直行	学校計画・設計(1) /自然条件調査 車田理雄			
1	5月9日	日	移動[成田11:10 → ジャカルタ 17:10, JL725]	・団内協議・資料整理	加瀬欣康	ジャカルタ	
2	5月10日	月				ジャカルタ	
3	5月11日	火			・試験施工業者契約支援	ジャカルタ	
4	5月12日	水			・試験施工業者契約支援	ジャカルタ	
5	5月13日	木		・団内協議・資料整理		ジャカルタ (ワリス/天祭)	
6	5月14日	金			・試験施工業者契約支援	ジャカルタ	
7	5月15日	土		・団内協議・資料整理		ジャカルタ	
8	5月16日	日	移動[ジャカルタ 10:25 → バタン 12:05, GAI62] ・バタン・ハマリアマン県サイト調査		・資料整理	ジャカルタ(加瀬) バタン(南、車田)	
9	5月17日	月	・バタンサイト調査 ・西スマトラ州、バタン市、バタンハマリアマン県との準備調査報告書ドラフトファイルおよび入札図書に関する合同協議 ・試験施工業者契約立会い		・試験施工業者契約支援	ジャカルタ	
10	5月18日	火				ジャカルタ	
11	5月19日	水	・EOJ報告 ・BNPB報告・協議 ・JICA報告			ジャカルタ	
12	5月20日	木	・教育省報告・協議 ・移動[ジャカルタ 21:55 → 成田 07:25, JL726]		・教育省報告・協議	ジャカルタ(加瀬) 機中(南、車田)	
13	5月21日	金	(成田着)		・試験施工図書とりまとめ	ジャカルタ(加瀬)	

加瀬は試験施工常駐監理者として引き続き滞在

資料-3 関係者(面会者)リスト

3 相手国関係者リスト

所属及び氏名

職位

国家開発計画省

Badan Perencanaan Pembangunan Nasional (BAPPENAS)

Dr. Ir. Suprayoga Hadi

Director for Special Area and Disadvantaged Region

国家防災庁

Badan Nasional Penanggulangan Bencana (BNPB)

Mr. Bakri Beck

Deputy Director General

Mr. Ir. H. R. Adhy Duriat Soemono

Director of Damage Assessment

Mr. Medi Herlianto

Damage Inventory

教育省

Ministry of National Education (PU)

Mr. Bambang Indriyanto

Secretary Director General

公共事業省

Ministry of Public Works (PU)

Mr. Gregorius Eko Djuli Sasongko

Directorate General of Human Settlements

西スマトラ州防災局

Provincial Agency for Disaster Management (BPBD)

Mr. Sugimin

Head of Technical Supporting Team

西スマトラ州地方開発企画庁

Provincial BAPPEDA

Mr. Bambang Istijono

Head of BAPPEDA

Mr. Edi

Secretary

Ms. Retno Nugroho

GIS Staff

Mr. Darmalis

GIS Staff

西スマトラ州知事事務室

Governor Office

Mr. Novian Jamil

Head of Organizational Affairs

西スマトラ州教育局

Provincial Education Office

Mr. Muliardi

Head of Secondary School Unit

Mr. Defrizal

Assistant for Secondary Education Unit

Mr. Getri M.R.

Head of Kindergarten & Elementary School Section

Mr. Nusakartika

Head of Facilities & Infrastructure Section

西スマトラ州公共事業省

Provincial Public Works

Mr. Dody Ruswandi

Head of Provincial Public Works

Mr. Firman

Head of a Unit of Public Works

Mr. Fachruddin

Head of Housing Unit

Mr. Ridha

Head of Materials Analysis Laboratory

西スマトラ州地方環境影響監視局

Bapedalda

Mr. Asrizal Asnan

Head of Bapedalda

パダン市開発計画庁

Padang Bappeda

Mr. Rudy Rinaldy

Head of Regional Development Unit

Mr. Syahrul

Secretary

パダン市教育局

Padang Education Office

Mr. M Nur Amin

Head of Padang Educational Office

Mr. Malyusdi

Head of Kindergarten & Elementary School Facilities Section

Mr. Mediyanto

Head of Secondary School Facilities Section

パダン市公共事業局

Padang Public Works Office

Mr. Musni

Head of Public Works Office

Mr. Hermen Per

Head of Public Works Office

Mr. Hasnul

Head of Housing & Development Planning Unit

パダン市役所

Padang City Government

Mr. Drs. Didi Aryadi

Assistant Administrator

パダンパリアマン県公共事業局

Padang Pariaman Public Works

Mr. Rahmi

Head of Administration unit

Mr. Adi Dalfi

Staff

パダンパリアマン県国家開発計画庁

Padang Pariaman Bappeda

Mr. Mudhasir

Head of a Section

パダンパリアマン県庁

Padang Pariaman District Government

Mr. Yuen Karnova

Secretary

パダンパリアマン県教育局

Padang Pariaman Education Office

Mr. Syamsulrizal

Head Padang Pariaman Education Office

Mr. Sudirman

Head of Primary Education Unit

Mr. Mukhlis Darlim

Secretary

計画対象校 校長

School Principal of Planning for this project

Ms. Zulmiati

SDN 01 Enam Lingkung

Ms. Yulidarni

SDN 02 V Koto Timur

Mr. Abdul Hadi Royal

SDN 05 Batang Gasan

Ms. Dasmawati

SDN 07 Sungai Geringging

Mr. Zaimar

SDN 08 Sintuk Toboh Gadang

Mr. SY Lince

SDN 08 2x11 Enam Lingkung

Mr. Yulisni

SDN 23 Padang

Ms. Dasmiasi

SDN 24 Padang

Mr. Syofyan

SMPN 01 Enam Lingkung

Ms. Amril Widana

SMPN 07 Padang

Ms. Farina Archam

SMPN 25 Padang

国連人道援助調整事務所

UN OCHA

Mr. Benny Istanto

GIS / IT Officer

オーストラリア 国際開発庁

Aus AID

Mr. Luke O'Neill

Counselor

在インドネシア日本国大使館

Embassy of Japan in Indonesia

Mr. MAEDA Toru 前田 徹

公使

Ms. SADO Chikako 佐渡 周子

2等書記官

Mr. IYORI Makoto 伊従 誠

参事官

JICA インドネシア事務所

JICA Indonesia Office

Mr. TOMIYA Kiichi 富谷 喜一

次長

Mr. TATEYAMA Jotaro 館山 丈太郎

所員

資料-4 討議議事録(M/D)

4. 討議議事録

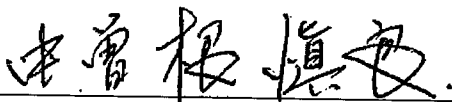
**MINUTES OF MEETINGS
ON
SCOPE OF WORK
FOR
URGENT PROJECT ON RECONSTRUCTION OF SCHOOLS CONSIDERING
QUAKE-RESISTANCE AND COMMUNITY BASED DISASTER RISK MANAGEMENT
IN THE PROVINCE OF WEST SUMATRA
IN THE REPUBLIC OF INDONESIA**

In response to a request from the Government of the Indonesia (hereinafter referred to as "the GOI"), the Government of Japan (hereinafter referred to as "the GOJ") decided to conduct a Detailed Planning Survey on the Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra (hereinafter referred to as "the Project") in the Republic of Indonesia (hereinafter referred to as "Indonesia") and entrusted the Project to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

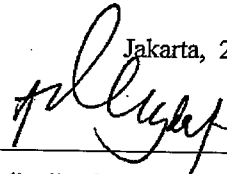
JICA sent to the Indonesia the Detailed Planning Survey Team (hereinafter referred to as "the Team"), which is headed by Mr. Shiro Nakasone, Director, Disaster Management Division I, Water Resources and Disaster Management Group, Global Environment Department, JICA and is scheduled to stay in the country from 18th December to 23rd December 2009.

The Team held discussions with the concerned GOI officials and conducted a field survey at the Project area. In the course of discussions and field survey, both parties confirmed the main items described in the attached sheets.

Jakarta, 23rd December, 2009



Mr. Shiro Nakasone
Leader,
Detailed Planning Survey Team,
Japan International Cooperation Agency

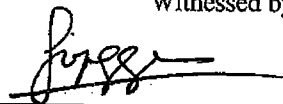


Ir. H.R. Adhy Duriat Soemono, Dipl. H.E
Director of Damage Assessment
National Disaster Management Agency (BNPB)
Republic of Indonesia

Witnessed by



Dr. Bambang Istijono, ME
Head of Provincial Development Planning Agency
(BAPPEDA)
West Sumatra Provincial Government
Republic of Indonesia



Dr. Ir. Suprayoga Hadi, MSP
Director for Special Area and Disadvantaged
Region, National Development Planning Agency
(BAPPENAS)
Republic of Indonesia

I. Title of the Project

The title of the Project shall be "The Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra".

II. Scope of Work of the Project

Both sides agreed that the Scope of Work of the Project showed **Annex- 1**.

The Project consists of three (3) components and each component is inter-related and provides feedbacks to each other.

- (1)Component 1: Model school construction and community based disaster risk management (financed under Technical assistance).
- (2)Component 2: Preparatory (Outline Design) survey (hereinafter referred to as "the Survey") for reconstruction of quake-resistance schools on pilot construction sites (Construction work will be expectedly implemented under Japanese Grant Aid scheme).
- (3)Component 3: Development of design and construction manuals of the safer schools (financed under technical assistance).

III. Responsible and Implementing Agency

The responsible agency for the Project is National Disaster Management Agency (BNPB)

The implementing agencies are Regional Disaster Management Agency of West Sumatra Provincial Government (BPBD), Padang City municipality and Padang Pariaman District government under the coordination of Governor of West Sumatra Provincial Government. The organization charts of responsible and implementing units are shown in **Annex- 2-1 and - 2-2**

IV. Items Requested by Indonesian side

In the course of the discussions, the Project components were confirmed as below.

- (1)Component 1: Model school construction and community based disaster risk management
- (2)Component 2: Reconstruction of quake-resistance schools on pilot construction sites
- (3)Component 3: Development of design and construction manuals of the safer schools

V. Steering Committee

A Steering Committee will be set up to guide the Project by providing guidance and instructions, evaluating reports and providing necessary information to the Japanese experts and JICA. The committee consists of two working groups and will hold meetings upon requests of chair organization and JICA. Tentative steering committee structure is shown in **Annex- 3**

Chair Organization: National Disaster Management Agency (BNPB)

- (1) Working Group 1:

Function: To realize proper and smooth execution of the Component 1 and 3.

Member Organizations are as follows;

- Ministry of National Education (MoNE)
- National Disaster Management Agency (BNPB)

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- Technical Support Team for Rehabilitation and Reconstruction of West Sumatra Province
- Ministry of Public Works (PU)
- Regional Disaster Management Agency of West Sumatra Provincial Government (BPBD)
- Provincial Education Office (DINAS Pendidikan) of West Sumatra Provincial Government
- Municipal Education Office (DINAS Pendidikan) of Padang City Municipality
- District Education Office (DINAS Pendidikan) of Padang Pariaman District
- Provincial Public Works Office (DINAS PU) of West Sumatra Provincial Government
- Municipal Public Works Office (DINAS PU) of Padang City Municipality
- District Public Works Office (DINAS PU) of Padang Pariaman District

(2) Working Group 2:

Function: To realize proper and smooth execution of the Component 2.

Member Organizations are as follows;

- National Disaster Management Agency (BNPB)
- Technical Support Team for Rehabilitation and Reconstruction of West Sumatra Province
- Planning Board (BAPPEDA) of West Sumatra Provincial Government
- Provincial Education Office (DINAS Pendidikan) of West Sumatra Provincial Government
- Municipal Education Office (DINAS Pendidikan) of Padang City Municipality
- District Education Office (DINAS Pendidikan) of Padang Pariaman District

Member organizations can be changed whenever necessary in the course of the Project.

VI. Japan's Grant Aid Scheme

The Component 2 of the Project will be implemented under Japan's Grant Aid Scheme for Disaster Prevention and Reconstruction. Indonesian side understood it and the necessary measures to be taken by the Indonesian side are shown in **Annex- 4**.

It is important for both sides to understand that at the stage of the Survey no commitment is made from the Japanese side concerning the realization of the Project in the scheme of Grant Aid. Both sides agreed that the Project would be prioritized and selected from technical considerations as well as in accordance with the budget allocated for the Project.

The Survey report will be used to decide by the Japanese Government whether or not the Project is executed in the scheme of Grant Aid. The basic concept, size, contents and the related items of the Project (in case it is executed in Grant Aid Scheme) are also to be decided from the results of the Survey by both sides.

Both sides confirmed that the above mentioned Working Group 2 in the Steering Committee will be established in order to realize proper and smooth execution of the Project.

VII. Following Schedule of the Project

- (1) The Project will be implemented until March, 2011
- (2) The Team and the Project team will prepare the draft of the Survey Report on the Outline Design for the Component 2 in English and JICA will dispatch a mission to explain its contents around middle of January 2010.

(End)

Annex- 1 : Scope of Work of the Project

Annex- 2-1 : Organization chart of Responsible Agency

Annex- 2-2 : Organization chart of Implementing Agencies

Annex- 3 : Chart of the Steering Committee

Annex- 4 : Japan's Grant Aid Scheme

Annex- 5 : Major Undertakings to be taken by Each Government

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Scope of Work of the Project

I. Objectives of the Project

The objectives of the Project are to implement following three (3) components. Each component is inter-related and provides feedbacks to each other.

- Component 1: Model school construction and community based disaster risk management (financed under Technical assistance).
 - Outcome: To reconstruct three (3) quake-resistance schools with community based disaster risk management in pilot sites.
 - (1) Model School Construction:

Selected three (3) model school buildings will be constructed as reconstruction of the affected schools. The Survey team will prepare the design and the tender documents. The client will be JICA Indonesia Office. Construction supervision will be carried out by the Survey team in close coordination with community based disaster risk management activities. JICA will not be liable for any defects nor damages after handing-over of the buildings.
 - (2) Community-Based Disaster Risk Management

Community-based disaster risk management will be implemented in model school areas including data collection, questionnaire, enlightenment, mapping, education, training, drill, organization, workshop and forum etc.

- Component 2: Preparatory (Outline design) survey for reconstruction of quake-resistance schools on pilot construction sites (construction work will be expectably implemented under Japanese Grant Aid Scheme).
 - Outcome: To implement the Preparatory (Outline design) survey to construct around eight (8) quake-resistance schools at pilot sites with quake-resistance design. (These schools will serve as the community's evacuation center.)

The aim of Component 2 is to formulate the Project to meet the conditions of the Japan's grant aid Scheme and to prepare reference materials for the tender documents of the Project.

- Component 3: Development of design and construction manuals of the safer schools (financed under technical assistance)
 - Outcome: To develop of design and construction manuals of the safer schools for Participatory Building of communities.

The aim of Component 3 is to prepare a manual for community-based safe school construction including important cares to be taken for administration officers and contractors, and to propose a key-requirement for community-based safe school construction.

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II. Project Area

The Project sites are located in the Province of West Sumatra. The Candidate Project sites are following schools and marked in the map shown in **Appendix- 1-1**.

● For Component 1

[Padang city]

- 1) SDN23 Padang
- 2) SDN24 Padang

[Padang Pariaman District]

- 3) SDN08 Sintuk Toboh Gadang

● For Component 2

[Padang city]

- 1) SMPN7 Padang
- 2) SMPN25 Padang

[Padang Pariaman District]

- 3) SDN02 V Koto Timur
- 4) SMPN1 Enam Lingkung
- 5) SDN03 V Koto Kampung Dalam
- 6) SDN07 Sungai Geringging
- 7) SD01 Enam Lingkung
- 8) SDN05 Batang Gesan
- 9) SDN08 2X11 Enam Lingkung

III. Scope of the Project

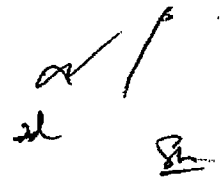
In order to achieve the objectives mentioned above, the Project will cover the following three (3) components and respective activities.

[Activities of Component 1]

- 1) To promote community based disaster risk management
- 2) To carry out the model construction of quake-resistance schools for a balancing quake-resistance and reduction in costs
- 3) To implement disaster drills and community based disaster risk management activities using the reconstructed schools in pilot sites

[Activities of Component 2]

- 1) To carry out the Survey. The Survey should be considered from the perspectives of quake-resistance quality and from the manageability of construction by local builders
- 2) To prepare Detailed Outline Design (DOD)



【Activities of Component 3】

- 1) To research on quality improvement and localization of safer architecture
- 2) To prepare manuals on method of design, construction, supervising and inspection
- 3) To propose institutional structures and function of related organizations for dissemination of the outcome of the project throughout Indonesia

IV. Schedule of the Project

The Project will be carried out in accordance with the tentative schedule shown in **Appendix- 1-2**.

The schedule is tentative and subject to be modified when both parties agree upon any necessity that will arise during the course of the Project.

V. Reports

JICA will prepare and submit the following reports in English to the GOI.

- (1) Inception Report (Middle of December)
- (2) Preliminary Preparatory (Outline Design) Survey Report (End of January 2010)
- (3) Tender Document for Model School Construction (Early February 2010)
- (4) Draft Preparatory (Outline Design) Survey Report (April 2010)
- (5) Draft Tender Document Reference Material for Japan's Grant Aid (April 2010)
- (6) Preparatory (Outline Design) Survey Report (June 2010)
- (7) Tender Document Reference Material for Japan's Grant Aid (June 2010)
- (8) Report for Model School Construction and Community Based Disaster Risk Management Activities (September 2010)
- (9) Draft Manual and Key Requirement for Community Based Safe School Construction (December 2010)
- (10) Manual and Key Requirement for Community Based Safe School Construction (March 2011)

VI. Undertakings of GOI

- (1) Access Road for Construction

Indonesian side agreed to secure the access road to the Project sites during implementation of the Project before commencement of the construction work.

- (2) Demolishing Work and Provision of Disposal Area of Demolished Construction Debris

Both sides confirmed that in principle, the demolishing work related component 1 and 2 of the Project sites is expected to be done by Indonesian side. However, the demolishing work and disposal of construction debris would be undertaken by Japanese side, in case it is confirmed that such work might affect the construction work to be done by Japanese side, after evaluation of construction method and construction period.

Indonesian side agreed to provide the disposal area of demolished construction debris of the damaged schools at own cost and take necessary measures according to the related law.

- (3) Land Ownership of the Project sites

Education Office (DINAS Pendidikan) of West Sumatra Province, Padang City Municipality and

Padang Pariaman District take necessary measures and are responsible for clearing land ownership issues of the Project sites, if any arises, by the end of December 2009.

(4) Relocation of Temporary School Units

West Sumatra Provincial Government, Padang City Municipality and Padang Pariaman District are responsible for relocation and preparation of temporary school units before commencement of the construction work.

(5) Operation and Maintenance

Indonesian side agreed to allocate sufficient budget and qualified staffs for proper and effective operation and maintenance of the Project.

(6) Environmental and Social Consideration

Indonesian side confirmed to obtain an approval of environmental related regulations by the relevant authority before commencement of the construction work in accordance with the relevant guidelines in Indonesia.

(7) Arrangements for the Survey

As a response to the request by the Team, Indonesian side agreed to arrange following items:

- 1) To provide the Team with available relevant data, information and materials necessary for the execution of the Project,
- 2) To prepare the answers for the Questionnaires presented by the Team,
- 3) To assign full-time counterparts to the Team during their stay in Indonesia and to play the following roles as the coordinator to the Team:
 - 3-1) To make the appointments and to set up the meetings with the authorities, departments and all other factories and firms whenever the Team intends to visit,
 - 3-2) To attend the site survey and any other visiting places with the Team and to make any convenience on accommodation, working room, adequate transportation, getting the permissions if required, etc., and
 - 3-3) To assist and to advise the Team for their collection of data and information as much as possible,
- 4) To secure the permission to photograph and enter into private properties and restricted areas for the Team for proper execution of the Project, if necessary,
- 5) To take any necessary measures deemed necessary to secure the safety of the members of the Team, and
- 6) To obtain necessary permission for the Team to bring back to Japan necessary data, maps and materials related to the Survey, subject to approval by the GOI, in order to prepare the reports.

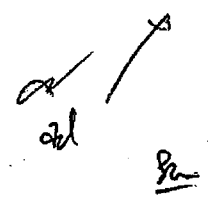
(8) Office space and facilities

Indonesian side shall provide suitable office space and its facilities such as electricity, gas, water, sewerage system, telephones, internet and furniture necessary for the Project activities and operational expenses for utilities.

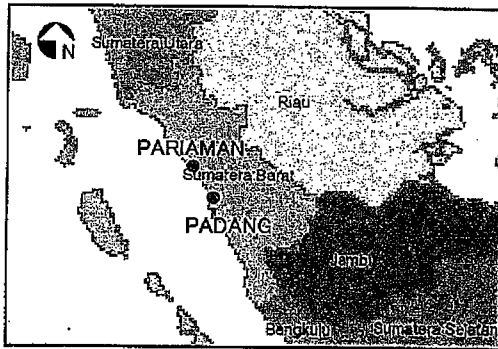
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Appendix- 1-1: Map of Project Site

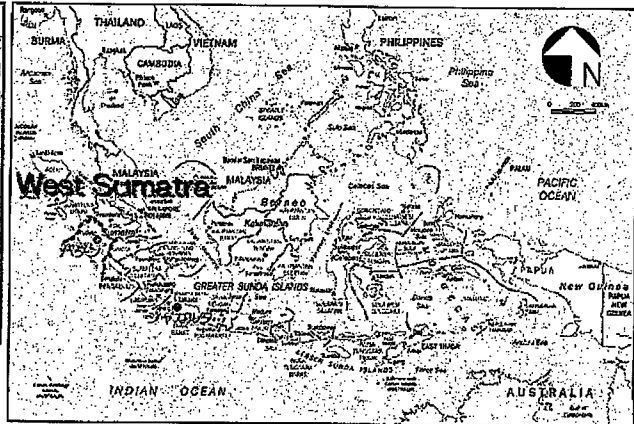
Appendix- 1-2: Tentative Implementation Schedule

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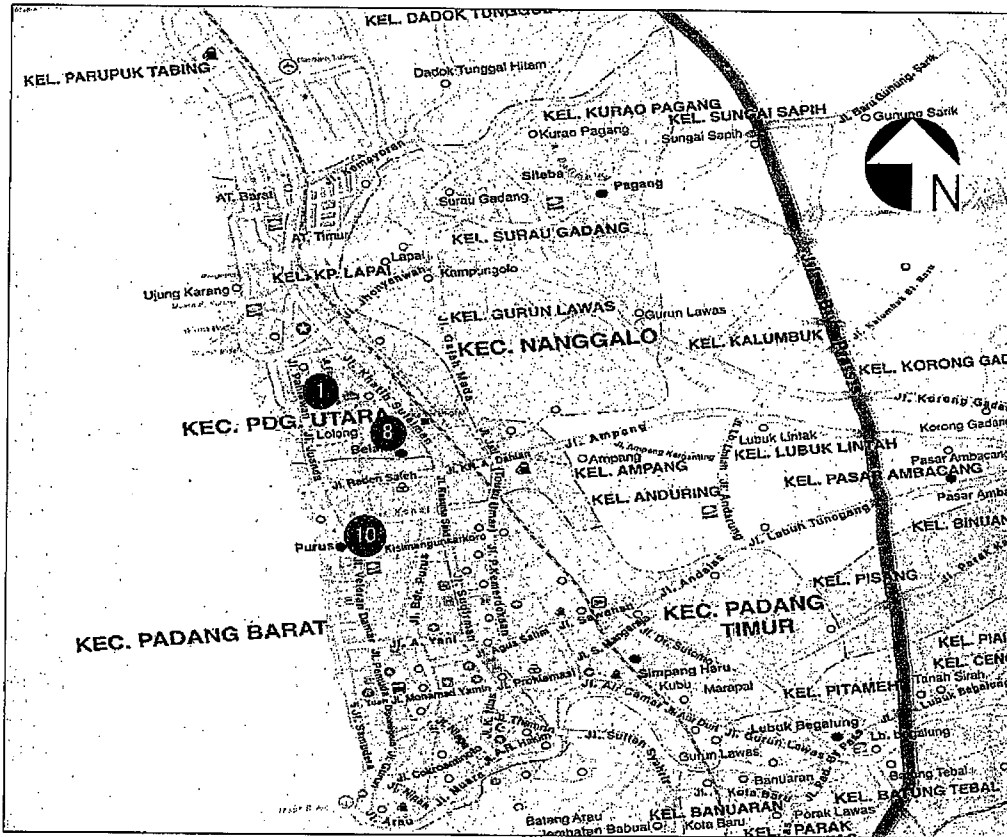
Map of Project Sites



West Sumatra



Republic of Indonesia



—PADANG—

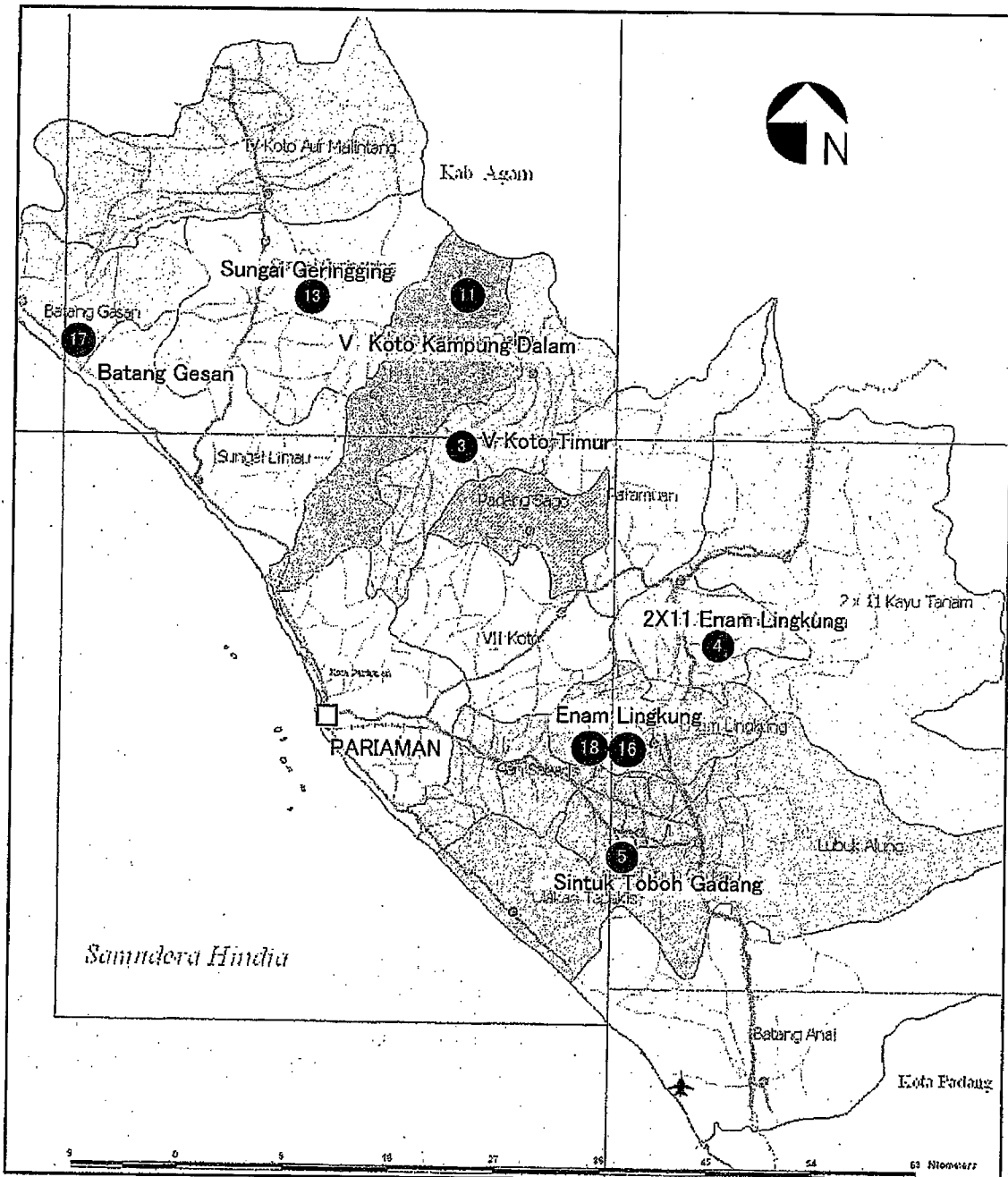
Legend

- Candidate School for Component 1 (Model School Construction)
- Candidate School for Component 2

School List

10	SDN23/24	Padang
1	SMPN7	Padang
8	SMPN25	Padang

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-PADANG PARIAMAN DISTRICT-

Legend

- Candidate School for Component 1 (Model School Construction)
- Candidate School for Component 2

School List

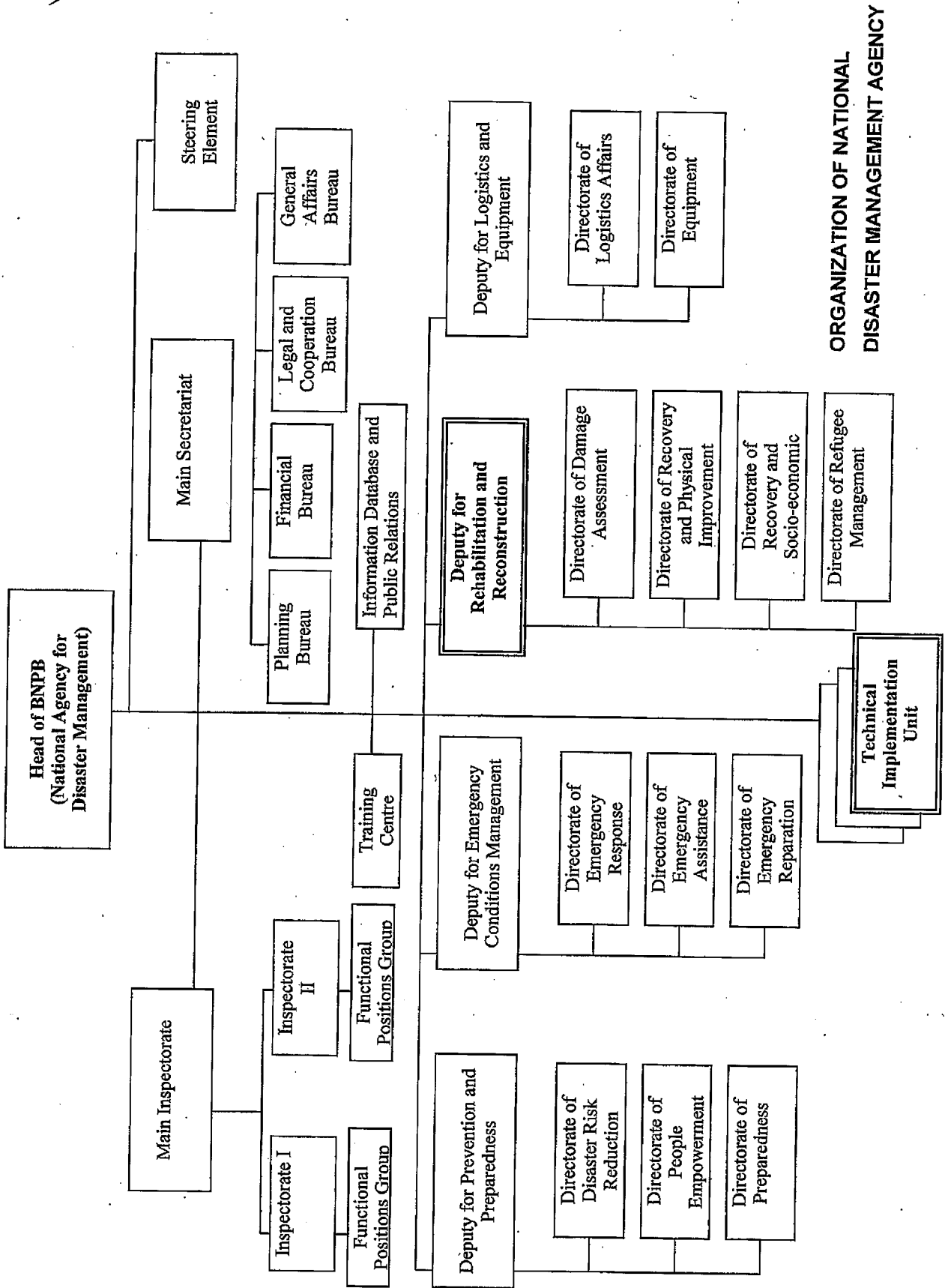
5	SDN08	Sintuk Toboh Gadang
3	SDN02	V Koto Timur
4	SDN08	2X11 Enam Lingkung
11	SDN03	V Koto Kampung Dalam
13	SDN07	Sungai Geringging
16	SMPN1	Enam Lingkung
17	SDN05	Batang Gesan
18	SDN01	Enam Lingkung

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Tentative Implementation Schedule

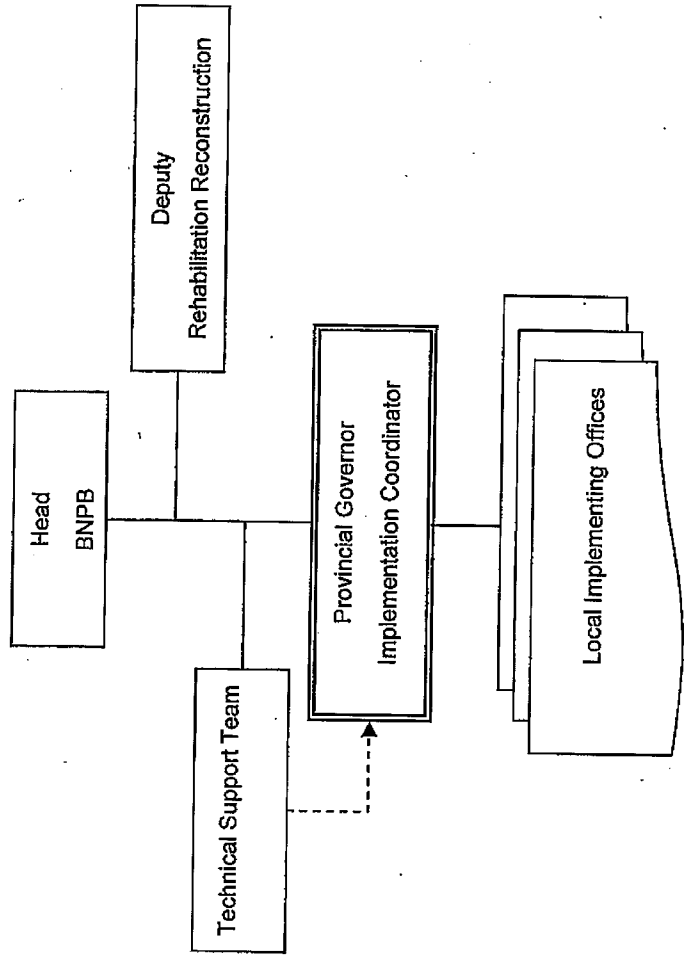
	2009	2010												2011			
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	
Preparation in Japan	□																
Component 1: Model School Construction and Community-based Disaster Risk Management		■															
Component 2: Outline Design for Japan's Grant Aid Scheme for Disaster Prevention and Reconstruction		■					<div style="border: 1px dashed black; padding: 5px; display: inline-block;"> Construction (out of this Project) by Japan's Grant Aid Scheme for Disaster Prevention and Reconstruction </div>										
Component 3: Preparation of Manual and Key Requirement for Construction of Safe Schools		■															
Submission of Reports	▲	▲		▲		▲		▲			▲		▲			▲	
	Inception Report	Preliminary Outline Design Report		Draft Outline Design Report and Preparatory Tender Document		Outline Design Report and Draft Tender Document					Report for Community-based Disaster Preparedness Activities and Test Construction			Draft Manual and Key Requirement for Community-based Construction of Safe Schools			

Organization chart of Responsible Agency



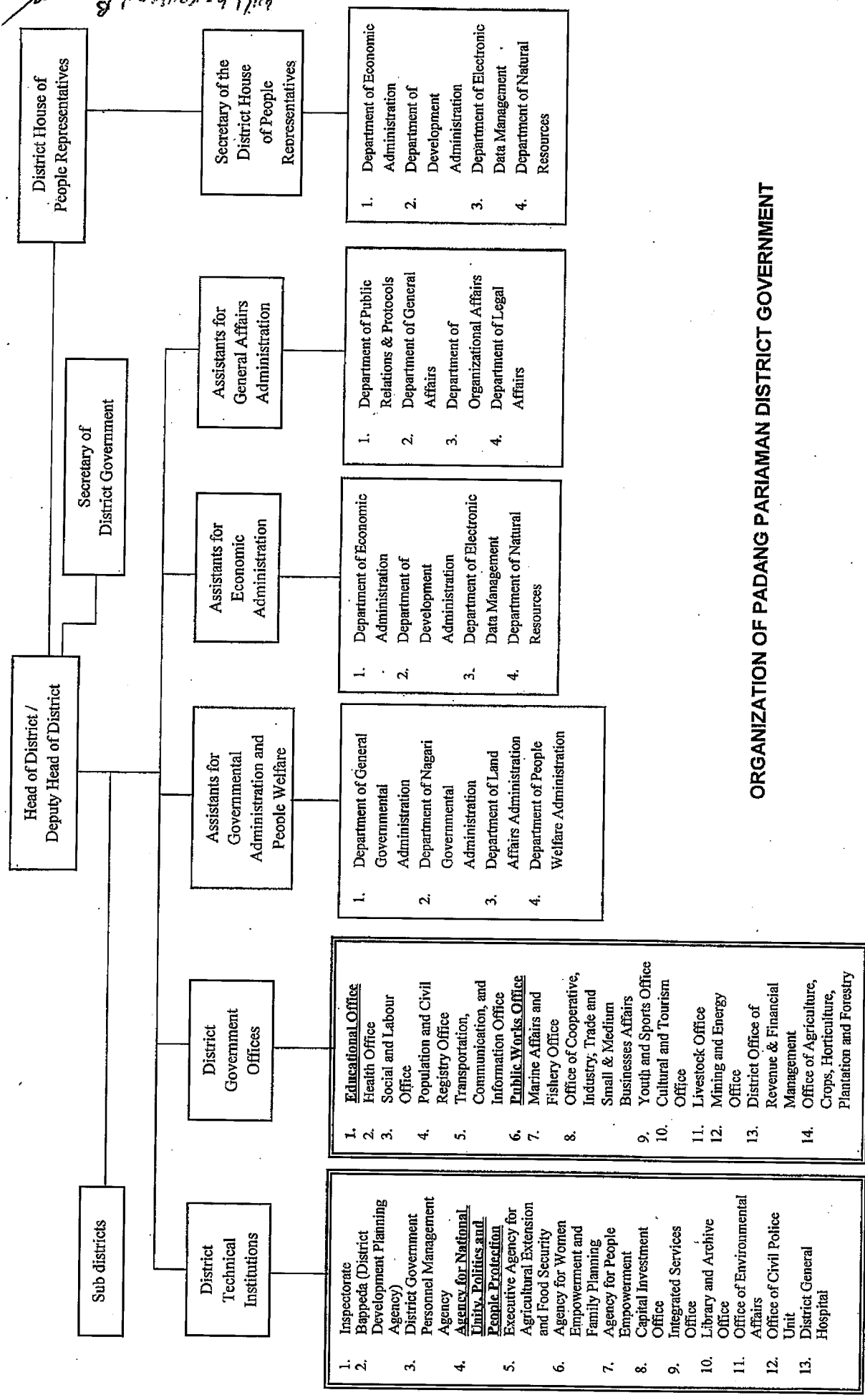
ORGANIZATION OF NATIONAL
DISASTER MANAGEMENT AGENCY

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20



**Implementation Organization for
Rehabilitation and Reconstruction
for Post-earthquake Disaster in West Sumatra Province**

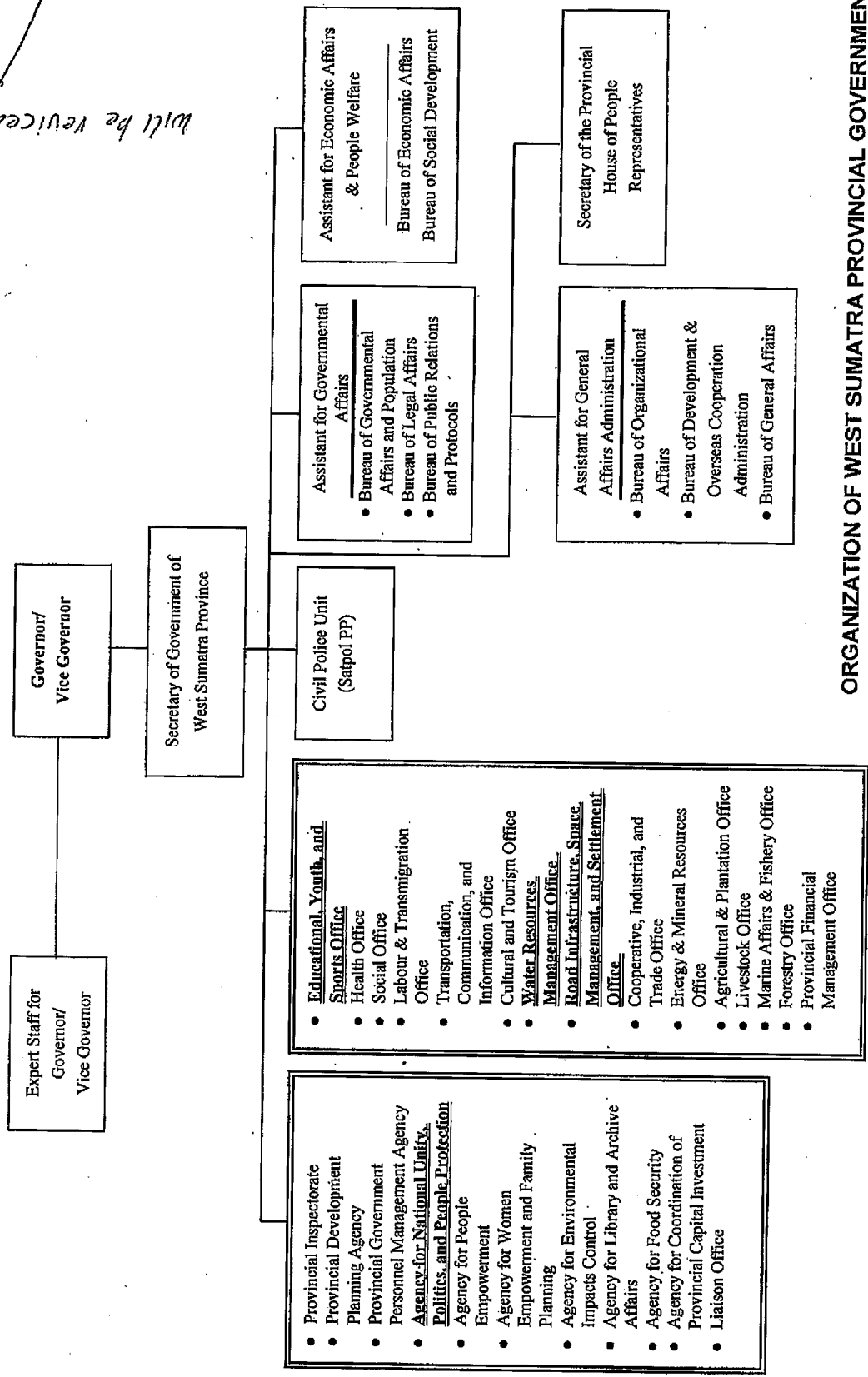
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ORGANIZATION OF PADANG PARIAMAN DISTRICT GOVERNMENT

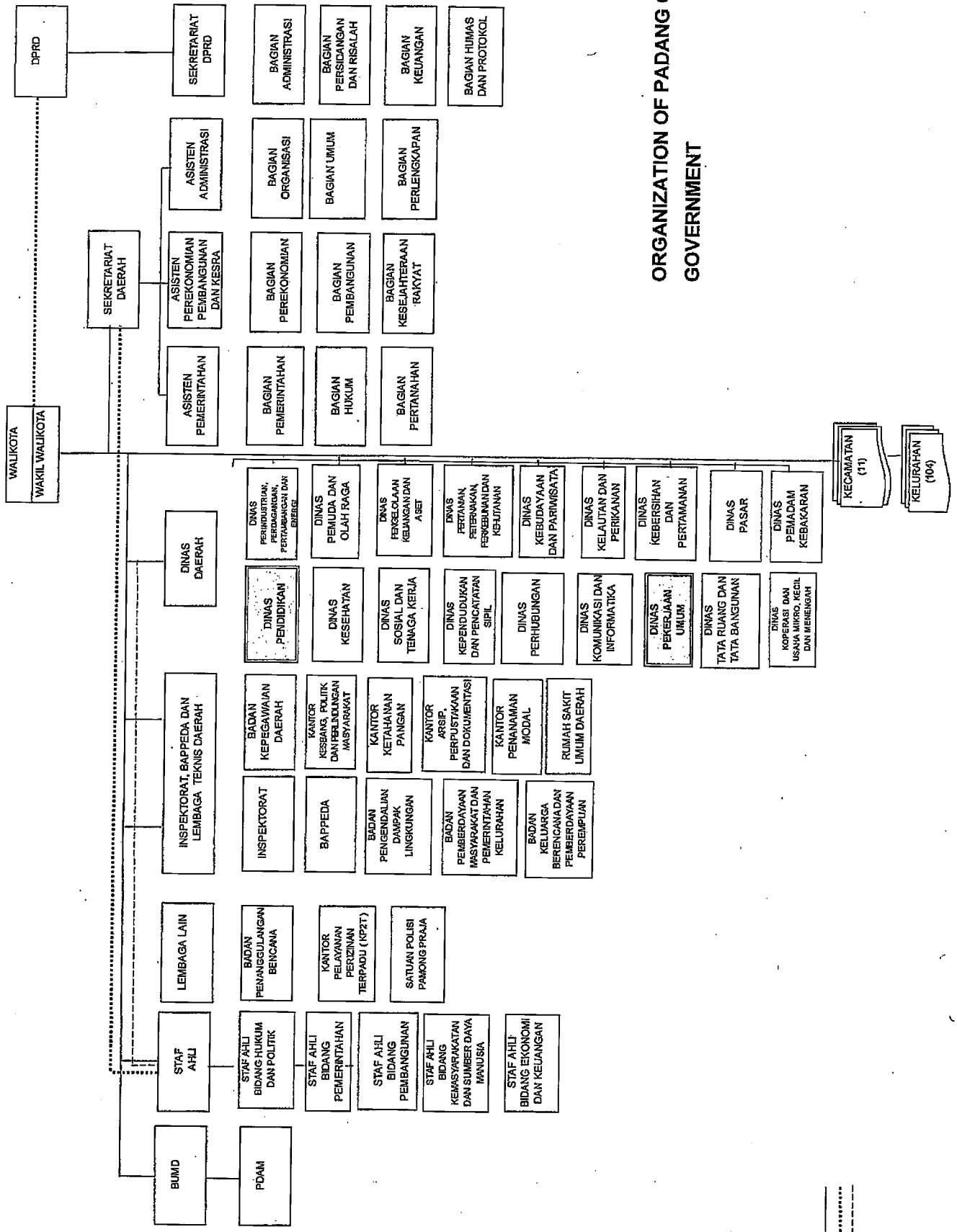
Organization chart of Implementing Agencies

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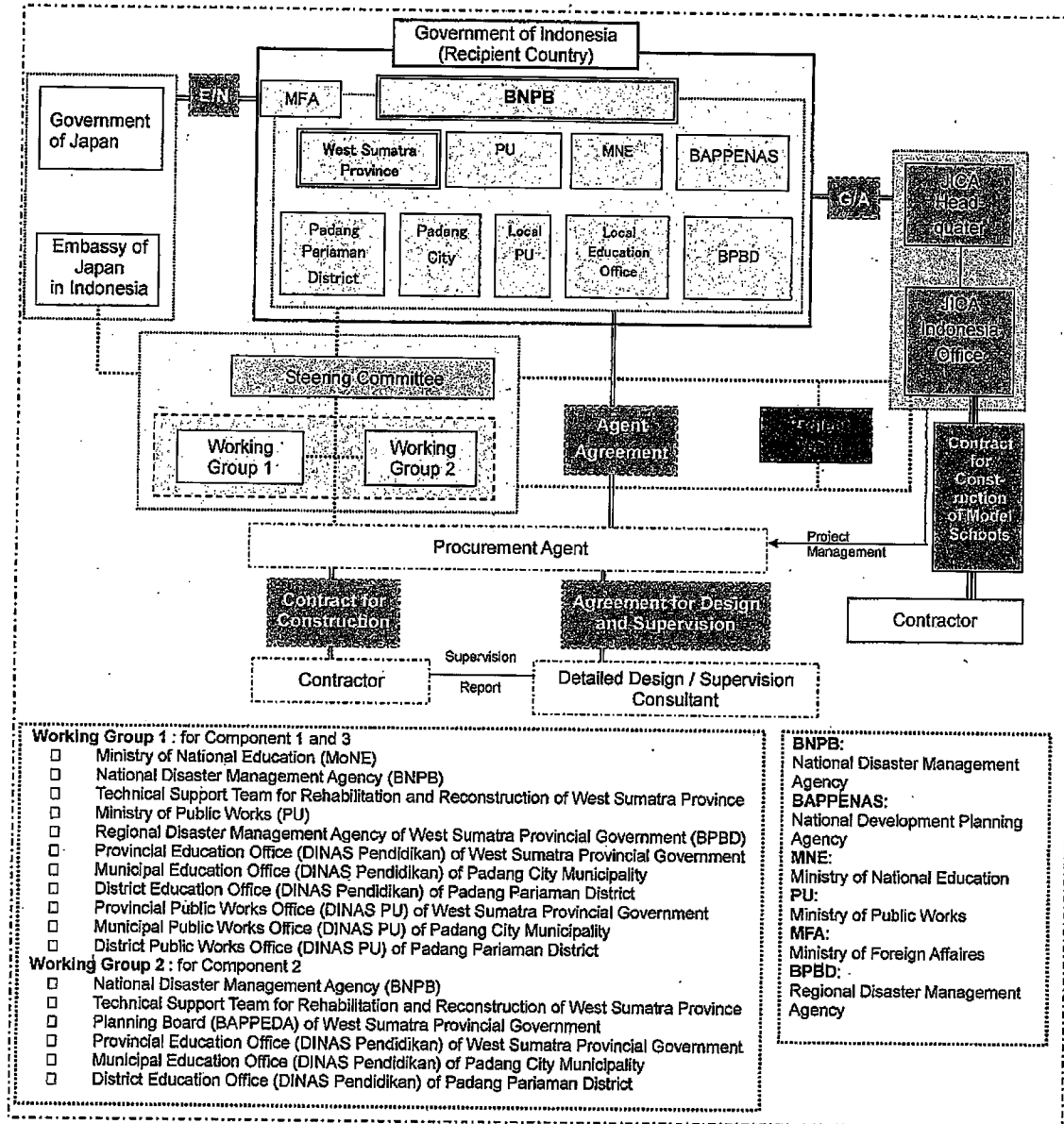
ORGANIZATION OF WEST SUMATRA PROVINCIAL GOVERNMENT

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ORGANIZATION OF PADANG CITY GOVERNMENT

Chart of the Steering Committee



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Japan's Grant Aid Scheme for Disaster Prevention and Reconstruction

The Grant Aid scheme provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) under principles in accordance with the relevant laws and regulations of Japan. Grant Aid for Disaster Prevention and Reconstruction is one of the several types of the scheme designed to assist disaster affected countries in disaster prevention and / or disaster reconstruction. The Grant Aid is not supplied through the donation of materials as such.

The scheme is divided into categories as follows;

- Grant Aid for Prevention (Project Type)
- Grant Aid for Prevention (Program Type)
- Grant Aid for Reconstruction (Project type)
- Grant Aid for Reconstruction (Program type)

1. Procedures of Grant Aid for Disaster Prevention and Reconstruction (Program Type)

Japan's Grant Aid for Disaster Prevention and Reconstruction (Program Type) is executed through the following procedures.

Application	(Request made by a recipient country)
Survey	(Preparatory (Outline Design) Survey conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan and Approval by Cabinet)
Determination of	(The Notes exchanged between the Governments of Japan and
Implementation	the recipient country)
	(Grant Agreement between JICA and recipient country)

Firstly, the application or request for a Grant Aid project submitted by the Recipient is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request. The request can be received at diplomatic mission of Japan when necessary.

Secondly, JICA conducts the Preparatory (outline design) survey, using Japanese consulting firms.

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aide Scheme, based on the Preparatory (outline design) survey conducted by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes (E/N) signed by the Governments of Japan and the Recipient. And the Grant for the project will be made available after the Grant Agreement (G/A) between JICA and Recipient is concluded.

Finally, for the prompt and proper implementation of the project, procurement agent will be introduced for facility construction projects. Under the contract with the recipient country, procurement agent will conduct to prepare tender, contract and so forth, on behalf of the recipient country.

2. Preparatory (outline design) survey

1) Contents of the Study

The aim of the Preparatory (outline design) survey ("the Survey"), conducted by JICA on a

requested project ("the Project"), is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Survey are as follows:

- (1) Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies and communities concerned of the recipient country necessary for the Project's implementation.
- (2) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view;
- (3) Confirmation of items agreed upon by both parties concerning the basic concept of the Project.
- (4) Preparation of an outline design of the Project.
- (5) Estimation of cost for the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Outline Design of the Project is confirmed considering the guidelines of Japan's Grant Aid scheme.

The Government of Japan requests the Government of the Recipient to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even through they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the Recipient through the Minutes of Meeting.

2) Selection of Consultants

For smooth implementation of the Survey, JICA uses (a) registered consulting firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms. The firm(s) selected carry(ies) out a Preparatory (outline design) survey and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the Study may be recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes and the Grant Agreement, in order to maintain technical consistency.

3. Japan's Grant Aid for Disaster Prevention and Reconstruction Scheme

(1) Exchange of Notes (E/N)

Japan's Grant Aid for Disaster Prevention and Reconstruction is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

(2) Grant Agreement (G/A)

The Grant for the Project will be made available after the Grant Agreement between JICA and the Government of recipient country is concluded, in which procedural details of the Project are confirmed.

(3) Contract with Procurement Agent

The recipient country will conclude an Agent Agreement with the Designated Procurement Agent in order to secure smooth implementation of the Project.

(4) "The period of the Grant Aid for Disaster Prevention and Reconstruction (Program Type)" means the one fiscal year, which Cabinet approves, the Project for. Within the fiscal year, all procedures such as exchange of Notes, concluding the Grant Agreement with JICA and concluding an Agent Agreement

with procurement agent must be completed. However, in case of delays due to unforeseen factors such as natural disaster, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

(5) Under the Grant Aid for Disaster Prevention and Reconstruction, in principle, products and services including transport or those can be purchased from all countries and areas.

(6) Necessity of "Approval"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with procurement agent. Those contracts shall be approved by JICA. This "Approval" is deemed necessary to secure accountability to Japanese taxpayers.

(7) Undertakings required to the Government of the recipient country

In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as the following:

- a) To use the Grant and its accrued interest for purchasing products and services within a period of twelve months after the date of execution of the Grant,
- b) To ensure prompt excursion for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid,
- c) To exempt from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts,
- d) To use the Grant and its accrued interest properly and efficiency for disaster prevention and reconstruction.
- e) To accord Japanese or other nationals, whose services may be required in connection with the supply of the products and services under the Verified contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work,
- f) To present to the Government of Japan a report prepared in written form acceptable to the Government of Japan on the transaction on the Account together with copies of contracts, vouchers and other documents concerning the relevant transactions without delay when the Grant and its accrued interest are completely drawn or when the period for the use of the Grant and its accrued interest expires or upon request by the Government of Japan,
- g) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction and
- h) To clear the sites and provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites when they are deemed necessary for the Project as a result of the Survey.

(8) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

(9) "Re-export"

The products purchased under the Grant Aid should not be re-exported from the recipient country.

(10) Banking Arrangements (B/A)

The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payment in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the verified contracts.

(11) Blanket Disbursement Authorization (BDA)

By issuing the "Blanket Disbursement Authorization (BDA)" by the Government of the recipient country to the Bank, the Government of the recipient country designates a procurement agent as the representative authorized to act in the name of the recipient country concerning all transfers of the Grant to an account in the name of the procurement agent.

(12) Payment

The procurement agent shall make payment requests for transferring of the Grant to cover expenses necessary for the procurement of products and services.

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Role of JICA and Procurement Agent for the Project

In order to ensure the smooth and successful implementation of the project after the Government of Japan decides to implement the Project and the Exchange of Notes (hereinafter referred to as "the E/N") for the Project and Grant Agreement (hereinafter referred to as "the G/A") are signed, the role and arrangements of JICA and Procurement Agent will be as follows. The demarcation of both organizations is shown in the chart attached.

1. Role of JICA:

JICA carries out the following works for supporting and expediting proper implementation of the Project under the E/N and the G/A;

- (1) Conducting Preparatory (outline design) survey to give an outline design, to estimate approximate cost of the Project to be implemented under the E/N and the G/A, to draft tender document and to propose construction plans for the Project to be implemented under the E/N and the G/A.
- (2) Participating as an advisor to the Donor and the Recipient in the Consultative Committee and other related meetings, to report the progress of the Preparatory (outline design) survey and to support and expedite the implementation of the Project under the E/N and the G/A.
- (3) Dispatching delegations to project sites to observe the situation and to give necessary advice to Procurement Agent.
- (4) Joining the final inspection to be implemented by Procurement Agent and to give necessary advice to Procurement Agent.

2. Role of Procurement Agent:

Procurement Agent carries out the following works besides the scope of Agent's service for the implementation of the project under the E/N and the G/A.

- (1) Examining the approximate calculation of the cost of the Project, draft of tender document for the Project, and other relevant documents and information drafted by JICA and furnished by the recipient country, for the proper execution of the procurement procedures for the Project under the E/N and the G/A.
- (2) Forwarding the results of tender evaluation to JICA for its information.
- (3) Consulting with JICA when necessary in the course of the Project implementation.

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Major Undertakings to be taken by Each Government

NO	Items	To be covered by Grant Aid	To be covered by Recipient side
1	To secure land		•
2	To clear, level and reclaim the site when needed		•
3	To construct gates and fences in and around the site		•
4	To construct the parking lot	•	
5	To construct roads		
	1) Within the site	•	
	2) Outside the site		•
6	To construct the building	•	
7	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
	1)Electricity		
	a.The distributing line to the site		•
	b.The drop wiring and internal wiring within the site	•	
	c.The main circuit breaker and transformer		•
	2)Water Supply		
	a.The city water distribution main to the site		•
	b.The supply system within the site (receiving and/or elevated tanks)	•	
	3)Drainage		
	a.The city drainage main (for storm, sewer and others) to the site		•
	b.The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site	•	
	4)Gas Supply		
	a,The city gas main to the site		•
	b,The gas supply system within the site	N/A	N/A
	5)Furniture and Equipment		
	a.General furniture		•
	b.Project equipment	•	•
8	To bear the payment commissions to the Japanese bank for banking Services based upon the B/A		•
9	To ensure unloading and customs clearance at port of disembarkation in recipient country		
	1) Marine(Air) transportation of the products from Japan to the recipient country	(•)	
	2) Tax exemption and customs clearance of the products at the port of disembarkation		(•)
	3) Internal transportation from the port of disembarkation to the project site	N/A	N/A
10	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		•

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11	To bear or exempt custom duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts		•
12	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
13	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as for the transportation and installation of the equipment		•

[Handwritten signature and initials]

資料-5 参考資料／入手資料リスト

5 収集資料リスト

1. 調査名: インドネシア国西スマトラ州パダン沖地震被災地復興支援(学校再建)プロジェクト

番号	名称	形態 図書・ビデオ・地図 ・写真等	オリジナル・コピー	発行機関	発行年
1	DISASTER MANAGEMENT PLAN WEST SUMATERA PROVINCE (2008-2012)	図書	原本	WEST SUMATERA PROVINCE	2008
2	RENCANA PENANGGULANGAN BENCANA PROVINSI SUMATERA BARAT (2008-2012)	図書	原本	PROVINSI SUMATERA BARAT	2008
3	REKONSTRUKSI PEMBANGUNAN GEDUNG PASCA GEMPA 30 SEPTEMBER 2009 SMP N 7 PADANG	図書	原本	PEMERINTAH KOTA PADANG DINAS PENDIDIKAN	2009
4	IMPLEMENTATION GUIDELINE BLOCK GRANT PROGRAM CONSTRUCTION OF NEW SCHOOL UNITS FOR JUNIOR SECONDARY SCHOOL WITH COMMUNITY PARTICIPATORY MECHANISM BOOK I	データ	コピー	MINISTRY OF NATIONAL EDUCATION DIRECTORATE GENERAL OF PRIMARY AND SECONDARY EDUCATION MANAGEMENT DIRECTORATE OF JUNIOR SECONDARY SCHOOL IMPROVEMENT	2008
5	IMPLEMENTATION GUIDELINE EXPANSION OF ONE-ROOF PRIMARY-SECONDARY EDUCATION SCHOOL AUSTRALIA-INDONESIA BASIC EDUCATION PROGRAM (AIBEP)	データ	コピー	MINISTRY OF NATIONAL EDUCATION DIRECTORATE GENERAL OF PRIMARY AND SECONDARY EDUCATION MANAGEMENT DIRECTORATE OF PSMP	2008
6	KEY INDICATORS OF INDONESIA	データ	コピー	STATISTICS INDONESIA	2007
7	EXECUTIVE SUMMARY	データ	コピー	A joint report by the BNPB, Bappenas, and the Provincial and District/City Governments of West Sumatra and Jambi and international partners	2009

番号	名称	形態 図書・ビデオ・地図 ・写真等	オリジナル・コピー	発行機関	発行年
8	WEST SUMATRA AND JAMBI NATURAL DISASTERS: DAMAGE, LOSS AND PRELIMINARY NEEDS ASSESSMENT	データ	コピー	A JOINT REPORT BY THE BNPB, BAPPENAS, AND THE PROVINCIAL AND DISTRICT/CITY GOVERNMENTS OF WEST SUMATRA AND JAMBI AND INTERNATIONAL PARTNERS	2009
9	RENCANA AKSI REHABILITASI DAN REKONSTRUKSI WILAYAH PASCABENCANA GEMPA BUMI DI PROVINSI SUMATERA BARAT	データ	コピー	KEMENTERIAN NEGARA PERENCANAAN PEMBANGUNAN NASIONAL /BADAN PERENCANAAN PEMBANGUNAN NASIONAL	2009
10	REGULATION NATIONAL EDUCATION MINISTER REPUBLIC OF INDONESIA	データ	コピー	THE GRACE OF GOD ALMIGHTY MINISTER OF NATIONAL EDUCATION	2007

資料-6 対象校現況図

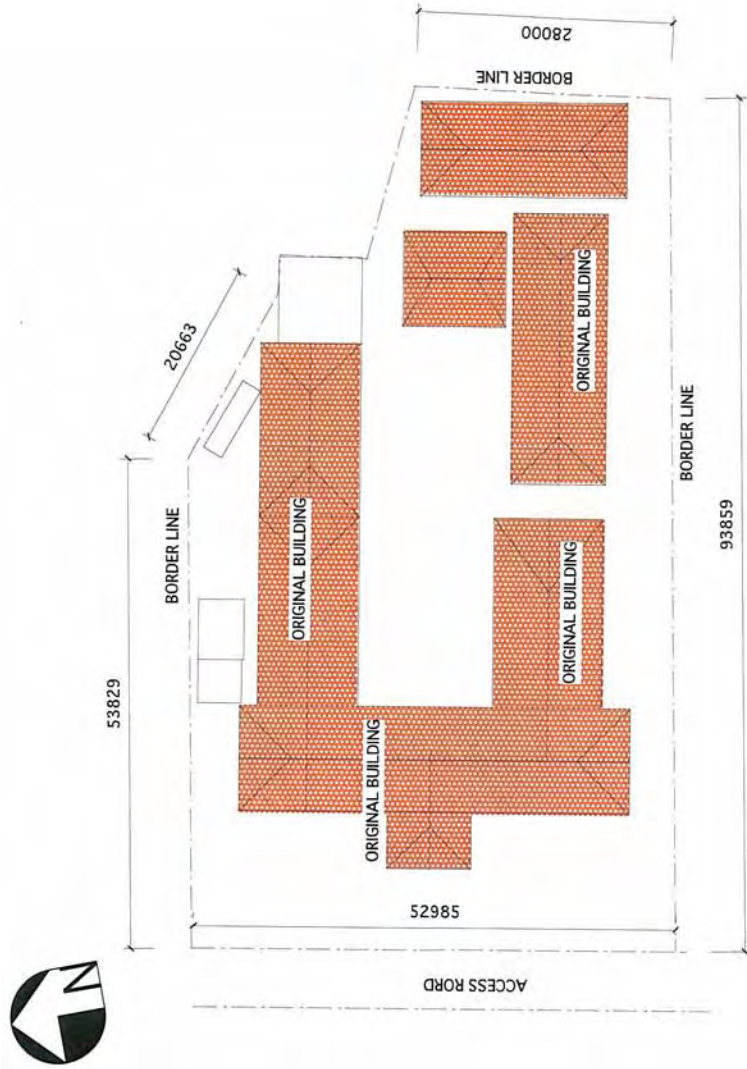
6. 対象校現況図



PROJECT NAME		TITLE		SCALE	DATE	DESIGNED	CHECKED	APPROVED	DWG No.
Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.		PA21 SMPN7 Padang Location Map/Site Plan		1/500					
IMPLEMENTATION AGENCY		yec		YACHIYO ENGINEERING CO., LTD.		TOKYO, JAPAN		REV.	
								0	

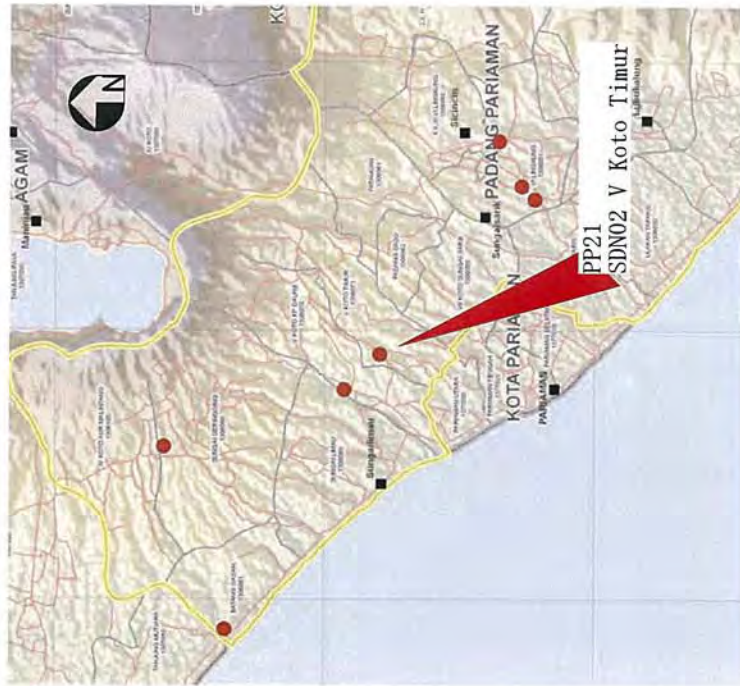


Location Map

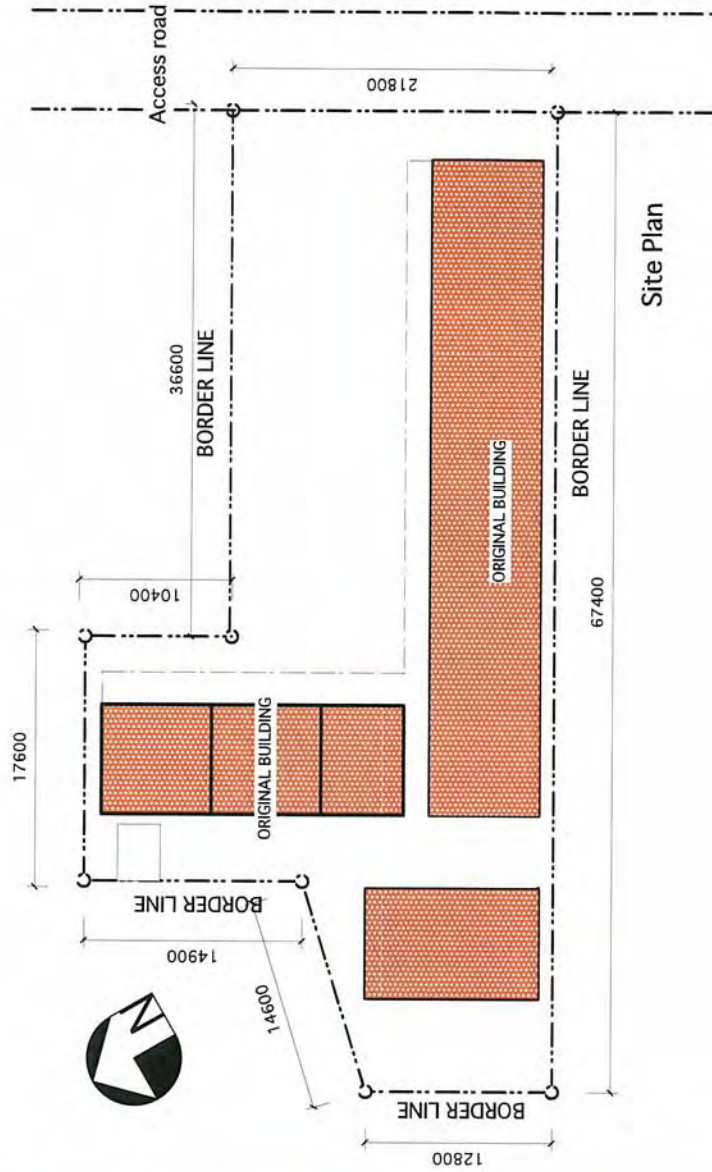


Site Plan

PROJECT NAME	IMPLEMENTATION AGENCY	TITLE	SCALE	DATE	DESIGNED	CHECKED	APPROVED	DWG No.
Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.		PA22 SMPN25 Padang Location Map/Site Plan	1/800					
				yec	YACHYO ENGINEERING CO., LTD. TOKYO, JAPAN			0
								REV.
								0

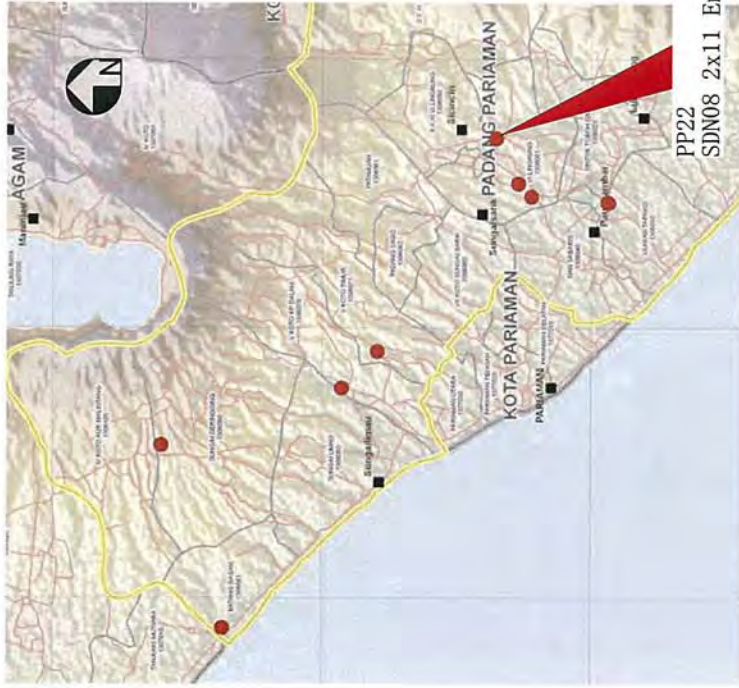


Location Map

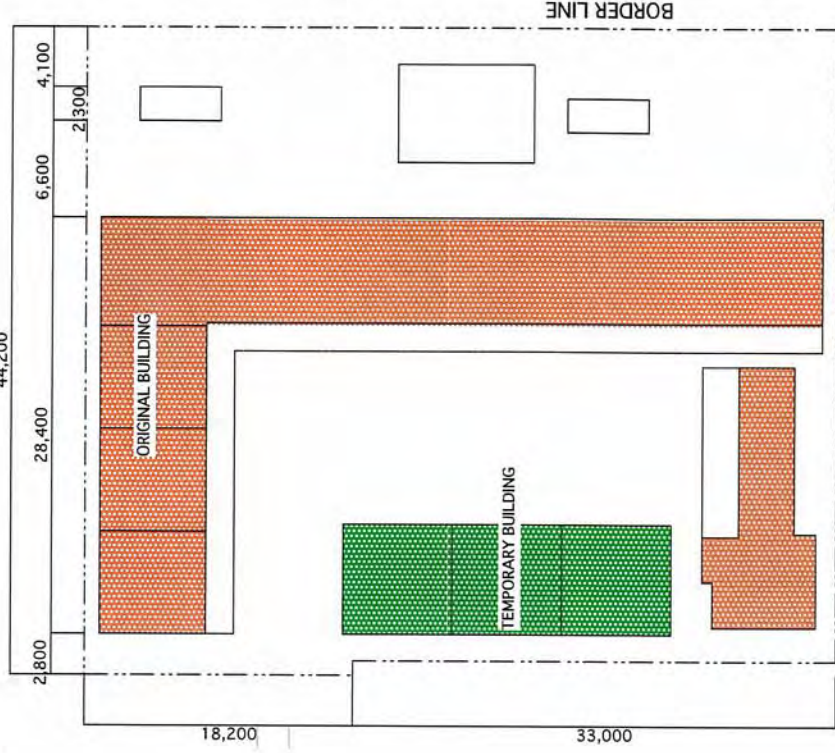


Site Plan


<p>PROJECT NAME Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.</p>	<p>IMPLEMENTATION AGENCY</p>	<p>TITLE PP21 SDN02 V Koto Timur Location Map/Site Plan</p>	<p>SCALE 1/500</p>	<p>DATE yec</p>	<p>DESIGNED CHECKED APPROVED</p>	<p>DWG No. REV.</p>
						0

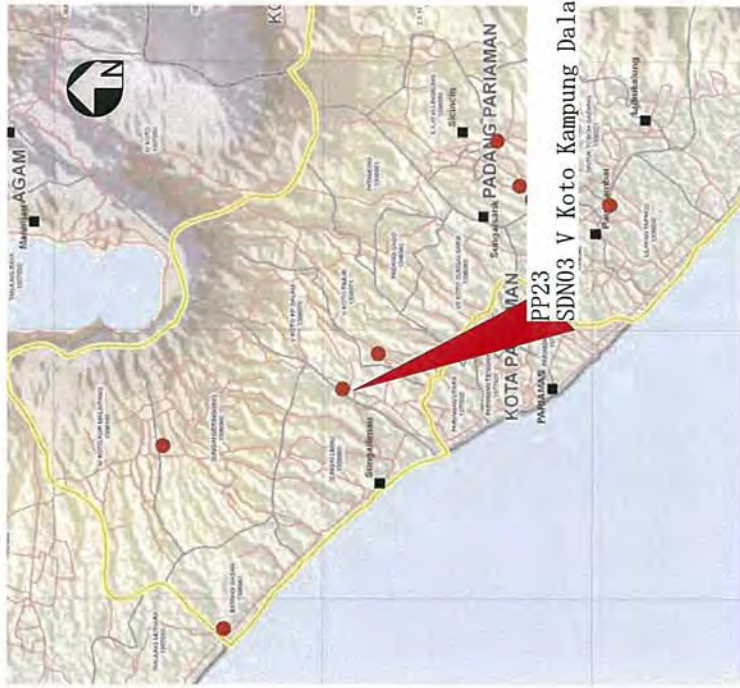


Location Map

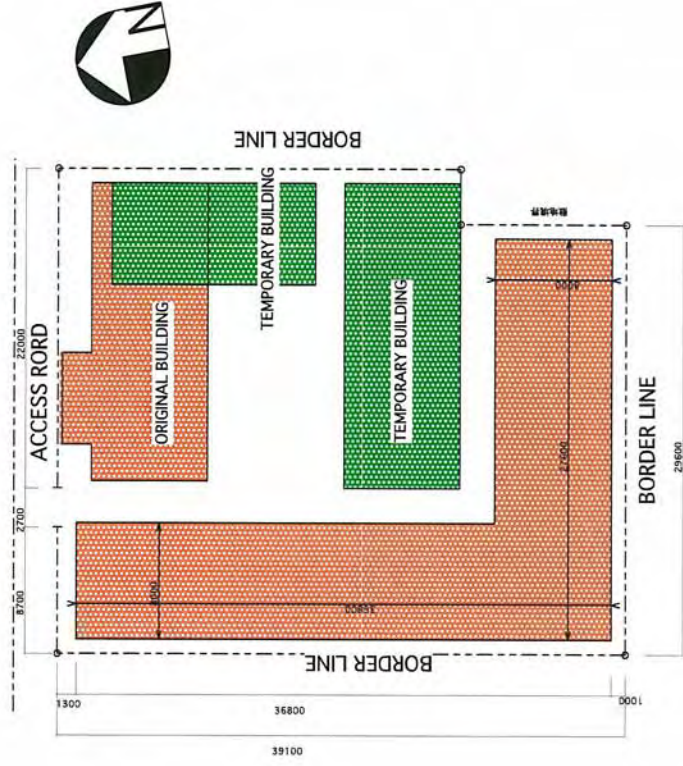


Site Plan

PROJECT NAME	IMPLEMENTATION AGENCY	TITLE	SCALE	DATE	DESIGNED	CHECKED	APPROVED	DWG No.
Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.		PP22 SDN08 2x11 Enam Lingkung Location Map/Site Plan	1/500					
 YACHYO ENGINEERING CO., LTD. TOKYO, JAPAN								REV.
								0

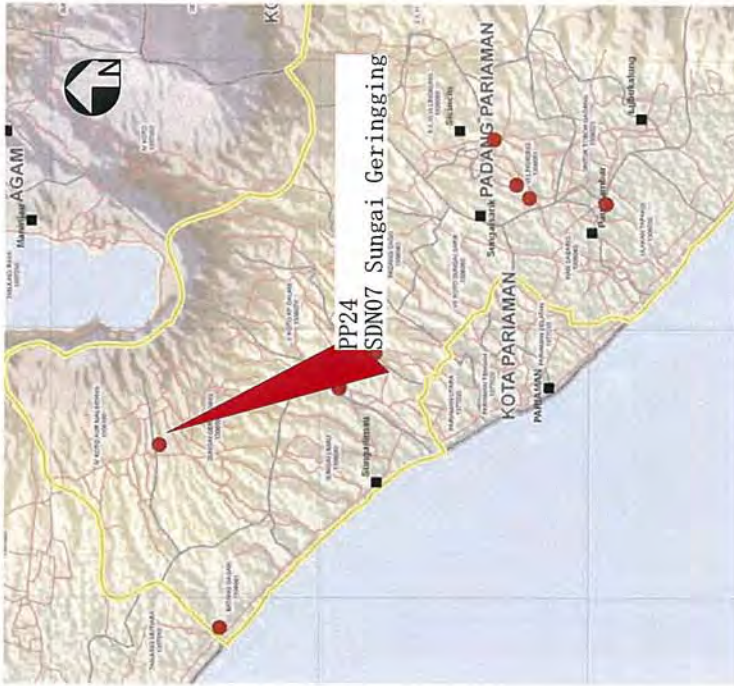


Location Map



Site Plan

PROJECT NAME	IMPLEMENTATION AGENCY	TITLE	SCALE	DATE	DESIGNED	CHECKED	APPROVED	DWG No.
Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.		PP23 SDN03 V Koto Kampung Dalam Location Map/Site Plan	1/500					
						YEC		
						YACHYO ENGINEERING CO., LTD. TOKYO, JAPAN		
								REV. 0



Location Map

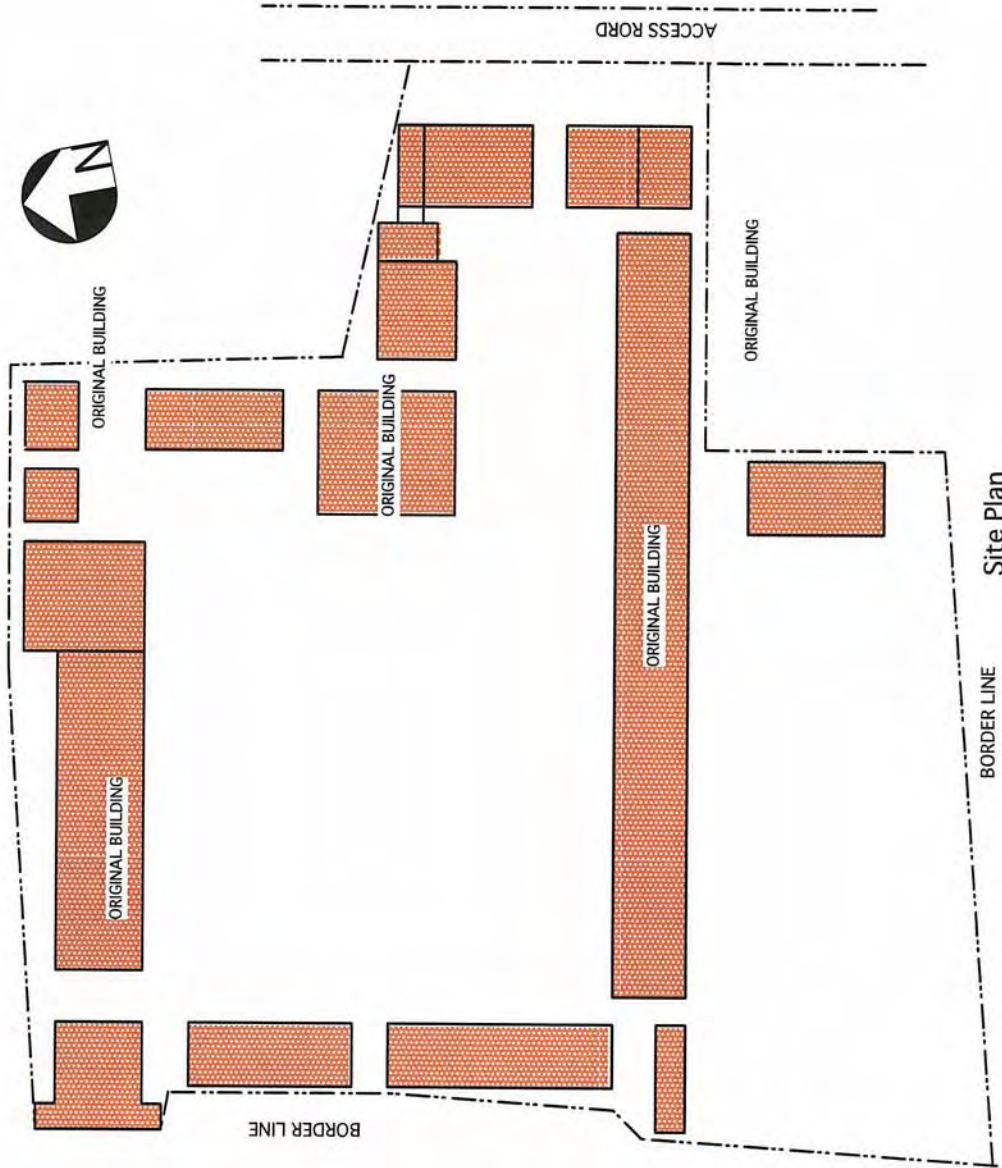


Site Plan

PROJECT NAME	IMPLEMENTATION AGENCY	TITLE	SCALE	DATE	DESIGNED	CHECKED	APPROVED	DWG No.
Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.		PP24 SDN07 Sungai Geringging Location Map/Site Plan	1/500					
				yec	YACHIYO ENGINEERING CO., LTD. TOKYO, JAPAN			REV.
								0

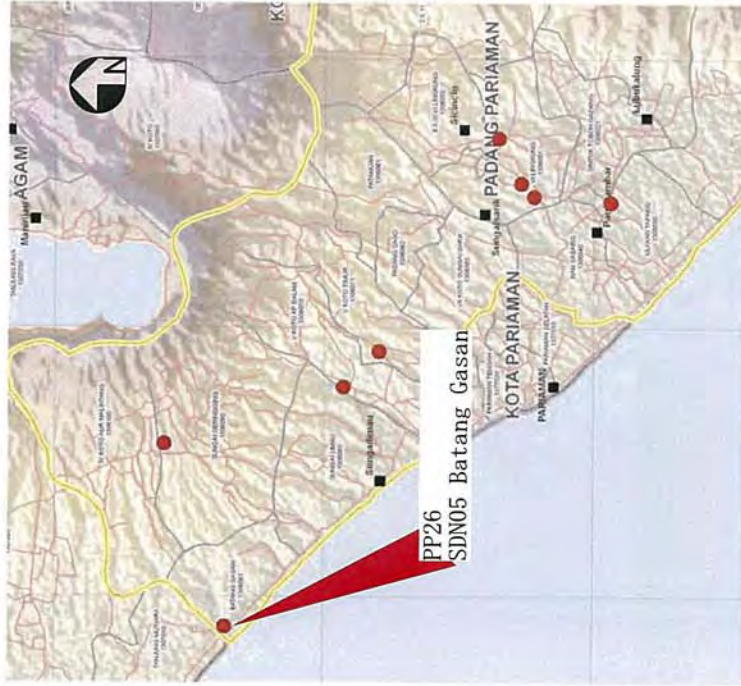


Location Map



Site Plan

PROJECT NAME Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.	IMPLEMENTATION AGENCY	TITLE	SCALE	DATE	DESIGNED	CHECKED	APPROVED	DWG No.
		PP25 SMPN1 Enam Lingkung Location Map/Site Plan	1/800					
		yec						
		YACHIYO ENGINEERING CO., LTD. TOKYO, JAPAN						
								REV. 0

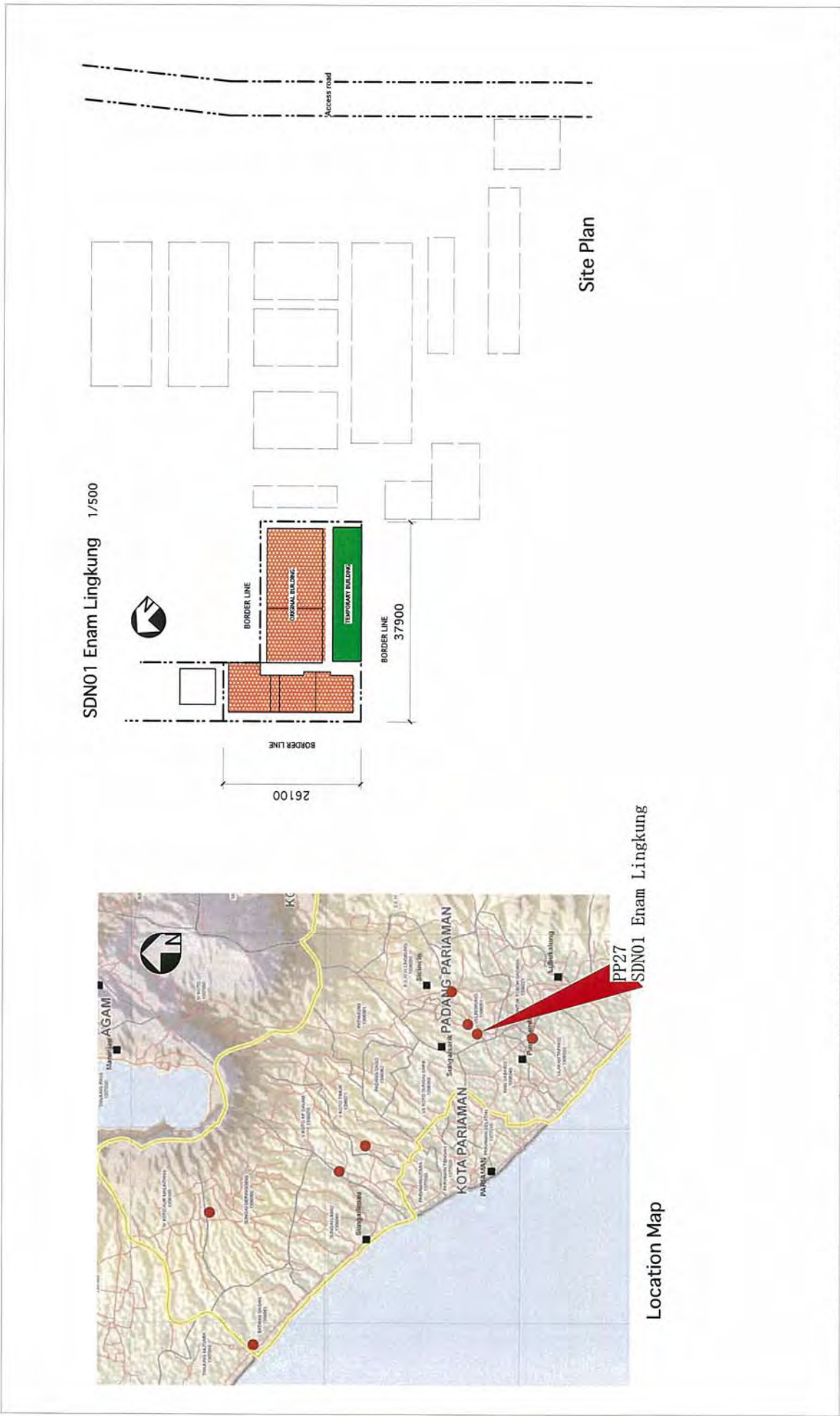



Location Map



Site Plan

PROJECT NAME Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.	IMPLEMENTATION AGENCY		TITLE	SCALE	DATE	DESIGNED	CHECKED	APPROVED	DWG No.
	PP26 SDN05 Batang Gasan Location Map/Site Plan		1/500	yec	YACHYO ENGINEERING CO., LTD. TOKYO, JAPAN				REV. 0



PROJECT NAME	IMPLEMENTATION AGENCY	TITLE	SCALE	DATE	DESIGNED	CHECKED	APPROVED	DWG No.
Urgent Project on Reconstruction of Schools Considering Quake-Resistance and Community Based Disaster Risk Management in the Province of West Sumatra.		PP27 SDN01 Enam Ligung Location Map/Site Plan	1/500					
 YACHIO ENGINEERING CO., LTD. TOKYO, JAPAN							REV.	0

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