

**MINUTES OF MEETINGS  
FOR  
THE STUDY  
ON  
APPLICATION OF PARTICIPATORY PLANNING  
IN RURAL AND AGRICULTURE DEVELOPMENT PROJECT  
IN THE LAM PA CHI RIVER BASIN  
IN  
THE KINGDOM OF THAILAND  
AGREED UPON BETWEEN  
THE ROYAL IRRIGATION DEPARTMENT OF  
THE MINISTRY OF AGRICULTURE AND COOPERATIVES  
AND  
THE JAPAN INTERNATIONAL COOPERATION AGENCY**

Bangkok, 13 February, 2002



Mr. Mondhian Kangsasiatam  
Deputy Director General for Engineering  
Royal Irrigation Department  
Ministry of Agriculture and Cooperatives  
Kingdom of Thailand



Mr. Kazuhiko MARUYAMA  
Team leader  
the Preparatory Study Team  
Japan International Cooperation Agency  
Japan

In response to a request from the Government of Kingdom of Thailand (hereinafter referred to as the "GOT"), the Preparatory Study Team (hereinafter referred to as "the Team") headed by Mr. Kazuhiko MARUYAMA was sent to the Kingdom of Thailand by the Japan International Cooperation Agency(hereinafter referred to as "JICA") from January 26 to February 14,2002. The Team held a series of discussions and field survey in relation to **THE STUDY ON APPLICATION OF PARTICIPATORY PLANNING IN RURAL AND AGRICULTURE DEVELOPMENT PROJECT IN THE LAM PA CHI RIVER BASIN** (hereinafter referred to as "the Study") with representatives of the Royal Irrigation Department(hereinafter referred to as " the RID") and other relevant organizations. The list of participants in the series of meetings is attached as ANNEX 1. The following were agreed upon by both Thai and Japanese sides in relation to the Study.

#### 1. Need to study under the participation of stakeholders

The RID explained the needs of the Study in the direction of the Royal Thai Government's policy that emphasized on the necessity of participatory approach. Both the Team and the RID jointly elaborated and confirmed the skeleton of participatory approach (ANNEX 2) to be applied to the Study for formulating a master plan and implementing a pilot project(s) and the schedule of the Study.

#### 2. The pilot project(s)

The Team and the RID discussed and agreed a procedure to select the pilot project(s) of which candidate project(s) shall result in applying the participatory approach most effectively. It is accepted that the Thai side will determine the pilot project site(s) after the Japanese side recommend the candidates.

The conditions for selecting pilot project site(s) were mutually agreed as follows:

- 1)Field: Agriculture and Irrigation development
- 2)Size: Small-scale
- 3)Number: Not more than two(2) within JICA's budget.

JICA and the RID shall consult with each other if more than two pilot projects are necessary for implementation within the JICA budget as the result of the Study.

#### 3. Work sharing

The Team and the RID understood the importance of work sharing to make the participatory arrangements.

While the RID will make every effort in conducting survey which is one of the components of the Study, the Japanese side, including work done by local consultants whom the JICA is going to fund on, will take items mentioned below:

The Japanese side will mainly share the following:

- 1) Participation method of stakeholders in formulating the master plan and implementing the pilot projects.
- 2) Contribution of beneficiaries of projects.
- 3) Formulation of the draft master plan.
- 4) Implementation of pilot project(s).
- 5) Formulation of the master plan for the Study area taking into account the outcome of the pilot

project(s).

The Thai side requested the environmental profile of the basin to be conducted by the Japanese side. The Japanese side took note it.

The Thai side will mainly share the following:

- 1) Review of previous master plans and existing development projects/plans for the Lam Pa Chi River Basin.
- 2) Data collection of water resources except ground water.
- 3) Conduct of Initial Environmental Examination (IEE) of the pilot project(s), if it is necessary.
- 4) Selection of the area for pilot project(s) based on criteria set during the study.
- 5) Following up the draft master plan.

It is noted that collecting opinions for finalizing the master plan will be continually carried out by the Team in cooperation with the Thai side in Phase 2 after the presentation of the draft master plan.

- 6) Diffusion of knowledge and information gained by those concerned with the study through technical transfer seminars and other activities

#### 4. Arrangements on the Study coordination

For the sake of smooth and effective conduct of the Study, both the Team and the RID agreed to establish a Joint Steering Committee to monitor and supervise implementation of the study. Embassy of Japan, JICA Thailand Office, JICA expert attached to the RID and JICA study team will be the members of the committee. The member of Thai side will be decided in due course.

The RID has already established a Steering Committee to coordinate arrangements of the study to be conducted in Thailand in cooperation with the agencies/organizations concerned at central level. The RID explained a sub-committee at local level will be formed by the commencement of the study. The Team requested the Thai side to make necessary efforts for that.

The Team emphasized the importance of technical advisory support for the communities at Tambon Administration Office (TAO) workshops and requested the RID to establish technical support group which consist of members from agencies/organizations concerned at local level. The RID understood the necessity of such assistance and took note the request of the Team.

#### 5. Seminar/workshop

To make the Study effective to promote the participatory approach on planning in RID activities, the Team and the RID mutually understood the needs of seminars/workshops to get public opinions and to give information.

Both sides further agreed to make possible efforts to have opportunities to train RID staff.

#### 6. Counterpart organization and counterpart personnel

- (1) In implementing the Study, the RID will nominate the counterpart personnel to the Study Team, as proposed tentatively in ANNEX3:
- (2) The RID will provide office space and facilities for the Study Team at Bangkok and Provincial offices.

Masuda

## 7. Training of Counterpart Personnel

The RID requested that a few Thai counterpart personnel will be considered as participants for the short term training in Japan instead of one long term training to promote an effective technology transfer. The Team promised to convey the request to the JICA head quarters.

## 8. Equipment

The RID requested some equipment for this study (Annex 4). The equipment will be used in facilitating the study in participatory activities and public relations. The Team promised to convey the request to the JICA head quarters.

## 9. Reports and documents

For effective participation of communities the RID requested draft final report (summary) and final report (summary) to be translated into Thai language. Additional documents for the purpose of participatory activities will be prepared in Thai language. The Team promised to convey the request to the JICA head quarters.

**(A) LIST OF RID STAFF MET BY THE JICA PREPARATORY STUDY TEAM**

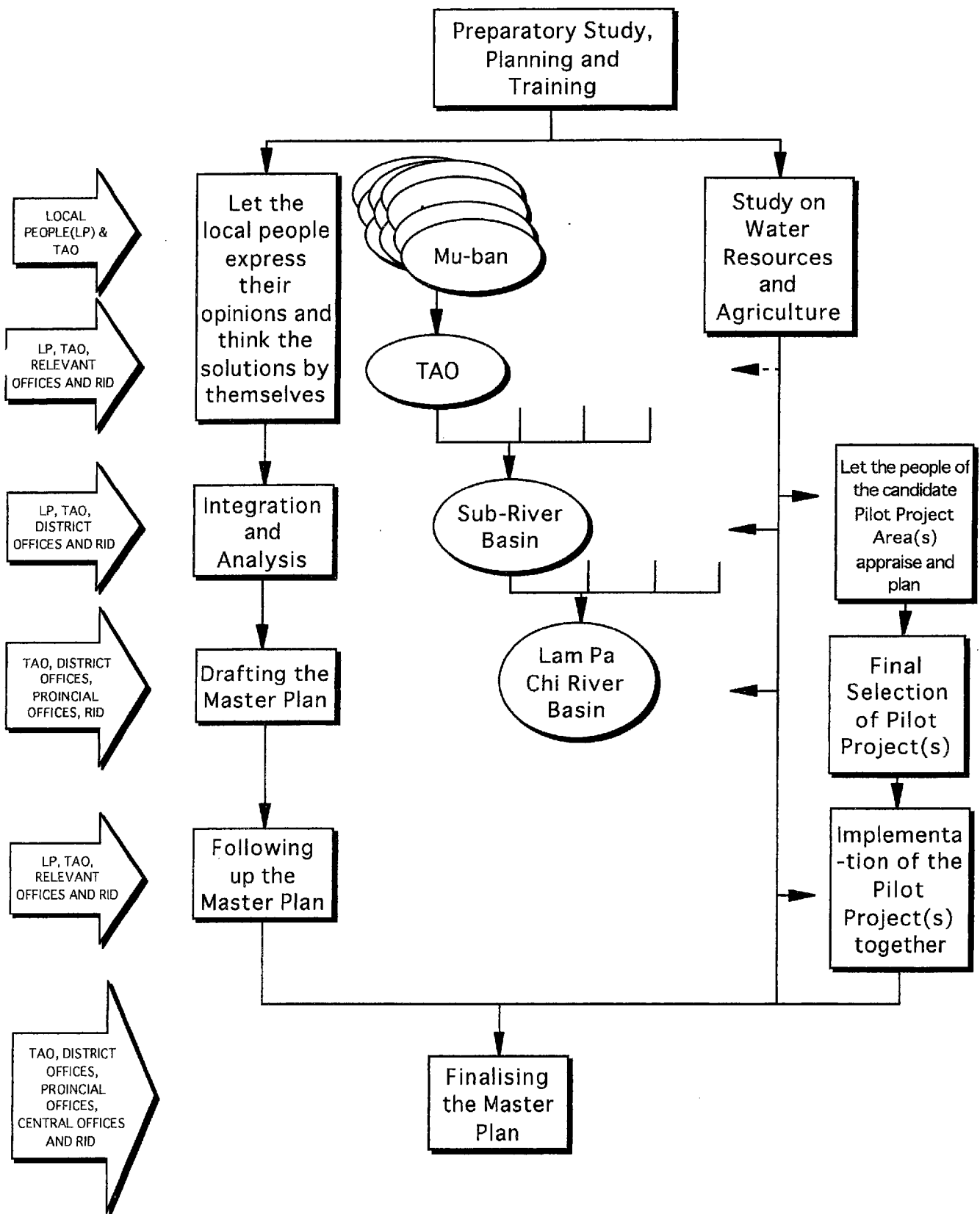
1. Mr. Mondhiam Kangasatiam	Deputy Director General for engineering
2. Dr. Siripong Hungsapreug	Director, Office of Budget Programming and Project Planning
3. Mr. Prasong Sargchokyu	Director, Office of Regional Irrigation 10
4. Mr. Suwit Thanopanuwat	Chief, Project Planning Section 1
5. Mr. Chatchai Boonlue	Chief, Policy and Plan Coordinating Section
6. Mr. Teerachai Chonhenchob	Chief, Project Planning Section 3
7. Mr. Santi Thinnakorn	Economist 7, Economic Branch
8. Mr. Pittaya Hiranburana	Economist 8, Evaluation Branch
9. Mr. Chalum Nilapant	Civil Engineer 7, Project Planning Section 3
10. Mr. Weera Wangvarawong	Civil Engineer 5, Project Planning Section 1

**(B) LIST OF THE PREPARATORY STUDY TEAM, JICA**

1. Mr. Kazuhiko MARUYAYA	Leader
2. Mr. Mitsuru KIMURA	Member
3. Mr. Hikaru OISHI	Member
4. Mr. Shinji KAWABE	Member
5. Mr. Toshiro IWAHASHI	Member
6. Mr. Yoji KAMATA	Member



# The Skelton of Participatory Approach



*Mondhuan*

**List of Tentative proposed Counterparts**

**Central level**

1) Water Resource Group

1. Mr. Teerachai Chonhenchob
2. Mr. Chalum Nillapan

2) Participation Group

1. Mr. Pittaya Hiranburana
2. Mr. Santi Thinnakorn
3. Mr. Weera Wangvarawong

3) Flood Management

Mr. Suwit Thanopanuwat

**Project Coordinator**

Mr. Chatchai Boonlue

**Local**

**Regional 10 (PIM Unit)**

Mr. Manoch Nilniyum

**Kanchanaburi**

1. Mr. Niwat Aimsophon
2. Mr. Sungsak Saowong

**Ratchaburi**

1. Mr. Thepong Trinete
2. Mr. Pirat Thapprasert



*Manochian*

**Equipments required**

<b><u>Mobile Unit</u></b>	<b>NO.</b>
1. Microbus	2
2. Four wheel stationwagon	2
3. Computer /VCD with projector	2

**Office Unit**

1. Planimeter	1
2. Plotter machine	1



## 資料リスト (■収集資料/□専門家作成資料)

主管部長	文書管理課長	主管課長	情報管理課長	技術情報課長	図書館受入日

プロジェクトID	024-1097-F-0		調査団番号		
地域	アジア	調査団名又は専門家氏名	ランパチ川流域農業農村開発における参加型計画適用調査	調査の種類又は 指導科目	開発調査(事前調査)
国名	タイ	配属機関名		現地調査期間又は派遣期間	14年1月26日～14年2月14日
				担当部課	農業開発調査課
				担当者氏名	川部伸治

番号	資料の名称	形態(図書、ビデオ、地図、写真等)	収集資料	専門家作成資料	JICA作成資料	その他	発行機関	取扱区分	図書館記入欄
1	Map, Ban Pon Krathing Lang, Sheet No.4835 I	地図	*				Surveying Department	①CR( )・SC	
2	Map, Huai Mae Pradon, Sheet No.4835 II	地図	*				Surveying Department	①CR( )・SC	
3	Map, Huai Sam Phraeng, Sheet No.4835 III	地図	*				Surveying Department	①CR( )・SC	
4	Map, Khao Kong Thao, Sheet No.4835 IV	地図	*				Surveying Department	①CR( )・SC	
5	Map, King Amphoe Dan Makham Tia, Sheet No.4836 I	地図	*				Surveying Department	①CR( )・SC	
6	Map, Amphoe Suan Phung, Sheet No.4836 II	地図	*				Surveying Department	①CR( )・SC	
7	Map, Muang Thung Chedi, Sheet No.4836 III	地図	*				Surveying Department	①CR( )・SC	
8	Map, Ban Huai Nam Khao, Sheet No.4836 IV	地図	*				Surveying Department	①CR( )・SC	
9	Map, Amphoe Nong Ya Plong, Sheet No.4935 III	地図	*				Surveying Department	①CR( )・SC	
10	Map, Ban Tha Maklua, Sheet No.4935 IV	地図	*				Surveying Department	①CR( )・SC	
11	Map, Amphoe Chom Bung, Sheet No.4936 III	地図	*				Surveying Department	①CR( )・SC	
12	Map, Amphoe Tha Muang, Sheet No.4936 IV	地図	*				Surveying Department	①CR( )・SC	
13	Map, Location of Hydrologic Observation Stations & River Basins	地図	*				RID, Hydraulic Section	①CR( )・SC	
14	Map, Location of Rain Gauge Stations	地図	*				RID, Hydraulic Section	①CR( )・SC	
15	Legislation for watersheds	コピー	*				RID, Environmental Section (コピー、タイ語)	①CR( )・SC	
16	Fisheries Act B.E. 2490	コピー	*				RID, Environmental Section (コピー、英語)	①CR( )・SC	
17	Wild Animals Preservation and Protection Act B.E. 2535(1992)	コピー	*				RID, Environmental Section (コピー、タイ語)	①CR( )・SC	
18	New National Parks Act B.E. 2504	コピー	*				RID, Environmental Section (コピー、タイ語)	①CR( )・SC	
19	Land Act B.E. 1954	コピー	*				RID, Environmental Section (コピー、タイ語)	①CR( )・SC	

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20	Agricultural Statistics of Thailand Crop Year 2000/2001	図書	*				Center for Agricultural Information of Agricultural Economics, Ministry of Agriculture & Co-operatives	IB・CR( )・SC	
21	経済危機後の農家の状況と農家経済状態基礎データ (1999)	コピー	*				農業・共同組合省農業経済局	IB・CR( )・SC	
22	Statistical Reports of Changwat Ratchaburi 2001 Edition	図書	*				Ratchaburi Provincial Statistical Office, National Statistical Office, Office of the Prime Minister	IB・CR( )・SC	
23	Statistical Reports of Changwat Kanchanaburi 2001 Edition	図書	*				Kanchanaburi Provincial Statistical Office, National Statistical Office, Office of the Prime Minister	IB・CR( )・SC	
24	Ratchaburi	図書	*				Ratchaburi Provincial Governor Office	IB・CR( )・SC	
25	Ratchaburi 2001 (Statistical Data)	パンフレット	*				Rachaburi Provincial Governor Office	IB・CR( )・SC	
26	Detail of Kanchanaburi Provincial Development Plan (2002-2006) (Only Index)	コピー	*				Plan and Policy Branch, Office of Kanchanaburi Province	IB・CR( )・SC	
27	District Development 5 years Plan (2002-2006) Bankha District, Ratchaburi	コピー (オリジナルはCD)	*				Department of Local Administration, Ministry of Interior	IB・CR( )・SC	
28	District Development 5 years Plan (2002-2006) Suanphung District, Ratchaburi	コピー (オリジナルはCD)	*				Department of Local Administration, Ministry of Interior	IB・CR( )・SC	
29	District Development 5 years Plan (2002-2006) ChomBung District, Ratchaburi	コピー (オリジナルはCD)	*				Department of Local Administration, Ministry of Interior	IB・CR( )・SC	
30	District Development 5 years Plan (2002-2006) Danmakhamtia District, Kanchanaburi	コピー (オリジナルはCD)	*				Department of Local Administration, Ministry of Interior	IB・CR( )・SC	
31	Nong Phai TAO, Danmakhamtia District, Kanchanaburi	コピー	*				Office of Nong Phai TAO, Danmakhamtia District, Kanchanaburi	IB・CR( )・SC	
32	Nong Phai TAO Development Plan, Danmakhamtia District, Kanchanaburi	図書	*				Office of Nong Phai TAO, Danmakhamtia District, Kanchanaburi (タイ語)	IB・CR( )・SC	
33	1990 Population and Housing Census Changwat Kanchanaburi (Only Index and Ch.1 to 3)	コピー	*				National Statistical Office, Office of the Prime Minister	IB・CR( )・SC	
34	1990 Population and Housing Census Changwat Ratchaburi (Only Index, Ch.1 and 3)	コピー	*				National Statistical Office, Office of the Prime Minister	IB・CR( )・SC	
35	Capacity Building in the Water Resources Sector Project Final Report Vol.3 of 3, ADB TA 3260 - Thailand	コピー	*				Asian Development Bank& MOAC	IB・CR( )・SC	
36	Restructuring of the Ministry of Agriculture and Cooperatives: Plan of TTC(Technology Transfer Centre) (2000), ADB TA 3261 - Thailand	コピー	*				Asian Development Bank& MOAC	IB・CR( )・SC	
37	A Guideline for WUO's Development	コピー	*				Poolswat Duanduan, On-farm Water Management Branch, O&M Devison, RID	IB・CR( )・SC	

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38	Socio-Agro-Economic Questionnaire	コピー	*				Economic Branch, Office of Budget Programming and Project Planning, RID, MOAC	IB-CR( )-SC	
39	Ratchaburi Province Irrigation Project Office, Region 10, RID	パンフレット	*				Ratchaburi Province Irrigation Project Office, Region 10, RID (タイ語)	IB-CR( )-SC	
40	Thai Government Organizational Directory (1995) (Only Index)	コピー	*				The Government Public Relations Department, Office of the Prime Minister	IB-CR( )-SC	
41	Land Use Planning, Lam Pa Chi Basin (1999)	コピー	*				Land Development Department(LDD), MOAC	IB-CR( )-SC	
42	Survey and Analysis of Land Use in Lam Pa Chi Basin year 1997	コピー	*				Land Development Department(LDD), MOAC	IB-CR( )-SC	

## 5. 面接者

氏名	組織	部局	役職
Mondhian Kangsasiatian	RID		Deputy Director General for Engineering
Siripong	Ditto	Office of Budget Programming & Project Planning	Director of OBPP
Chatchai Boonlue	Ditto	Policy Coordinating & Project Planning Section	Chief of Section
Suwit Thanopanuwat	Ditto	Project Planning Section 1, OBPP	Chief of PPS-1
Teerachai Chonhenchob	Ditto	Project Planning Section 3, OBPP	Chief of PPS-3
	Ditto		
Weeraa Wangwarawong	Ditto	Project Planning Section 1	Engineer
Werachai Chupisanuyarote	Ditto	Ditto	Engineer
Chalum Nilapant	Ditto	Project Planning Section 3	Engineer
Sangad Onnum	Ditto	Economic Branch, OBPP	Chief of Branch
Santi Thinnakorn	Ditto	Ditto	Economist
Thanakorn Jatawong	Ditto	Ditto	Economist
Pittaya Hiramburana	Ditto	Project Evaluation Branch, OBPP	Enonomist
Ms. Wimolpat Bumbudsanpharoke	Ditto	Ditto	Economist
Ms. Phakkanan	Ditto	Ditto	Administrator
Tanapat Nantapisarn	Ditto	Hydological Survey Branch, Office of Topographical & Geotechnical Survey	Geologist
Chumpol Waiywat	Ditto	Ditto	Geologist
Prasong Siangchokyoo	Ditto	Regional 10 Irrigation Office	Chief
Supat Wattayu	Ditto	Ditto	
Manote Nilniyom	Ditto	Ditto	
Prawatvit	Ditto	Ditto	
Tebpomg Trinate	Ditto	Ratchaburi Irrigation Project	Chief
Phirat Thupprasert	Ditto	Ditto	Engineer
Seelawat Singmanee	Ditto	Ditto	Engineer
Sumpun Dueansirirut	Ditto	Ditto	Engineer
Sungvean	Ditto	Ditto	Engineer
Niwat Eamsopon	Ditto	Kanchanaburi Irrigation Project	Chief
Songsak Saowong	Ditto	Ditto	Engineer
Boonsong Panichakarn	MOAC	Planning Division, Cooperative Promotion Department	Director of Division
Ms. Anusra Munrawung	Ditto	Ditto	Policy and Plan Analyst

Bandith Tansiri	Ditto	Land Development Department	Director of Land Use Planning Division
Prakob Yingchol	Ditto	Agricultural Land Reform Office	Director of Office
Wunchai Satjabanpot	Ditto	Dept. Of Agricultural Extension	Chief of Irrigated Agriculture Promotion
Paitoon Choomuang	Ditto	Agriculture and Cooperative Office, Ratchaburi	Chief
Worapan Supirat	Ditto	Agricultural Land Reform Office, Ratchaburi	
Bumrung Sangsawang	Ditto	Agriculture Extension Office, Ratchaburi	
Sonakrom Panditto	Ditto	Forestry Office, Ratchaburi	
Payongsak sayawong	Ditto	Cooperative Promotion Office, Ratchaburi	
Pramote Thavorn	Ditto	Cooperative Office, Ratchaburi	
Kiatiisak Sovgthamwat	Ditto	Livestock Office, Ratchaburi	
Sornporn Lohsuwatgoon	Ditto	Fisheries Office, Ratchaburi	
Phai Iryarn	Ditto	Land Development, Ratchaburi	
Thanatip Phondmahit	Ditto	Land Development, Kanchanaburi	Chief
Boonlnd Srignam	Ditto	Cooperative Promotion Office, Kanchanaburi	Chief
Watcharin Onnum	Ditto	Office of Agriculture and Cooperative, Kanchanaburi	
Danai Panyasuntigul	Ditto	Forestry Office, Kanchanaburi	
Yothin Manaporkdee	Ditto	Agriculture Extension Office, Kanchanaburi	
Suvgmee	Ditto	Land Reform Office, Kanchanaburi	
Niporn	Ditto	Fisheries Office, Kanchanaburi	
Kasem Kansupt	Ditto	Livestock Office, Kanchanaburi	
Vatcharn Srisamran	Ministry of interior	Provincial Governor Office, Ratchaburi	
Sakda Sermsuk	Ditto	Provincial Governor Office, Kanchanaburi	
Ms. Tituluck Wongpin	Ditto	Community Development Office	
Sitthichai Paophan		TAO Chorakhe Phuak, Dan Makham Tia District	Deputy District Officer, Sub-district Coordinator

Potchanat Kaewpanna		Ditto	Administrative Assistant of TAO
Virat Rodchareon		TAO Nong Pai, Dan Makham Tia District	Chairman of TAO Assembly
Somkid Leng Kaam		Ditto	Vice Chairman of TAO Assembly
Pornthep Sodsuk		Ditto	Member of TAO Assembly
Virat		Ditto	Ditto
Paen Boontaen		Ditto	Ditto
Prasert Aodaen		Ditto	Ditto
Boonsueb Bhudaaaraksa		Ditto	Ditto
Somsak		Ditto	Ditto
Ms. Photchanee Krutwong		Ditto	Ditto
Ms. Nareerat		Ditto	Chief of Civil Engineer
Sunthorn Boonlum		Ditto	Staff of TAO
Praison Sirimua		Ditto	Chief of Muban No.6
PrakobSingjinda		TAO Dan Tab Tako, Chom Bung District	President
Sawad Panpunca		Ditto	Chairman of TAO Assembly
Thanomsak Nirut		Ditto	Chief of Civil Engineer
Pipat Chanlek		Ditto	Civil Engineer
Anek Khaunpan		Ditto	Administrative Committee
Jedsada Suthisasanakul		Tesaban TAO (Dan Tab Tako Municipal Office)	Load Mayor of Tab Tako Municipality
Kriangsak Phattazakosol	Ratchaburi Sugar Factory		Field Manager
Bampud Mangate	Ditto		Staff
Sumpon Dueansirirut	Ditto		Staff
Phanu Kholimard	Ditto		Staff
Kuniyoshi Ishizaka	JICA	RID	Expert
Siota	Ditto	Ditto	Expert
Onimaru	Ditto	Ditto	Expert
Yamada	Ditto	Ministry of Interior	Expert

LIST OF RAINFALL STA.

CODE	STATION_NAME	PROVINCE	PERIOD	LATITUDE	LONGITUDE	LATITUDE			LONGITUDE		
						D	M	S	D	M	S
12081	Ban Pangmakha ( Ct.5A ) , A.Khanu Woralakbu	Kamphaeng Phet	1970-date	15.902778	99.479167	15	54	10	99	28	45
12091	Ban Pang Wai ( P.35 ) , A.Khlong Khiung	Kamphaeng Phet	1976-date	16.072778	99.405000	16	04	22	99	24	18
12121	Ban Pong Nam Ron ( P.47 ) , A.Khlong Lan	Kamphaeng Phet	1984-date	16.334167	99.274722	16	20	03	99	16	29
12132	A.Khlong Lan	Kamphaeng Phet	1986-date	16.246389	99.330278	16	14	47	99	19	49
13013	A.Mueang	Kanchanaburi	1920-date	14.002222	99.553333	14	00	08	99	33	12
13022	A.Tha Muang	Kanchanaburi	1922-date	13.964722	99.641389	13	57	53	99	38	29
13032	A.Phanom Thuan	Kanchanaburi	1922-date	14.127222	99.701667	14	07	38	99	42	06
13042	A.Tha Maka	Kanchanaburi	1922-date	13.905556	99.769444	13	54	20	99	46	10
13053	Ban Lin Thin , A.Thong Pha Phum ( K.13 )	Kanchanaburi	1952-date	14.742222	98.636389	14	44	32	98	38	11
13063	A.Sangkhla Buri	Kanchanaburi	1921-date	15.114167	98.471389	15	06	51	98	28	17
13073	A.Sai Yok	Kanchanaburi	1923-date	14.113889	99.141111	14	06	50	99	08	28
13083	A.Si Sawat	Kanchanaburi	1922-date	14.674167	99.034167	14	40	27	99	02	03
13092	Pilok Tin Mine , A.Thong Pha Phum	Kanchanaburi	1956-date	14.839722	98.542778	14	50	23	98	32	34
13102	A.Bo Phloi	Kanchanaburi	1954-date	14.323889	99.518056	14	19	26	99	31	05
13112	Ban Na Suan , A.Si Sawat	Kanchanaburi	1957-date	14.915833	99.082500	14	54	57	99	04	57
13122	Lam Sai Lam Phao Forest Plantation , A.Muea	Kanchanaburi	1956-1977	13.983333	99.266667	13	59	00	99	16	00
13132	Hin Lap , A.Bo Phloi	Kanchanaburi	1966-date	14.211667	99.463333	14	12	42	99	27	48
13152	Ban Wang Pa Tho , A.Sangkhla Buri	Kanchanaburi	1966-1983	14.887778	98.516944	14	53	16	98	31	01
13171	Vajiralongkorn Dam , A.Tha Muang ( K.11 )	Kanchanaburi	1972-date	13.948611	99.645000	13	56	55	99	38	42
13184	Sai Yok Plantation	Kanchanaburi	1955-date	14.438333	98.853333	14	26	18	98	51	12
13191	Kaeng Riang , A.Si Sawat ( K.6 )	Kanchanaburi	1952-1968	14.428611	99.117778	14	25	43	99	07	04

13200	Tha Lo Project , A.Thu Muang ( K.8 )	Kanchanaburi	1957-1994	13.968333	99.586667	13	58	06	99	35	12
13211	Ban Lum Sum , A.Sai Yok ( K.10 )	Kanchanaburi	1965-date	14.094444	99.174444	14	05	40	99	10	37
13221	Ban Mae Nam Noi , A.Sai Yok ( K.22A )	Kanchanaburi	1966-date	14.445556	98.802222	14	26	44	98	48	08
13231	Ban Thung Na Nang Rok , A.Mueang ( K.12 )	Kanchanaburi	1968-1970	14.154167	99.418333						
13240	Nong Ta Khao Headwork , A.Thu Muang	Kanchanaburi	1975-1994	14.051389	99.631389	14	03	05	99	37	53
13260	Ban Ong Kha , A.Si Sawat ( K.19 )	Kanchanaburi	1968-1972	14.869722	99.063889						
13271	Ban Wang Yai , A.Bo Phloi ( K.27 )	Kanchanaburi	1968-1988	14.337222	99.489444	14	20	14	99	29	22
13281	Ban Wang Masang , A.Si Sawat ( K.20 )	Kanchanaburi	1968-1981	14.347778	99.179167	14	20	52	99	10	45
13294	Hat Pana , A.Si Sawat	Kanchanaburi	1970-1979	14.965000	99.085000	14	57	54	99	05	06
13305	Sri Nagarindra Dam , A.Si Sawat	Kanchanaburi	1970-date	14.406667	99.128333	14	24	24	99	07	42
13314	Ban Phu toi , A.Sai Yok	Kanchanaburi	1970-date	14.303333	98.983333	14	18	12	98	59	00
13322	Khao Salob National Park ( Erawan Park )	Kanchanaburi	1970-date	14.295556	99.375833	14	17	44	99	22	33
13330	Nakhon Pathom Project , A.Thu Maka	Kanchanaburi	1973-1994	13.945278	99.766667	13	56	43	99	46	00
13342	Ban Khao Lek , A.Si Sawat	Kanchanaburi	1973-date	14.870278	99.010000	14	52	13	99	00	36
13352	Ban Rai School , A.Thong Pha Phum	Kanchanaburi	1974-date	14.711944	98.536111	14	42	43	98	32	10
13362	Wat Hindat School , A.Thong Pha Phum	Kanchanaburi	1974-date	14.607222	98.720556	14	36	26	98	43	14
13372	Ban Phu Krriang , A.Sai Yok	Kanchanaburi	1974-1994	14.433333	98.883333	14	26	00	98	53	00
13392	Visetkun School , A.Thong Pha Phum	Kanchanaburi	1976-date	14.816667	98.483333	14	49	00	98	29	00
13404	Ban Wiakhadi , A.Sangkhla Buri	Kanchanaburi	1976-date	15.181111	98.328889	15	10	52	98	19	44
13414	Livestock Breeding , A.Mueang	Kanchanaburi	1977-date	13.959722	99.503611	13	57	35	99	30	13
13422	Ban Chi Daeng Cheng , A.Sangkhla Buri	Kanchanaburi	1977-1979	15.038889	98.394444	15	02	20	98	23	40
13444	Nam Chon , A.Thong Pha Phum	Kanchanaburi	1978-1992	15.208333	98.903333	15	12	30	98	54	12
13464	Khao Laem Dam , A.Thong Pha Phum	Kanchanaburi	1982-1996	14.783333	98.630556	14	47	00	98	37	50



13511	Hydrological Center 7 , A.Tha Muang	Kanchanaburi	1996-date	13.973056	99.626667									
13561	Ban Bong Ti Noi , A.Sai Yok ( K.32A )	Kanchanaburi	1997-date	14.273611	98.934444									
13571	Ban Thung Pong , A.Bo Phloi ( K.44 )	Kanchanaburi	1997-date	14.673056	99.414722									
13630	Ban Wang Yen , A.Mueang ( K.37 )	Kanchanaburi	1999-date	13.932500	99.426944									
13640	Ban Si Mong Khon , A.Sai Yok ( K.53 )	Kanchanaburi	1999-date	14.027500	99.225278									
13650	Ban Lin Thin , A.Thonh Pha Phum ( K.54 )	Kanchanaburi	1997-date	14.533889	98.790833									
23012	A.Mueang	Nakhon Pathom	1920-date	13.817222	100.071111	13	49	02	100	04	16			
23022	A.Nakhon Chaisi	Nakhon Pathom	1922-date	13.798333	100.190000	13	47	54	100	11	24			
23032	A.Sam Phran	Nakhon Pathom	1922-date	13.722222	100.220278	13	43	20	100	13	13			
23042	A.Bang Len	Nakhon Pathom	1922-date	14.023611	100.176667	14	01	25	100	10	36			
23052	A.Kamphaeng Saen	Nakhon Pathom	1922-date	13.996667	99.994444	13	59	48	99	59	40			
23062	Kamphaeng Saen Agrometeorological Station	Nakhon Pathom	1973-date	13.934444	99.850556	13	56	04	99	51	02			
23070	Phra Phimon Regulator ( SUP.42 ) , A.Bang L	Nakhon Pathom	1952-1990	14.025278	100.181389	14	01	31	100	10	53			
23080	Chedi Bucha Regulator ( SUP.43 ) , A.Nakhon	Nakhon Pathom	1950-1994	13.803056	100.177500	13	48	11	100	10	39			
23090	Mae Klong Yai Irrigated Water Uses Exp.and	Nakhon Pathom	1972-1994	13.952500	99.967222	13	57	09	99	58	02			
23100	Bang Phasi Regulator ( SUP.45 ) , A.Bang Le	Nakhon Pathom	1952-1995	13.975556	100.203611	13	58	32	100	12	13			
23110	Khlong Yong Regulator ( SUP.46 ) , A.Nakhon	Nakhon Pathom	1964-1990	13.826667	100.230000	13	49	36	100	13	48			
23120	Maha Sawat Regulator ( SUP.47 ) , A.Nakhon	Nakhon Pathom	1959-1990	13.809722	100.230556	13	48	35	100	13	50			
23150	Thap Yai Thao ( Km.31+598 ) , Project Sect	Nakhon Pathom	1973-1994	13.873889	99.998333	13	52	26	99	59	54			
23160	9R-5L Canal ( Km.40+240 ) , Project Section	Nakhon Pathom	1973-1994	13.870278	100.061944	13	52	13	100	03	43			
23170	Lam Phaya Regulator ( SUP.44 ) , A.Bang Len	Nakhon Pathom	1973-1990	13.950833	100.214722	13	57	03	100	12	53			
23190	10R-5L Canal ( Km.46+600 ) , Project Sectio	Nakhon Pathom	1973-1994	13.820556	100.135833	13	49	14	100	08	09			
23202	A.Dontum	Nakhon Pathom	1977-date	13.959444	100.084722	13	57	34	100	05	05			

23220	Upper 3L-1R-9L Canal	Nakhon Pathom	1985-1994	13.756944	99.966111	13	45	25	99	57	58
23230	Upper 1L-3L-1R-9L Canal	Nakhon Pathom	1985-1994	13.758889	99.993333	13	45	32	99	59	36
23240	Lower 1R-9L Canal	Nakhon Pathom	1984-1994	13.730833	99.985833	13	343	51	99	59	09
23250	Middle 1L-1R-9L Canal	Nakhon Pathom	1985-1994	13.778333	99.968611	13	46	42	99	58	07
23260	Middle 2L-1R-9L	Nakhon Pathom	1985-1994	13.767778	99.958611	13	46	04	99	57	31
26281	Khlong Pho , Ban Hang Rai , A.Lat Yao	Nakhon Sawan	1975-date	15.639722	99.538889	15	38	23	99	32	20
37012	A.Mueang	Phetchaburi	1920-date	13.109444	99.947778	13	06	34	99	56	52
37032	A.Ban Laem	Phetchaburi	1922-date	13.200833	99.984444	13	12	03	99	59	04
37042	A.Khao Yoi	Phetchaburi	1922-date	13.242500	99.827778	13	14	33	99	49	40
37170	A.Nong Ya Plong ( B.11 )	Phetchaburi	1999-date	13.177778	99.675000						
37250	Nong Nae , A.Ban Lat ( PET.8 )	Phetchaburi	1969-1997	13.092222	99.885000	13	05	32	99	53	06
37260	Bang Chak , A.Mueang ( PET.9 )	Phetchaburi	1969-1997	13.141389	99.906944	13	08	29	99	54	25
37270	Thung Fua , A.Ban Laem ( PET.11 )	Phetchaburi	1969-1997	13.186111	99.913333	13	11	10	99	54	48
37280	Ton Phriang , A.Mueang ( PET.12 )	Phetchaburi	1968-1997	13.071944	99.982778	13	04	19	99	58	58
37322	A.Nong Ya Plong	Phetchaburi	1979-date	13.150000	99.700000	13	09	00	99	42	00
47012	A.Mueang	Ratchaburi	1920-date	13.537222	99.824167	13	32	14	99	49	27
47022	A.Chom Bung	Ratchaburi	1922-date	13.617778	99.595833	13	37	04	99	35	45
47032	A.Damnoen Saduak	Ratchaburi	1922-date	13.515556	99.956944	13	30	56	99	57	25
47042	A.Ban Pong	Ratchaburi	1922-date	13.812500	99.873889	13	48	45	99	52	26
47052	A.Pho Tharam	Ratchaburi	1923-1998	13.691667	99.856944	13	41	30	99	51	25
47062	A.Bang Phae	Ratchaburi	1922-date	13.689444	99.932500	13	41	22	99	55	57
47072	A.Pak Tho	Ratchaburi	1922-date	13.373333	99.847222	13	22	24	99	50	50
47082	A.Wat Phleng	Ratchaburi	1924-date	13.452222	99.889722	13	27	08	99	53	23

47092	Ratchaburi Rice-experimental Station	Ratchaburi	1959-1993	13.495556	99.795000	13	29	44	99	47	42
47102	Rukkhachat Park , A.Chom Bung	Ratchaburi	1965-date	13.625556	99.588333	13	37	32	99	35	18
47110	Nakhon Chum Project , A.Ban Pong	Ratchaburi	1975-1994	13.761111	99.869167	13	45	40	99	52	09
47120	Ban Mai Regulator , A.Pho Tharam	Ratchaburi	1937-date	13.691389	99.833333	13	41	29	99	50	00
47130	Tha Pha Regulator , A.Ban Pong	Ratchaburi	1937-date	13.840833	99.863333	13	50	27	99	51	48
47140	Khlong Ta Khot Regulator , A.Pho Thara	Ratchaburi	1951-1978	13.719722	99.848056	13	43	11	99	50	53
47150	Prasit Chonlakan Weir(20L.1R Section2 Huai	Ratchaburi	1975-1989	13.338889	99.770000	13	20	20	99	46	12
47161	Ban Bo , A.Suan Phung ( K.17 )	Ratchaburi	1966-date	13.544722	99.356111	13	32	41	99	21	22
47170	Bang Pa Regulator , A.Mueang	Ratchaburi	1975-date	13.536667	99.859722	13	32	12	99	51	35
47180	1L-11L Canal Guard Residence , A.Bang Phae	Ratchaburi	1975-date	13.711111	99.905000	13	42	40	99	54	18
47191	Huai Samnak Maiteng , A.Pak Tho ( K.28 )	Ratchaburi	1977-1990	13.506389	99.601111	13	30	23	99	36	04
47200	Ratchaburi Project , A.Pho Tharam	Ratchaburi	1981-date	13.676111	99.853889	13	40	34	99	51	14
47210	11L Canal Guard Residence , A.Pho Tharam	Ratchaburi	1980-date	13.729167	99.854722	13	43	45	99	51	17
47220	3R-12L Canal Guard Residence , A.Pho Tharam	Ratchaburi	1981-date	13.651111	99.906111	13	39	04	99	54	22
47230	Lower 12L Canal Guard Residence , A.Damnoen	Ratchaburi	1981-date	13.573889	99.947500	13	34	26	99	56	51
47240	Phaeng Phuai , Damnoen Saduak	Ratchaburi	1981-date	13.544167	99.924167	13	32	39	99	55	27
47252	A.Suan Phung	Ratchaburi	1982-date	13.615278	99.423056	13	36	55	99	25	23
47262	Chom Bung Teacher College	Ratchaburi	1982-1993	13.616944	99.596944	13	37	01	99	35	49
47271	Ban Bung , A.Suan Phung ( K.25 )	Ratchaburi	1983-date	13.428333	99.406944	13	25	42	99	24	25
47310	Upper 7L Canal	Ratchaburi	1985-1994	13.849722	99.866389	13	50	59	99	51	59
47320	Upper 8L Canal	Ratchaburi	1985-1994	13.831667	99.878611	13	49	54	99	52	43
47330	Upper 10L Canal	Ratchaburi	1985-1994	13.777778	99.865278	13	46	40	99	51	55
47340	Upper 1R-1R-9L Canal	Ratchaburi	1984-1994	13.761389	99.942778	13	45	41	99	56	34

47350	Middle 1R-9L Canal	Ratchaburi	1985-1994	13.774722	99.913056	13	46	29	99	54	47
47360	Middle 9L Canal	Ratchaburi	1985-1998	13.813056	99.941944						
52012	A.Mueang	Samut Sakhon	1921-date	13.545833	100.276667	13	32	45	100	16	36
52022	A.Ban Phaeo	Samut Sakhon	1921-date	13.589444	100.110278	13	35	22	100	06	37
52032	A.Krathum Baen	Samut Sakhon	1921-date	13.653611	100.272222	13	39	13	100	16	20
52040	Krathum Baen Regulator ( SUP.48 ) , A.Krath	Samut Sakhon	1931-1990	13.642778	100.237778	13	38	34	100	14	16
52050	Bang Yang Regulator ( SUP.49 ) , A.Ban Phae	Samut Sakhon	1936-1997	13.634167	100.198333	13	38	03	100	11	54
52060	Coop. Unit Ban Rai Dev. Settlement , A.Muea	Samut Sakhon	1973-date	13.516667	100.300000	13	31	00	100	18	00
53012	A.Mueang	Samut Songkhram	1920-date	13.405000	100.003333	13	24	18	100	00	12
53022	A.Amphawa	Samut Songkhram	1923-date	13.422222	99.959722	13	25	20	99	57	35
53032	A.Bang Khonthi	Samut Songkhram	1922-date	13.467500	99.944444	13	28	03	99	56	40
53040	Bangkok Khwaek Regulator , A.Bang Khonthi	Samut Songkhram	1936-1997	13.494167	99.926111	13	29	39	99	55	34
60022	A.U Thong	Suphan Buri	1921-date	14.373333	99.894167	14	22	24	99	53	39
60112	A.Dan Chang	Suphan Buri	1977-date	14.800833	99.699167	14	48	03	99	41	57
60522	U Thong Agrometeorological Station	Suphan Buri	1981-date	14.300000	99.800000	14	18	00	99	48	00
63042	A.Umphang	Tak	1921-date	16.016111	98.866667	16	42	43	98	34	44
63202	A.Phop Phra	Tak	1986-date	16.374444	98.685278	16	22	28	98	41	07
69052	A.Ban Rai	Uthai Thani	1921-date	15.080000	99.524167	15	04	48	99	31	27
69104	Huai Rabam Forest Plantation Station	Uthai Thani	1921-date	15.483333	99.400000	15	29	00	99	24	00
69121	Ban Bung Ai Chiam , A.Lan Sak ( Ct.9 )	Uthai Thani	1921-date	15.527222	99.469444	15	31	38	99	28	10
69132	A.Lan Sak	Uthai Thani	1921-date	15.466667	99.566667	15	28	00	99	34	00
69150	Ban Sa mo thong , A.Ban Rai ( C.30 )	Uthai Thani	1921-date	15.351111	99.539444	15	21	04	99	32	22
69171	Ban Thap Khlai , T.Thap Luang , A.Ban Rai (	Uthai Thani	1921-date	15.051667	99.588333						