

フェーズ2表(2)

目標	行動課題	1994	1995	1996	1997	1998
5. 7-産物(皮、肉)の有効利用法の確立	5. 小規模生産実験	・イレワニの実験 生産実施	・継続 ・原皮保存方法研究 ・肉の保存、加工方法の研究 ・継続	・継続 ・継続 ・継続	・生産結果報告 ・7-の屠殺、剥皮技術実践	・実験生産継続
6. ミント・ロワニの持続可能な利用へのCITES登録	6. ミント・ロワニ第2世代生産に伴うCITESへの登録資料作成、提出	・資料準備	・継続	・継続	・資料完成、提出	・(・ミント・ロワニ配布)
7. イレワニ養殖事業の民間への導入	7. 民間へのイレワニの種7-配付と技術指導	・イレワニ配布 ・技術指導開始	・継続	・継続	・継続	・継続
8. 民間7-養殖場情報の整理	8. 民間7-養殖場情報の収集、整理	・情報収集、整理開始	・継続	・継続	・継続	・継続
9. 7-養殖事業収益の7-保護活動へ資金還元方法の確立	9. イレワニ養殖事業からのミント・ロワニ人工繁殖及び7-保護区への資金還元方法の資料作成、提言	・資料作成、環境天然資源省への提言	・継続	・継続	・継続	・継続
10. 基礎研究費獲得方法の確立	10. 基礎研究費確保のための財団設立と資金獲得	・財団設立、運営計画の提言	・財団設立	・左運営、基礎研究費獲得	・継続	・継続
11. 生物資源の持続可能な利用を手段とした7-及び他の野生生物の保護活動に対する人々への啓蒙	11. 適切な広報活動	・施設設置	・左運営、管理	・継続	・継続	・継続
12. 自然観察ハウスの設置	12. 自然観察ハウスの設置	・施設設置	・左運営、管理	・継続	・継続	・継続

Table. Annual Population Change

	1987	1988	1989	1990	1991
C. mindorensis					
Hatchling	0	0	5	28	143
Juvenile	5	2	0	2	48
Sub-adult	9	7	10	10	25
Adult, male	1	3	6	13	25
Adult, female	2	3	10	15	24
Sub-Total	17	15	31	68	265
C. porosus					
Hatchling	52	3	5	81	235
Juvenile	1	42	66	35	49
Sub-adult	2	3	25	73	68
Adult, male	2	3	11	27	31
Adult, female	2	4	17	30	54
Sub-total	59	55	124	246	437
Total	76	70	155	314	702

Table. Breeding Stock Acquisition

	1987	1988	1989	1990	1991	Total
C. mindorensis						
Wild	0	0	0	8	2	10
Private collection	18	1	10	17	25	71
Mortality	1	2	0	1	5	9
Cumulative Stock	17	16	26	50	132	132
Breeder (Cumulative)						
Male	1	3	6	13	25	25
Female	2	3	10	15	24	24
Total	3	6	16	28	49	49
C. porosus						
Wild	14	19	39	61	41	174
Private collection	53	1	34	10	7	105
Mortality	8	25	3	8	11	55
Cumulative Stock	59	54	124	187	224	224
Breeder (Cumulative)						
Male	2	3	11	27	31	31
Female	2	4	17	30	54	54
Total	4	7	28	57	85	85

資料 - 4. R / D

(1987年8月20日に署名・交換されたもの。)

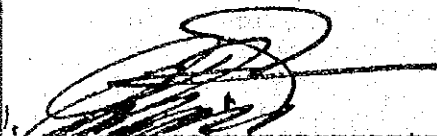
THE RECORD OF DISCUSSIONS
BETWEEN THE JAPANESE IMPLEMENTATION SURVEY TEAM
AND THE AUTHORITIES CONCERNED OF THE GOVERNMENT
OF THE REPUBLIC OF THE PHILIPPINES
ON THE JAPANESE TECHNICAL COOPERATION OF THE PROJECT
ON THE ESTABLISHMENT OF CROCODILE FARMING INSTITUTE
OF THE DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES

The Japanese Implementation Survey team (hereinafter referred to as "The Team") organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA") and headed by Mr. Keiji Iimura, Head of Technical Cooperation Division, Mining and Industry Development Cooperation Department, JICA, visited the Republic of the Philippines from 14th August 1987 to 21st August 1987 for the purpose of working out the details of the Technical Cooperation Programme concerning the project on the establishment of a Crocodile Farming Institute of the Department of Environment & Natural Resources.

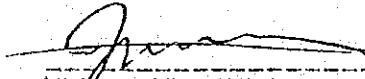
During its stay in the Republic of the Philippines, the Team exchanged views and had a series of discussions with the Philippine authorities concerned with respect to the desirable measures to be taken by both governments for the successful implementation of the above-mentioned project.

As a result of the discussions, the Team and the Philippine authorities concerned agreed to recommend to their respective governments the document attached hereto.

Done in Manila, Philippines on 20 August 1987.



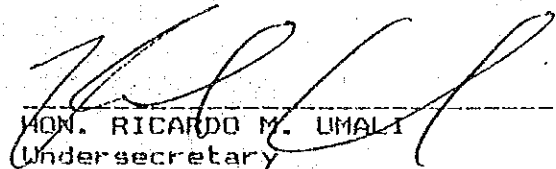
HON. MORIYA MIYAMOTO
Resident Representative
Japanese International Cooperation
Agency (JICA), Japan



HON. FULGENCIO S. FACTORAN, JR.
Secretary
Department of Environment
& Natural Resources
The Republic of the Philippines

飯村 圭司

MR. KEIJI IIMURA
Head
Japanese Implementation Survey Team
Japan International Cooperation
Agency (JICA) in the Philippines



HON. RICARDO M. UMALI
Undersecretary
Planning and Policy
Department of Environment
and Natural Resources
The Republic of the Philippines

THE ATTACHED DOCUMENT

I COOPERATION BETWEEN BOTH GOVERNMENTS

1. The Government of Japan and the Government of the Republic of the Philippines will cooperate with each other in implementing the project on the establishment of the Crocodile Farming Institute of the Department of Environment & Natural Resources (hereinafter referred to as the "The Project") for the purpose of providing research and practical training, extending technical advisory service to conduct research and development work in the field of crocodile farming thereby contributing to the conservation of wild crocodiles and the promotion of socio-economic well being of rural communities.
2. The project will be implemented in accordance with the Master Plan which is given in Annex I.

II MEASURES TO BE TAKEN BY THE GOVERNMENT OF JAPAN

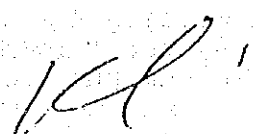
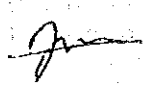
A. DISPATCH OF JAPANESE EXPERTS

1. In accordance with the laws and regulations in force in Japan, the Government of Japan will take necessary measures, through JICA, to provide at its own expense the services of the Japanese experts necessary for project implementation as listed in Annex II through the normal procedures under the Colombo Plan Technical Cooperation Scheme.
2. The Japanese experts referred to in II-A-1 above and their families, will be granted in the Republic of the Philippines the privileges, exemptions and benefits as listed in Annex III and will be granted privileges, exemptions and benefits no less favourable than those granted to experts of third countries.

B. PROVISION OF MACHINERY/EQUIPMENT AND OTHER MATERIALS

1. In accordance with laws and regulations in force in Japan, the Government of Japan will take necessary measures, through JICA, to provide at its own expense such machinery, equipment and other materials necessary for the implementation of the Project as described in Annex IV.

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2. The articles referred to in II-B1 above will become the property of the Government of the Republic of the Philippines upon delivery C.I.F. to the Philippine authorities concerned at the ports, and/or airports of disembarkation and will be utilized exclusively for the implementation of the Project in consultation with the Japanese experts referred to in Annex II. ✓

C. TRAINING OF PHILIPPINE PERSONNEL IN JAPAN

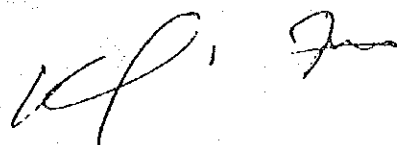
1. In accordance with the laws and regulations in force in Japan, the Government of Japan will take necessary measures, through JICA, to receive at its own expense Philippine personnel connected with the Project for technical training in Japan as listed in Annex V through the normal procedures under the Colombo Plan Technical Cooperation Scheme.
2. The Government of the Republic of the Philippines will take necessary measures to ensure that the knowledge and experience acquired by the Philippine personnel from the technical training will be utilized exclusively for the implementation of the Project. ✓

III MEASURES TO BE TAKEN BY THE GOVERNMENT OF THE REPUBLIC OF THE PHILIPPINES

- A. In accordance with laws and regulations in force in the Republic of the Philippines, the Government of the Republic of the Philippines will take necessary measures to provide at its own expense:

- (1) Services of the Philippine counterpart personnel and administrative personnel as listed in Annex VI; ✓
- (2) Land, buildings and facilities as listed in Annex VII;
- (3) Supply or replacement of machinery, equipment, instrument, vehicles, tools, spare parts and any other materials necessary for the implementation of the project other than those provided through JICA under II-B-1 above;
- (4) Transportation facilities and travel allowance for the Japanese experts for their official travel within the Republic of the Philippines; ✓
- (5) Suitably furnished accommodation for the Japanese experts and their families.

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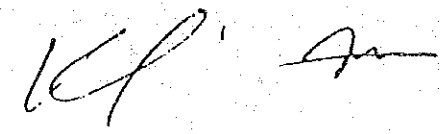
B. In accordance with laws and regulations in force in the Republic of the Philippines, the Government of the Republic of the Philippines will take necessary measures to:

- (1) Meet expenses necessary for the transportation of the Equipment within the Republic of the Philippines of the articles referred to in II-B-1 above as well as for the installation, operation and maintenance thereof;
- (2) Exempt from customs duties, internal taxes and any other charges, imposed in the Republic of the Philippines on the articles referred to in II-B-1 above;
- (3) Meet other running expenses necessary for the implementation of the Project.

IV ADMINISTRATION OF THE PROJECT

1. The RP-Japan Crocodile Farming Institute Project will be implemented by the Office of the Secretary, Department of Environment & Natural Resources. The Secretary of Environment & Natural Resources will bear overall responsibility for the implementation of the Project and the Director of the Crocodile Farming Institute (hereinafter referred to as "The CFI") will be responsible for the administrative and managerial matters of the implementation of the Project.
2. The Japanese Chief Advisor and other experts will give recommendations and advice to the Institute Director on technical matters concerning the implementation of the project.
3. For the effective and successful implementation of the Project, an Annual Work and Financial Plan shall be prepared by the Institute, together with the Project Management Service & the Japanese experts. A Joint Committee (hereinafter referred to as the "Committee") will be organized with members as listed in Annex VIII. The committee will approve the Annual plan and prepare necessary measures to solve questions on policy matters relating to the implementation of the Project.

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V CLAIMS AGAINST JAPANESE EXPERTS

The Government of the Republic of the Philippines undertakes to bear claims, if any arises, against the Japanese experts engaged in the Project resulting from, occurring in the course of, or otherwise connected with the Philippines except for those arising from the willful misconduct or gross negligence of the Japanese experts.

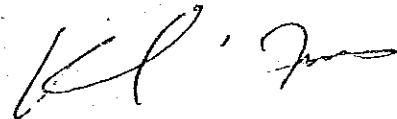
VI MUTUAL CONSULTATION

There will be mutual consultation between the two Governments on any major issues arising from, or in connection with this Document.

VII TERMS OF COOPERATION

The duration of the Technical Cooperation for the Project under this Attached Document will be five (5) years to take effect from the date of signing.

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ANNEX I.

MASTER PLAN

1. General Objective

The objective of the Project is to establish a Crocodile Farming Institute for the development and promotion of crocodile farming technology, thus contribute to the conservation of wild crocodiles and the socio-economic well-being of rural communities.

2. Objectives of Technical Cooperation

- a. To conduct research and development work in the field of crocodile farming;
- b. To train counterpart personnel concerned on crocodile farming technology; and
- c. To make a basic program of dissemination of crocodile farming and conservation.

3. Implementation of the Technical Cooperation

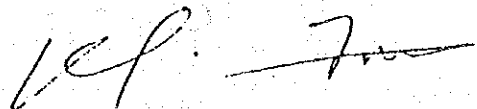
The Government of Japan will cooperate with the Government of the Republic of the Philippines in carrying out the Project through dispatch of Japanese experts, acceptance of Philippine personnel for training in Japan and provision of machinery/equipment and other necessary materials, according to the annual implementation schedule to be agreed upon.

4. Cooperative Activities Under the Project

A. Crocodile Research Concerns

- a. Population dynamics and ecology of wild crocodiles
 1. Baseline habitat & sanctuary studies
 2. Population estimates
 3. Relation between distribution of crocodiles and environmental characteristics of their habitats
 4. Life history
 5. Identification of species
 6. Feeding habits
 7. Behavior
 8. Population dynamics of crocodiles
 9. Sanctuary management studies

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b. Physiology and Pathology

1. Congenital Defects
2. Bacterial, Fungal, Viral Challenges
3. Environmental Effects
4. Preventive and Curative Treatments
5. Diagnostic Services
6. Anatomy
7. Genetics
8. Surgery & Medicine

c. Breeding technology

1. Maturation factors
2. Optimum conditions for mating and non-seasonal breeding
3. Optimum conditions for egg-laying, development of eggs and hatching
4. Control of sex ratio
5. Hormonal control growth

d. Rearing technology

1. Optimum environmental condition
2. Feeding efficiency and growth rates
3. Rearing management stocking rate
4. Breeding studies
5. Dissemination of farming technology

e. Nutritional Technology

1. Feed Analysis
2. Feed Formulation & Compound Feeds Development
3. Feed Selection
4. Digestion and absorption rate of feed

B. Crocodile Farming Concerns

a. Crocodile Farming

1. Sourcing
2. Breeding
3. Farming

b. Feed Production for Fish

c. Collection and maintenance of other forms of wildlife for conservation

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- C. Information and Training Concerns
 - a. Information Drive
 - 1. TV documentaries
 - 2. radio
 - 3. print
 - 4. schools (education)
 - 5. films
 - 6. publication
 - b. Training of Crocodile Farmers
 - 1. Seminars
 - 2. Workshops
 - 3. Training
- 5. Details for the implementation of the masterplan shall be approved by the joint committee.

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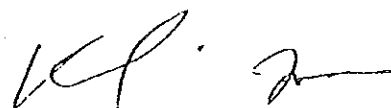
ANNEX III

PRIVILEGES, EXEMPTIONS AND BENEFITS

The Philippine Government shall provide the following privileges, exemptions and benefits, provided however, that such should be under the existing laws, rules and regulations of the Government of the Philippines.

1. Exemptions from income taxes and charges of any kind imposed on, or in connection with, the living allowances remitted from abroad.
2. Exemptions from import and export duties and any other charge in respect to personal and household effects, including one motor vehicle, one air-conditioner, one refrigerator and one deep-freezer per family, which may be brought into the Republic of the Philippines from abroad.
3. Provision of medical services and facilities to the Japanese experts and their families.
4. Issuance of identification cards to the Japanese experts and their families, to secure the cooperation of the authorities concerned of the Republic of the Philippines in performing the duties of the Japanese experts.

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ANNEX IV

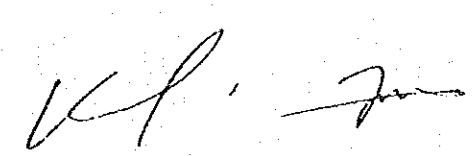
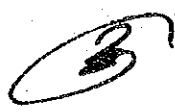
MACHINERY/EQUIPMENT AND OTHER MATERIALS

The machinery/equipment and other materials necessary for implementation of the Project will be provided as follows:

1. Machinery/Equipment and Other Materials mutually agreed upon as necessary.
2. Spare parts of Machinery and Equipment.

Note: The decision on the specification and selection of the above-mentioned will be made in due course through mutual consultation.

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ANNEX V

TECHNICAL TRAINING FOR PHILIPPINE PERSONNEL IN JAPAN

Technical Training on the following fields will be made available to the Philippine personnel concerned with the Crocodile Project:

1. Crocodile Breeding.
2. Crocodile Rearing in Captivity
3. Crocodile Biochemistry
4. Crocodile Pathology and Biology
5. Crocodile Farm Management and Administration
6. Others

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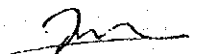
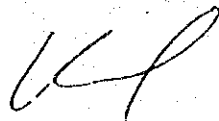
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ANNEX VI

LIST OF PHILIPPINE STAFF

1. Institute Director
2. Assistant Institute Director
3. Technical Personnel
 - (1) Heads of Divisions
 - (2) Other necessary personnel
4. Administration and Finance
 - (1) Heads of Divisions
 - (2) Other necessary personnel

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ANNEX VII

LAND, BUILDING AND FACILITIES

1. Land

Adequate Land area will be provided by the Republic of the Philippines.

2. The Republic of the Philippines will make available the following buildings and facilities to the CFI provided by the Government of Japan to the Philippines through the grant-aid agreement:

- a. Research Laboratories
- b. Administration Rooms
- c. Office rooms for Japanese experts
- d. Feeding rooms
- e. Pens
- f. Others


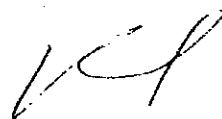
3. Other facilities

- a. Office facilities
- b. Shade trees in open areas

4. Institute Address

RF-Japan Crocodile Farming Institute Project
Barangay Irawan, Puerto Princesa City
Palawan, Philippines

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ANNEX VIII

MEMBERS OF THE JOINT COMMITTEE

1. Chairman: Secretary of Environment & Natural Resources
2. Vice-Chairman: Undersecretary for Planning & Policy
3. Members:
 - a. Japanese side
 - i. Chief Advisor
 - ii. Coordinator
 - iii. Other Japanese Experts
 - iv. JICA Philippine Office Representative
 - v. If necessary, the personnel concerned to be dispatched by JICA
 - b. Philippine side
 - i. Assistant Secretary for Foreign-Assisted and Special Projects
 - ii. Director of Protected Areas & Wildlife Bureau
 - iii. Director of Ecosystems Research & Development Bureau
 - iv. Director of CFI
 - v. Assistant Director of CFI
 - vi. Project Management Service Representatives
 - vii. Other personnel concerned

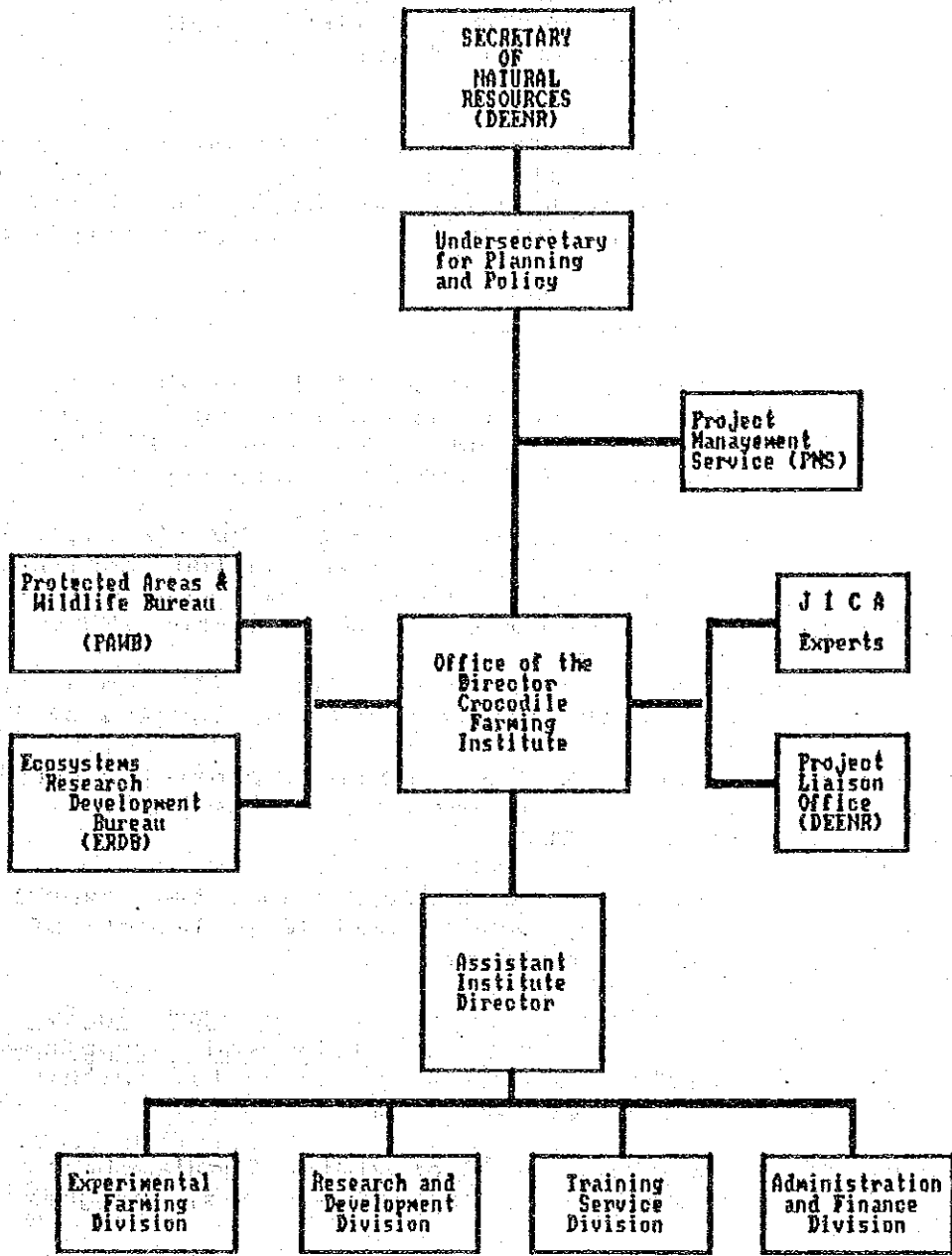
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ORGANIZATION OF IMPLEMENTATION OF THE PROJECT



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MINUTES OF THE MEETINGS
HELD BETWEEN JAPANESE IMPLEMENTATION
SURVEY TEAM AND DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES

Technical Cooperation based on the Record of Discussions signed on 20 August 1987 for the Crocodile Farming Institute (CFI) will start its activities. Both Japanese and Philippine sides will take necessary measures on the following for its commencement:

Responsibilities of the Japanese are:

1. To take necessary measures to dispatch three (3) long term experts in the fields of breeding and rearing in captivity and a Coordinator until the end of September 1987 when A-1 forms are in the hands of JICA by the end of September, 1987.
2. To take necessary measures to dispatch ^{2/14} three (3) short term experts (experts on maintenance, sanitation and public information) until the end of October 1987 when A-1 forms are in the hands of JICA by the end of September 1987.
3. To take necessary measures to receive three (3) counterpart when A2-3 forms are in the hands of JICA by the end of 1987.
4. To take necessary measures to provide equipment, supplies and other materials when A4 forms are in the hands of JICA by the end of September 1987.
5. To take necessary measures to dispatch short term experts to undertake socio-economic studies on the impact of the project to the rural communities.
6. To provide other forms of assistance such as forty (40) crocodile breeders, crocodile feeds and supplements, publication materials, office supplies, etc. within the budget framework of the Japanese side.
7. To consider the possibility of providing local short term experts for implementation of Institute plans, programs and activities.
8. To take necessary measures to deliver all machinery/equipment and other materials C.I.F. to the port of Puerto Princesa City.
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9. To provide Tentative Schedule of implementation and Annual Work Plan as soon as possible.
10. To consider the possibility of training Philippine counterparts in areas other than Japan.

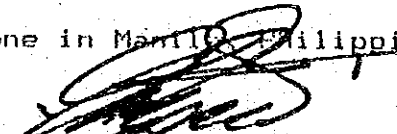
Responsibilities of the Philippines are:

1. To provide staff and budget necessary for the operation and management of the Institute.
2. To provide on best effort basis additional crocodiles (Mindorensis, Porosus) necessary for farming and breeding.
3. To provide on best effort basis for additional budget necessary for purchasing feed.
4. To plant trees in the premises of the Institute, especially around pens.
5. To take measures necessary for specifying suitable crocodile conservation areas.
6. To conduct public relations activities for the smooth operation of the Institute leading to understanding and cooperation of the local communities.
7. To attend to the needs of the Japanese experts in securing transportation facilities, travel allowances and suitably furnished accommodations in the Philippines.
8. To source funds from other groups such as non-government organizations, local or foreign, for purposes of augmenting the funds committed by the Philippine government for the CFI operations.

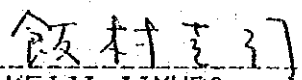
The request for equipment as submitted and attached hereto by the Philippines will be considered for approval and delivery by the Japanese within its current budget system.

Upon the effectivity of the Record of Discussions, the Japanese side and Philippine side will work out a mutually agreeable work and financial plan for the project.

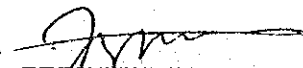
Done in Manila, Philippines on 20 August 1987.



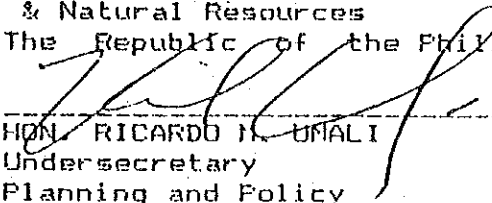
HON. MORIYA MIYAMOTO
Resident Representative
Japanese International Cooperation
Agency (JICA); Japan



MR. KEIJI IIMURA
Head
Japanese Implementation Survey Team
Japan International Cooperation
Agency (JICA) in the Philippines



HON. FULGENCIO S. FACTORAN, JR.
Secretary
Department of Environment
& Natural Resources
The Republic of the Philippines



HON. RICARDO M. UNALI
Undersecretary
Planning and Policy
Department of Environment
and Natural Resources
The Republic of the Philippines

PHILIPPINE REQUEST FOR BOOKS & OTHER REFERENCE MATERIALS

A. JOURNALS - SUBSCRIPTIONS

Australian Journal of Wildlife Management.

International Wildlife.

IUCN/Crocodile Specialist Group Newsletter Peter Brazaitis and
Myrna Watanabe c/o New York Zoological Park, Bronx Zoo, The
Bronx, New York 10460 USA.

Journal of Herpetology.

Journal of Physiology.

Journal of Reproductive Physiology.

Journal of Wildlife Diseases.

Journal of Wildlife Management.

National Geographic.

Asiaweek

Popular Science

Newsweek

Time

World Executive Digest

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A

B. BOOKS

- Archibald, James. Canine Surgery.
- Balinsky, B. Introduction to Embryology.
- Behler, J. 1980. Breeding Crocodylians: The Current State of the Art. Department of Herpetology, New York Zoological Park, Occasional Papers.
- Bellairs, A. The Life of Reptiles N. Universe Books 2 vol. 590 p. 1970.
- Bentley, P.J. (1971). "Endocrines and Osmoregulation: A Comparative Account of the Regulation of Water and Salt in Vertebrates." (Springer-Verlag, Berlin.)
- Bergey's. Manual of Determinative Bacteriology.
- Blake, D.K., Crocodile Farming in Rhodesia. Unpublished Departmental Report - 1970.
- Blood, Douglas. Veterinary Medicine.
- Bojrab, J. Current Techniques in Small Animal Surgery.
- Bolton, M and M. Laufa 1982 The Crocodile Project in Papua New Guinea.
- Bolton, M. 1981 Crocodile Husbandry in Papua New Guinea Field Document 4. FO: DP/PNG/74/029. FAO of the UN, Rome, Italy. 103 pp.
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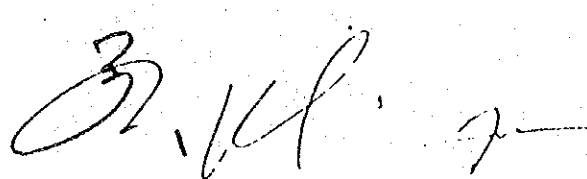
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PHILIPPINE REQUEST FOR EQUIPMENT

A. For the Project Office/Institute at Palawan

1. 1 micro computer with printer and regulator
2. 5 EST typewriters, electric, 15 in. carriage, ball type with erasing device
3. 2 manual typewriters 15 in. carriage
4. 12 steel filing cabinets, 5 drawers, top drawer w/safe
5. additional radio and communication facilities for vehicles - 2 units 150-170 mhz
6. bicycles for use of project staff (10)
7. motorcycles, on and off road type (4), 125 cc
8. 6 aircon units, package type, with 5 tons capacity each
9. mimeographing machine
10. radio and communication facilities linking FAPMO (DEENR) to Palawan, 2 units - 1 FAPMO, 1 CFI, 10-10.5 mhz, ship to shore
11. 6 pocket calculators for staff use, 10 digits, battery operated
12. trailers = 2-3 pcs. for camping
13. 3 adding machine, electric, AC-DC, 12 digits capacity with paper tape
14. Mitsubishi coaster
15. sea helicopter
16. radio repeater, >60 watts, + 6 handhelds
17. pick-up
18. hammer mill > 1 ton capacity
19. vertical mixer
20. washing machine, tumble dry
21. vacuum cleaner
22. public address system
23. chainsaw 4-5 guidebar length
24. glasswares, silverwares, chinawares for 24 persons

B. For the Field Staff's use in site researches

1. camping stove (4) and pressure lamps (4)
2. tent (4)
3. sleeping bags (12)
4. head lamps with helmet (12)
5. backpacks with frame (12)
6. box compass (12)
7. binoculars (8)
8. laboratory crude fiber apparatus, 6 units
9. laboratory mill
10. recording anemometer (4)
11. hygrothermograph (1)
12. flat boats (2)
13. scuba diving equipment w/compressor & accessories (4)
14. underwater camera and accessories (2)

C. ADDITIONAL REQUESTS

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EQUIPMENT	DESCRIPTION/COMMENTS	QTY.
COMMERCIALY AVAILABLE		
1. Night Vision Scope	2 - 5x magnification	2 pcs.
2. Tongs	aluminum or stainless steel (2m)	12 pcs.
3. Egg Cases	with humidity and temperature control for transport	12 pcs.
4. Endoscope	with flexible tube and illumination	2 pcs.
5. Rope lock	brass or stainless steel with quick release	200 pcs.
6. Tagging equipments	stainless steel, (5-6 digit numbers)	200 pcs.
Model : XL		200 pcs.
: L		3,000 pcs.
: S		2 pcs.
7. ECG Machine	preferably adapted to crocodile or large animals	2 pcs.
8. Stetoscope		2 pcs.
9. Thermometer	per body temperature determination	6 pcs.
10. Fumigators	control of pest in pens and buildings	2 pcs.
11. Long rubber pants		12 pcs.
12. Camera accesories	for field observations and photography at natural and pen habitat	
a. SMC Pentax-A 35mm H2		2 pcs.
b. SMC Pentax-A 600mm H5.6 ED (IF)		2 pcs.
c. SMC Pentax-A Zoom 70mm-210mm f/4		2 pcs.
d. bellows		2 pcs.
e. camera bag	waterproof	2 pcs.
f. Tripod	square legs	2 pcs.
g. Photographer's jacket	cotton, gray, water repellant, size medium and large	4 pcs.
h. Cable release		2 pcs.
i. Teleconverter	2x	2 sets
13. Cuttery	for cutting fish and meat	6 pcs.
14. Cattle prod	electric, modified with 1.5m and 2m handle	3 pcs.
15. Personal Computer w/ printer	IBM	1 set

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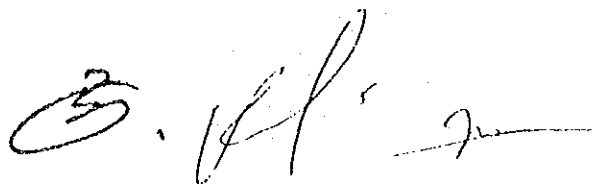
B. Vilis

TO BE FABRICATED

1.	Trap Net	(1.5M X 1M 6M)	100 pcs.
2.	Snare with pole handle	with automatic lock, 2m pole	24 pcs.
3.	Harpoon	brass or stainless steel, for capture of crocodiles	100 pcs.
4.	Crates - Adult = 3m Juvenile = 2m	metal, used for transport and restraint of individual or number of crocodiles, can be attached to each other	12 pcs. 12 pcs.
5.	Squeeze chute	for restraint, manipulation and examination of adult crocodiles	2 pcs.
6.	Y Sticks	aluminum, 2-3m handle	12 pcs.
7.	Otoscope		2 pcs.
8.	Search light	with independent power supply	2 pcs.
9.	Carts	4m long	

OTHERS

1. Vitamins/Supplement/feeds for crocodiles
2. Medicines
3. Tranquilizers
4. Breeder crocodiles 200 (400 males, 1,600 females)
5. Altimeter

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