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1. ミニッツ

MINUTES OF DISCUSSIONS  
ON  
THE SOIL RESEARCH AND DEVELOPMENT CENTER PROJECT PHASE II  
IN  
THE REPUBLIC OF THE PHILIPPINES

The Preliminary Survey Team (hereinafter referred to as "the Team"), headed by Dr. YOSHIKAZU OHNO, Research Coordinator General, National Agriculture Research Center, Ministry of Agriculture, Forestry and Fisheries, has been dispatched by the Japan International Cooperation Agency in order to confirm the objectives, contents and the priority of the proposed technical cooperation program for the Soil Research and Development Center Project Phase II (hereinafter referred to as "the Project").

During its stay in the Republic of the Philippines from 16th of August 1994 to 25th of August 1994, the Team had a series of discussion with the authorities concerned of the Government of the Republic of the Philippines and conducted field survey.

As the result of the discussions and field survey, both sides have agreed to recommend their respective Governments to take further steps for implementations of technical cooperation for the Project based on tentative framework as attached document herewith.

August 24th, 1994



DR. YOSHIKAZU OHNO  
Team Leader  
The Preliminary Survey Team  
Japan International Cooperation Agency



MR. GODOFREDO N. ALCASID, JR.  
Director  
Bureau of Soils and Water Management  
Department of Agriculture

## 1. Dispatch of Preliminary Survey Team

### 1.1 Objectives

The Preliminary Survey Team ("the Team") is dispatched by Japan International Cooperation Agency (JICA) for the purpose of confirming the contents of the proposal submitted by the Government of the Republic of the Philippines to the Government of Japan concerning the Soil Research and Development Center Project Phase II ("the Project"), studying the possibility of its implementation from the view of technical aspect, and examining its justification according to the Project-Type Technical Cooperation Scheme of JICA. If the possibility of the project implementation is confirmed, the basic plan of the technical cooperation for the Project will be formulated.

### 1.2 Contents of Survey

The Survey was conducted on the basis of the proposal presented from the Government of the Republic of the Philippines to the Government of Japan.

### 1.3 Team Member

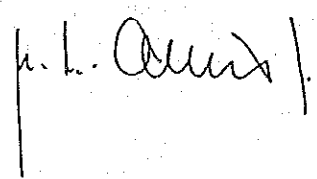
Dr. Yoshikazu OHNO (Team Leader)  
Research Coordinator General, National Agriculture Research Center,  
Ministry of Agriculture, Forestry and Fisheries (MAFF)

Dr. Hiroo OTSUKA (Soil and Fertilizer)  
Head, Division of Soil Science, Department of Natural Resources,  
National Institute of Agro-Environmental Sciences, MAFF

Dr. Hidenori IWAMA (Soil Erosion)  
Head of Soil Conservation Laboratory, Division of Soil Science, Department  
of Natural Resources, National Institute of Agro-Environmental Sciences,  
MAFF

Mr. Akira MIYAKE (Research Cooperation)  
Deputy Director, International Research Division,  
Agriculture, Forestry and Fisheries Research Council Secretariat, MAFF

Mr. Eiro YONEZAKI (Coordinator)  
Staff, Agricultural Technical Cooperation Division, Agricultural  
Development Cooperation Department, Japan International Cooperation  
Agency  
(JICA)



#### 1.4 Schedule

The schedule of the Team's activities from August 16 to 25, 1994 (10 days) is as follows:

- Aug. 16 (Tue.) : Arrive at Manila  
Meeting at JICA Philippine Office
- Aug. 17 (Wed.) : Courtesy call to Embassy of Japan, Bureau of Soils and Water Management (BSWM) and Soil Research and Development Center (SRDC)  
Meeting with Japanese Experts of SRDC
- Aug. 18 (Thu.) : Formal negotiations for SRDC
- Aug. 19 (Fri.) : -ditto-
- Aug. 20 (Sat.) : Field trip to National Center for Soil and Water Resources Research Station (San Ildefonso, Bulacan and Pinatubo Area)
- Aug. 21 (Sun.) : Field trip to National Center for Soils and Water Resources Research Station (Tanay, Rizal)
- Aug. 22 (Mon.) : In-House Meeting  
Drafting of Minutes of Discussion
- Aug. 23 (Tue.) : Joint JICA-BSWM Preparation of the Minutes of Discussion
- Aug. 24 (Wed.) : Exchange of Signature for the Minutes of Discussion  
Report to DA and JICA
- Aug. 25 (Thu.) : Leave for JAPAN

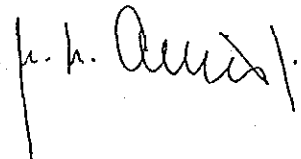
#### 2. Framework of Technical Cooperation (Tentative)

##### 2.1 Goal of the Project

The goal and purpose of the Project are conceptualized as below.

##### 1) Overall Goal

The agricultural productivity in problem soil area is improved.



2) Project Purpose

Technology of problem soils management is improved.

2.2 Output of the Project

- 1) The capability of Philippine researchers on improvement of problem soil management is enhanced.
- 2) Several technologies of problem soil improvement are recommended.
- 3) Several technologies of soil conservation are recommended.
- 4) Method of soil productivity capability classification is recommended.

2.3 Project Activities

- 1) Soil and Fertilizer
  - (1) Analysis of crop productivity constraints in problem soils including Ultisols and their improvement.
  - (2) Preparation of technical guideline on integrated soil improvement technology for problem soils including Ultisols
- 2) Soil Conservation
  - (1) Improvement of soil erosion control technology for problem soils including Ultisols
  - (2) Preparation of technical guideline on soil conservation for problem soils including Ultisols.
- 3) Soil Productivity Capability Classification Standard
  - (1) Development of method for basic land classification
  - (2) Development of method for soil productivity capability classification
  - (3) Preparation of technical guideline on soil management in classified units

2.4 Project Site

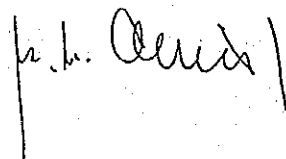
- 1) SRDC and BSWM
- 2) Research Centers in Bulacan and Tanay
- 3) Regional Satellite Stations

2.5 Input from Japanese Side

- 1) Expert

Five long-term experts will be dispatched as follows:

- (1) Team Leader
- (2) Coordinator
- (3) Soil and Fertilizer
- (4) Soil Conservation



(5) Soil Productivity Capability Classification

Short-term experts will be dispatched when the necessity arises.

2) Equipment and Machinery

Taking into account the efficient use of equipment introduced through grant aid program and the Soil Research and Development Center Project, the following will be provided for project activities:

- (1) Equipment necessary for experiments
  - (2) Others necessary for technical cooperation activities
- 3) Acceptance of Philippine Personnel for training in Japan.  
Personnel relating to the Project will be trained in Japan each year.

2.6 Input from the Philippine Side

1) Counterpart Personnel

- (1) Executive Director of SRDC (Director of BSWM)
- (2) Project Manager of SRDC (Assistant Director of BSWM)  
The Executive Director of SRDC is the counterpart for the Team Leader and the Project Manager is the counterpart for the Coordinator.
- (3) At least two(2) full time counterpart personnels from SRDC and/or BSWM will be assigned for each Japanese expert.  
The heads of related divisions of BSWM are assigned as counterparts.
- (4) Necessary number of administrative and technical staff to support the activities of the Project will be assigned. Especially, secretaries will be assigned properly for the Team Leader and the Coordinator.

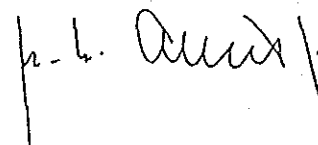

Philippine side makes efforts to give regular status to contractual personnel of SRDC.

2) Cost Bearing

- (1) Land, buildings and facilities necessary for the implementation of the Project.
- (2) Running expenses necessary for the implementation of the Project.

2.7 The Joint Coordinating Committee

The Joint Coordinating Committee will be held at least once a year and whenever necessity arises, and the function and the composition are as follows:



1) Function

- (1) To review and approve the Annual Work Plan proposed by the Project in accordance with the TSI formulated under the framework of the R/D.
- (2) To review the overall progress of the Project as well as the achievement of the Annual Work Plan.
- (3) To review and exchange views on major issues arising from or in connection with the Project.

2) Composition

(1) Chairman

Secretary, DA

(2) Philippine side

Undersecretary for Regional Operation, Research, Training and Extension, DA  
Assistant Secretary for Regional Operations, DA  
Executive Director, SRDC (Director, BSWM, DA)  
Project Manager, SRDC (Assistant Director, BSWM, DA)  
Director of Agriculture staff, NEDA  
Director, Public Investment Staff, NEDA  
Representative of the University of the Philippines  
Representative of the National Irrigation Administration  
Representative of Philippine Council for Agricultural Resources Research and Development (PCARRD)  
Other personnel appointed by the Chairman

(3) Japanese side

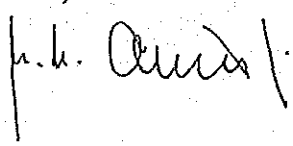
Japanese Experts  
Representative from the JICA Philippine Office  
Personnel concerned to be dispatched by JICA Headquarters, if necessary

Note: Representative from the Embassy of Japan may attend the Joint Coordinating Committee as an observer.

3. Preconditions

The following preconditions shall be met before starting the Project;

- (1) The organization, personnel and function of SRDC are clearly defined.
- (2) Necessary numbers of counterpart personnel with qualification and permanent status and support staff are assigned for the Project.
- (3) Necessary budget for the Project is secured.
- (4) Cooperation from the other organizations concerned to the Project is secured.



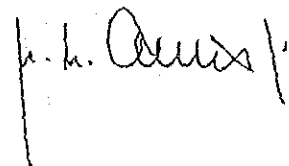


- (5) Security problem in the experimental farms and related places is ensured.
- (6) Individual rooms for Team Leader and Coordinator and expert office spaces are guaranteed.
- (7) Meeting room for experts is guaranteed.
- (8) Improvement of the access road to Tanay Research Center should be requested to the authority concerned.

It should be very much appreciated if BSWM could answer to it and inform the result to JICA Headquarters through JICA Philippine Office until September 16, 1994.

4. Attachments

- 1) List of personnel concerned
- 2) Organizational structure



Attachment I

List of Personnel Concerned

The Philippine Side

Department of Agriculture

Dr. Manuel M. Lantin (Undersecretary)

Bureau of Soils and Water Management/  
Soil Research and Development Center

Mr. Godofredo N. Alcasid Jr. (Director)  
Dr. Rogelio N. Concepcion (Asst. Director)  
Mr. Wilfredo E. Cabezon (Chief, ISRIS)  
Mr. Alejandrino Baloloy (Chief, Soil Conservation and Management)  
Dr. Lauro Hernandez (Chief, Research and Survey)  
Dr. Perfecto Evangelista (Chief, Soil and Water Research)  
Mr. Nestor Ticzon (Supervising Agriculturist)  
Mrs. Constanca Mangao (Supervising Agriculturist)  
Ms. Elsie A. Balagtas (Budget Officer III)  
Mr. Tranquilino C. Atienza Jr. (OIC, TIDS)

Tanay Research Center

Dr. Reynaldo Palis (Chief, Research Center)

Bulacan Research Center

Mr. Crisostomo Alcalde (Chief, Research Center)

The Japanese Side

Embassy of Japan

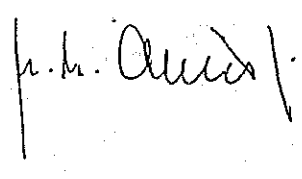
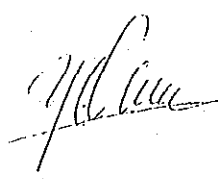
Mr. Katsuhiko Yamauchi (First Secretary)

JICA Philippine Office

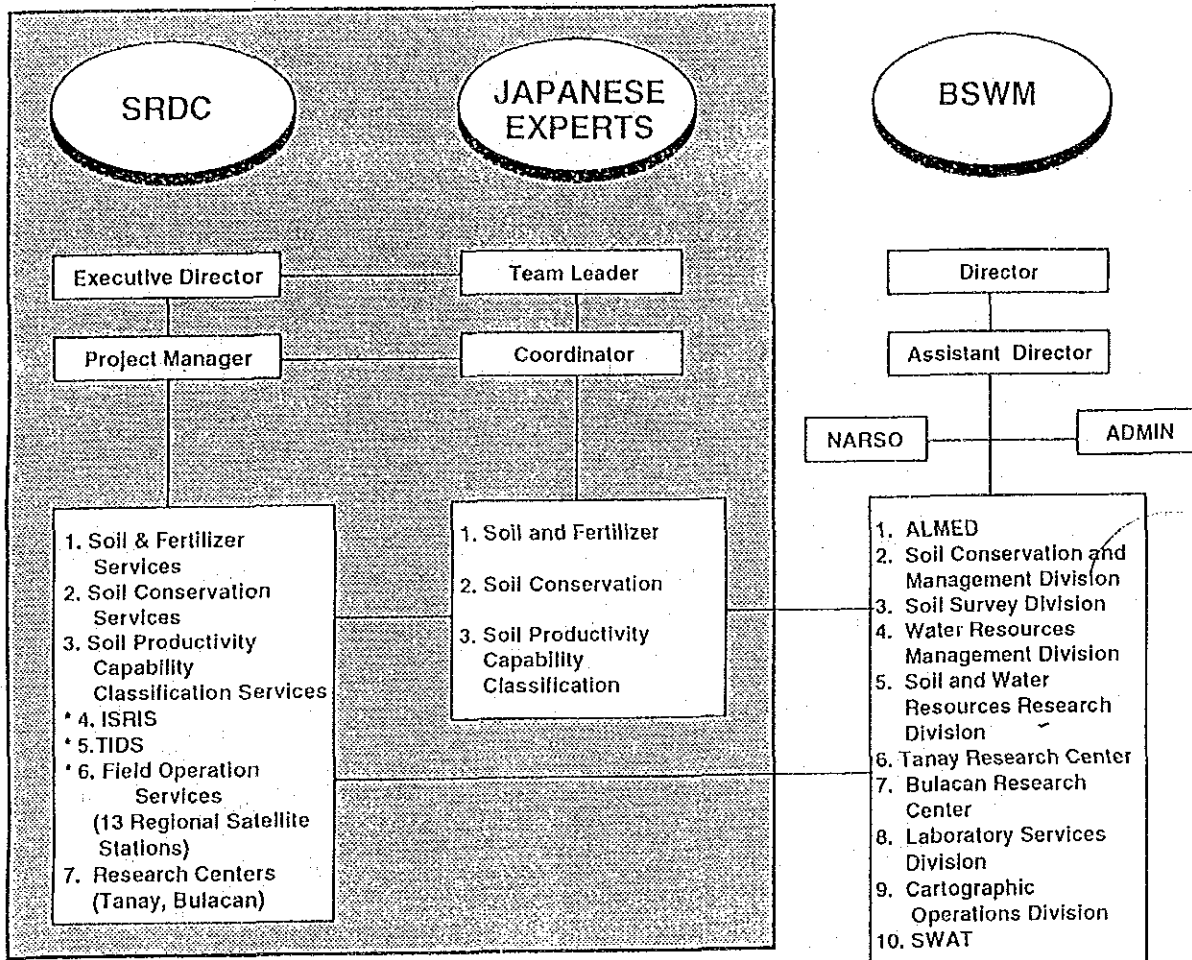
Mr. Akihiko Hashimoto (Resident Representative)  
Mr. Katsumi Yoshida

Experts of BSWM

Dr. Tamaki Yasuda (Land Evaluation)  
Dr. Yoshimi Ueno (Soil Conservation)  
Dr. Masanori Mitsuchi (Soil Survey)



## ORGANIZATIONAL CHART OF SRDC PHASE II AND BSWM



Note \* The Sections of ISRIS, TIDS and Field Operation Services are managed by Philippine Side

1. At least two (2) full time counterpart personnels from SRDC and/or BSWM will be assigned for each Japanese expert.
2. The heads of related divisions of BSWM are assigned as counterparts.

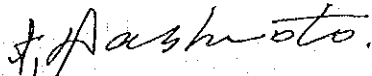
2. 討議議事録 (平成6年12月21日署名)

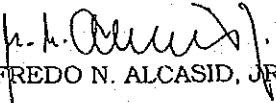
THE RECORD OF DISCUSSIONS BETWEEN THE  
JAPAN INTERNATIONAL COOPERATION AGENCY and the  
AUTHORITIES CONCERNED OF THE GOVERNMENT OF  
THE REPUBLIC OF THE PHILIPPINES  
ON THE JAPANESE TECHNICAL COOPERATION  
FOR THE SOILS RESEARCH AND DEVELOPMENT CENTER PROJECT  
PHASE II

The Japan International Cooperation Agency (hereinafter referred to as "JICA"), with regard to the Minutes of Discussions on the Soil Research and Development Center Project Phase II (hereinafter referred to as "the Project") dated August 24, 1994, had a series of discussions through the Resident Representative of JICA in the Philippines with the authorities concerned of the Government of the Republic of the Philippines in view of the desirable measures to be taken by both Governments for the Japanese Technical Cooperation Program concerning the Project.

As a result of the discussions, JICA and the authorities concerned of the Government of the Republic of the Philippines agreed to recommend to their respective Governments the matters referred to in the document attached hereto.

Manila, December 21, 1994

  
Mr. AKIHIKO HASHIMOTO  
Resident Representative  
In the Republic of the Philippines,  
Japan International Cooperation  
Agency

  
Mr. GODOFREDO N. ALCASID, JR.  
Director,  
Bureau of Soils and Water  
Management,  
Department of Agriculture,  
The Republic of the Philippines

## THE ATTACHED DOCUMENT

### I. COOPERATION BETWEEN BOTH GOVERNMENTS

1. The Government of the Republic of the Philippines will implement the Soils Research and Development Center Project Phase II in cooperation with the Government of Japan.
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

In accordance with the laws and regulations in force in Japan, the Government of Japan will take, at its own expense, the following measures through JICA according to the normal procedures under the Colombo Plan Technical Cooperation Scheme.

#### 1. DISPATCH OF JAPANESE EXPERTS

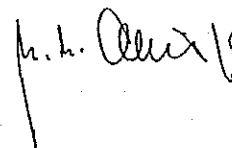
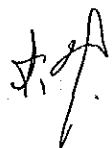
The Government of Japan will provide the services of the Japanese experts as listed in Annex II.

#### 2. PROVISION OF MACHINERY AND EQUIPMENT

The Government of Japan will provide such machinery, equipment and other materials (hereinafter referred to as "the Equipment") necessary for the implementation of the Project as listed in Annex III. The Equipment will become the property of the Government of the Republic of the Philippines upon being delivered C.I.F. to the authorities concerned of the Republic of the Philippines at the ports and/or airports of disembarkation.

#### 3. TRAINING OF PHILIPPINE PERSONNEL IN JAPAN

The Government of Japan will receive the Philippine personnel connected with the Project for technical training in Japan.



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

1. The Government of the Republic of the Philippines will take necessary measures to ensure that the self-reliant operation of the Project will be sustained during and after the period of Japanese Technical Cooperation, through the full and active involvement in the Project by all related authorities, beneficiary groups and institutions.
2. The Government of the Republic of the Philippines will ensure that the technologies and knowledge acquired by the Philippine nationals as a result of the Japanese technical cooperation will contribute to the economic and social development of the Republic of the Philippines.
3. The Government of the Republic of the Philippines will grant in the Republic of the Philippines privileges, exemptions and benefits to the Japanese experts referred to in II.1. above and their families no less favorable than those accorded to experts of third countries working in the Republic of the Philippines under the Colombo Plan Technical Cooperation Scheme.
4. The Government of the Republic of the Philippines will ensure that the Equipment referred to in II.2. above will be utilized effectively for the implementation of the Project in consultation with the Japanese experts referred to in Annex II.
5. 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 in Japan will be utilized effectively in the implementation of the Project.
6. In accordance with the 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 IV;
  - (2) Land, buildings and facilities as listed in Annex V;
  - (3) Supply or replacement of machinery, equipment, instruments, vehicles, tools, spare parts and any other materials necessary for the implementation of the Project other than the Equipment provided through JICA under II.2. above;
  - (4) Means of transport and travel allowances for the Japanese experts for official travel within the Republic of the Philippines;
  - (5) Suitably furnished accommodation for the Japanese experts and their families.
7. In accordance with the laws and regulations in force in the Republic of the Philippines, the Government of the Republic of the Philippines will take necessary measures to meet:
  - (1) Expenses necessary for the transportation within the Republic of the Philippines of the Equipment referred to in II.2. above as well as for the installation, operation and maintenance thereof;

- (2) Custom duties, internal taxes and any other charges, imposed in the Republic of the Philippines on the Equipment referred to in II.2. above;
- (3) Running expenses necessary for the implementation of the Project.

#### IV. ADMINISTRATION OF THE PROJECT

1. The Secretary, Department of Agriculture (hereinafter referred to as "DA"), as the Project Director, will bear overall responsibility for the administration and implementation of the Project.
2. The Director of the Bureau of Soils and Water Management, as the Head of the Project, will be responsible for the managerial and technical matters of the Project with the support of the Assistant Director, as the Project Manager, on the technical matters of the Project.
3. The Japanese Team Leader will provide necessary recommendations and advice to the Head of the Project and the Project Manager on any matters pertaining to the implementation of the Project.
4. The Japanese experts will give necessary technical guidance and advice to the Philippine counterpart personnel on technical matters pertaining to the implementation of the Project.
5. For the effective and successful implementation of technical cooperation for the Project, a Joint Coordinating Committee will be established whose functions and composition are described in Annex VI.

#### V. JOINT EVALUATION

Evaluation of the Project will be conducted jointly by the two Governments through JICA and the Philippine authorities concerned, during the last six months of the cooperation term in order to examine the level of achievement.

#### VI. 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 technical cooperation for the Project resulting from, occurring in the course of, otherwise connected with the discharge of their official functions in the Republic of the Philippines except for those arising from the willful misconduct or gross negligence of the Japanese experts.

#### VII. MUTUAL CONSULTATION

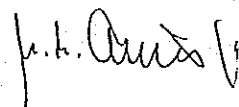
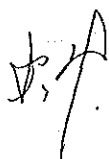
There will be mutual consultation between the two Governments on any major issues arising from, or in connection with this Attached Document.

VIII. MEASURES TO PROMOTE UNDERSTANDING AND SUPPORT TO THE PROJECT

For the purpose of promoting the support of the people of the Republic of the Philippines to the Project, the Government of the Republic of the Philippines will take appropriate measures to make the Project widely known to the people of the Republic of the Philippines.

IX. TERM OF COOPERATION

The duration of technical cooperation for the Project under this Attached Document will be five (5) years from February 1, 1995.





## ANNEX I. MASTER PLAN

### 1. OBJECTIVES OF THE PROJECT

- (1) Overall Goal  
The agricultural productivity in problem soil area is improved.
- (2) Project Purpose  
Technology of problem soil management is improved.

### 2. OUTPUTS AND ACTIVITIES OF THE PROJECT

The expected outputs of the Project are as follows:

- (1) The capability of Philippine researchers on improvement of problem soil management is enhanced.
- (2) Several technologies of problem soil improvement are recommended.
- (3) Several technologies of soil conservation are recommended.
- (4) Classification method for the capability of soil productivity is recommended.

The activities of the Project are as follows:

#### (1) Soil and Fertilizer

- a) Analysis of constraints for crop productivity in problem soils including Ultisols and their improvement.
- b) Development of methods for integrated soil improvement technology for problem soils including Ultisols.

#### (2) Soil Conservation

- a) Improvement of technology for soil erosion control for problem soils including Ultisols.
- b) Development of methods for soil conservation for problem soils including Ultisols.

#### (3) Soil Productivity Capability Classification Standard

- a) Development of method for basic land classification
- b) Development of method for soil productivity capability classification
- c) Development of methods for on soil management in classified units

### 3. JAPANESE TECHNICAL COOPERATION

The Government of Japan will assist the Government of the Republic of the Philippines in carrying out the activities for obtaining the outputs, which are described in paragraph 2 above.

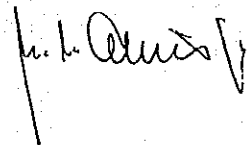
### 4. PROJECT SITE

- (1) Soils Research and Development Center (SRDC) and Bureau of Soils and Water Management (BSWM)
- (2) Research Centers in Bulacan and Tanay
- (3) Regional Satellite Stations

ANNEX II. JAPANESE EXPERTS

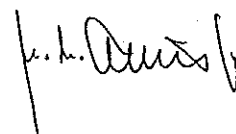

1. Team Leader
2. Coordinator
3. Experts in the field of :
  - (1) Soil and Fertilizer
  - (2) Soil Conservation
  - (3) Soil Productivity Capability Classification Standard

Note: Short-Term experts will be dispatched when necessity arises for the smooth implementation of the Project.



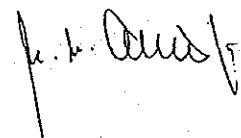
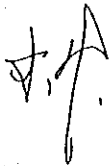
### ANNEX III. MACHINERY AND EQUIPMENT

1. Equipment necessary for research in the field of Soil and Fertilizer
2. Equipment necessary for research in the field of Soil Conservation
3. Equipment necessary for research in the field of Soil Productivity Capability Classification Standard
4. Other machinery and equipment necessary for the implementation of the Project



ANNEX IV. PHILIPPINE COUNTERPART AND ADMINISTRATIVE  
PERSONNEL

1. Head of the Project
2. Project Manager
3. Counterpart Personnel in the field of :
  - (1) Soil and Fertilizer
  - (2) Soil Conservation
  - (3) Soil Productivity Capability Classification Standard
4. Administrative Personnel
  - (1) Administrative
  - (2) Finance
5. Counterpart Personnel for each field of Short-Term Experts
6. Other necessary supporting staff



## ANNEX V. LAND, BUILDINGS AND FACILITIES

1. Buildings, facilities and office space for Japanese experts in SRDC and BSWM.
2. Working space for Japanese experts in research centers and regional satellite stations.
3. Electricity and communication facilities.
4. Other land and facilities necessary for the implementation of the Project.

st. ↑

for the - [Signature]

## ANNEX VI. JOINT COORDINATING COMMITTEE

### 1. FUNCTIONS

The Joint Coordinating Committee composed of those members as listed in 2 below will meet at least once a year and whenever necessity arises, and function :

- (1) To give direction and guidance to the activities carried out by the Project and to coordinate inter-related activities within BSWM, DA and other related agencies;
- (2) To review and approve the Annual Work Plan of the Project to be formulated under the framework of the Record of Discussions;
- (3) To review the overall progress of the technical cooperation program as well as the achievements of the Annual Work Plan;
- (4) To review and exchange views on major issues arising from or in connection with the technical cooperation program.

### 2. COMPOSITION

(1) Chairperson - Secretary, DA

(2) Philippine Side

- a) Undersecretary for Regional Operations, Research, Training and Extension, DA
- b) Executive Director, SRDC (Director, BSWM, DA)
- c) Project Manager, SRDC (Assistant Director, BSWM, DA)
- d) Director of Agriculture Staff, NEDA
- e) Director, Public Investment Staff, NEDA
- f) Representative of the University of the Philippines
- g) Representative of the Department of Environment and Natural Resources (DENR)
- h) Representative of the Department of Agrarian Reform (DAR)
- i) Representative of the National Irrigation Administration (NIA)
- j) Representative of Philippine Council for Agricultural Resources Research and Development (PCARRD)
- k) Other officials mutually agreed upon as necessary

(3) Japanese Side

- a) Japanese Experts
- b) Representative from JICA Philippine Office
- c) Personnel concerned to be dispatched by JICA, if necessary

Note: Official(s) of the Embassy of Japan may attend the Joint Coordinating Committee as observer(s).

*JICA*  
*JICA*


3. 暫定実施計画（平成6年12月21日署名）

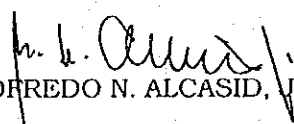
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PHASE II

The Japan International Cooperation Agency (hereinafter referred to as "JICA"), with regard to the Minutes of Discussions on the Soil Research and Development Center Project Phase II (hereinafter referred to as "the Project") dated August 24, 1994, had a series of discussions through the Resident Representative of JICA in the Philippines with the authorities concerned of the Government of the Republic of the Philippines in view of the desirable measures to be taken by both Governments for the Japanese Technical Cooperation Program concerning the Project.

As a result of the discussions, JICA and the authorities concerned of the Government of the Republic of the Philippines agreed to recommend to their respective Governments the matters referred to in the document attached hereto.

Manila, December 21, 1994

  
Mr. AKIHIKO HASHIMOTO  
Resident Representative  
In the Republic of the Philippines,  
Japan International Cooperation  
Agency

  
Mr. GODOFREDO N. ALCASID, JR.  
Director,  
Bureau of Soils and Water  
Management,  
Department of Agriculture,  
The Republic of the Philippines

TENTATIVE SCHEDULE OF IMPLEMENTATION

I. Activities of the Project

Item	Year					Remarks
	1	2	3	4	5	
1. Soil and Fertilizer						
(1) Analysis of constraints for crop productivity in problem soils including Ultisols and their improvement						
(2) Development of methods for integrated soil improvement technology for problem soils including Ultisols						
2. Soil Conservation						
(1) Improvement of technology for soil erosion control for problem soils including Ultisols						
(2) Development of methods for soil conservation for problem soils including Ultisols						
3. Soil Productivity Capability Classification Standard						
(1) Development of method for basic land classification						
(2) Development of method for soil productivity capability classification						
(3) Development of methods for soil management in classified units						

*[Handwritten initials]*

*[Handwritten signature]*



II. Technical Cooperation Program (Japanese Side)

Item	Year					Remarks
	1	2	3	4	5	
1. Dispatch of Long-Term Experts						When necessity arises
(1) Team Leader						
(2) Coordinator						
(3) Soil and Fertilizer						
(4) Soil Conservation						
(5) Soil Productivity Capability Classification Standard						
2. Dispatch of Short-Term Expert(s)	-	-	-	-	-	
3. Provision of Equipment and Machinery						
(1) Equipment necessary for research in the field of Soil and Fertilizer						
(2) Equipment necessary for research in the field of Soil Conservation						
(3) Equipment necessary for research in the field of Soil Productivity Capability Classification Standard						
(4) Other machinery and equipment necessary for the implementation of the Project						
4. Training of Philippine personnel in Japan	-	-	-	-	-	A few persons a year
5. Dispatch of Survey Team	-	-	-	-	-	

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III. Technical Cooperation Program (Philippine Side)

Item	Year					Remarks
	1	2	3	4	5	
1. Assignment of Counterpart and Administrative Personnel						At least two (2) counterpart personnel for (3) (a), (b) and (c)
(1) Head of the Project						
(2) Project Manager						
(3) Counterpart Personnel in the field of:						
a) Soil and Fertilizer						
b) Soil Conservation						
c) Soil Productivity Capability Classification Standard						
(4) Administrative Personnel						
a) Administration						
b) Accounting						
(5) Counterpart Personnel for each field of Short-Term Expert(s)	-	-	-	-	-	
(6) Other necessary supporting staff						
2. Allocation of Running Expenses for the implementation of the Project						
3. Provision of Land, Buildings and other necessary facilities						

4. 詳細暫定実施計画（ドラフト）

暫定実施計画1

研究項目	1年	2年	3年	4年	5年	備考
(1) 土壌肥料						
1) アルティソル等不良土壌の制限因子の解明とその改良						
① 主要畑作物の施肥感応解明						主要作物の3要素、塩基、微量要素感応を確認する。
② イネ科および豆科飼料作物混播作付体系による土壌有機物蓄積による土壌改良						アルティソルは土壌有機物含量が乏しいので、土壌有機物の蓄積を図る必要がある。イネ科および豆科飼料作物を栽培することにより、作物の根および作物体による土壌有機物の蓄積を図り、地力の増強を行う。
③ 有機物投入による土壌理化学性の改良						家畜糞尿等の有機物を利用して土壌の理化学性の改良を行う。
④ 各種土壌改良資材による土壌物理性の改良						サンゴ石灰岩、砂、火山灰等現地で手に入りやすい改良資材を投入して土壌物理性の改善を図る。
2) アルティソル等の不良土壌の総合的改良技術に係わるマミュアルの作成						
① 作物の選択						アルティソル等に適した作物を選定導入する。
② 作物の標準施肥基準設定						適作物の標準施肥基準を栽培試験により設定する。
③ 利用可能な有機物施与基準の策定						現地で利用可能な有機物の施用試験を行い、施用基準を策定する。
④ 総合的土壌改良指針の策定						1) および2) を総合的に解析・評価し、最適な土壌改良指針を策定する。

T S I Tentative Schedule of Implementation (Itemized) of Technical Cooperation on SDRC Project phase II

研究項目	1年	2年	3年	4年	5年	備考
(2) 土壌保全 1) アルティソルを含む不良土壌の侵食防止技術の改善						<p>土壌の受食性を自然・人工降雨試験により評価するとともに、室内測定土壌データとの関連を明らかにする。また、フィリピンにおける降雨の特性を明らかにする。</p> <p>傾斜不良土壌地帯における土壌理化学性の特徴とその分布を地形および侵食発生形態との関連で明らかにし、不良土壌地帯の土地利用および保全対策の基本指針を得る。</p> <p>侵食に起因する土壌の生産力低下を物理性・化学性劣化との関連で解明・評価する。</p> <p>各種熱帯の栽培・野生植物（木本類を含む）の持つ土壌保全および肥沃性改善機能を評価し、それらの活用指針を明らかにする。</p> <p>作物残渣マルチ、間作、列状栽培、アグロフォレストリー、下層破砕、不耕起法による侵食防止効果を明らかにする。また、侵食崩壊地の拡大防止・植生回復対策も検討する。</p>
① 土壌受食性および降雨侵食性の評価						
② 傾斜地における土壌理化学性の特徴の分布と侵食形態の解明						
③ 侵食による土壌の生産力低下要因解明と評価						
④ 熱帯有用植物の土壌保全機能の解明と評価						
⑤ 土壌侵食防止対策および農法の改善						
2) アルティソルを含む不良土壌の侵食防止技術指針の作成						<p>1) 項の結果に基づき、具体的な侵食防止技術マニュアルを作成する。</p> <p>農地整備開発地域等における具体的な土壌保全計画（図）を作成するために、降雨特性受食性、地形、土地利用等を要素とする土壌侵食予測法を開発する。</p>
① 土壌保全技術マニュアルの作成						
② 土壌侵食予測手法の開発						

研究項目	1年	2年	3年	4年	5年	備考
(3) 土地生産力可能性分級						
1) 立地類型基本区分の手法開発						
①地形区分地帯の設定およびデータ整理						地形図および航空写真により作成。 年代地質図から岩質の読み取りを行う。 土壌分類から読み取る、または資料を収集する。 5万分の1の土壌図を基にさらに精密な土壌図をモデル地区で作成する。  土壌、地形、母材、気候区分を重ね合わせて作成する。フィリピン側で行う。
②母材区分地帯の設定およびデータ整理						
③気候区分地帯の設定およびデータ整理						
④精密土壌区分地帯の設定及びデータ整理						
*⑤土壌立地類型基本区分図の作成						
2) 土地生産力可能性分級手法の開発						
①土地生産力可能性分級基準項目の設定						フィリピンの作物栽培について土壌制限因子、土壌改良対策等に最適な分級基準項目の設定（傾斜、侵食、過湿、過乾、物理性、自然肥沃度等）。FAO、USDA、日本の分級基準項目を参考にする。 FAO、USDA、日本の等級基準を参考にフィリピンの作物栽培に最適な等級および等級値を設定する。 ①、②にしたがって①⑤の立地類型基本区分の分級等級を決定する。
②等級の設定						
③土壌分級基準に基づき等級決定						土地生産力可能性分級図の図化を行う。フィリピン側で行う。
*④土壌分級図作成						
3) 土壌管理指針策定						
①主要作物の現地実証連絡試験の実施						モデル（農家）圃場を選定し、栽培試験を行う。  栽培試験に基づき土壌管理指針を策定する。
②土壌肥沃度分級単位ごとの土壌管理指針の策定						

T S I Tentative Schedule of Implementation (Itemized) I

Field/Item	Year	1	2	3	4	5	Remarks
(1) Soil and Fertilizer							
1) Analysis of crop productivity constraints in problem soils Ultisols including Ultisols and their improvement							
① Response of crops to fertilizers							To recognize response of main crops to N,P,K, micro nutrients and bases
② Soil improvement on soil organic matter accumulation by legume-grass mixture							To increase fertility with accumulation of soil organic matter cropping gramino us and leguminous plants in Ultisols which is poor in organic matter
③ Improvement of soil physical and chemical properties with application of organic matter							To improve soil physico-chemical properties using organic matter like animal manure
④ Improvement of physical property with different inorganic soil amendments							To improve soil physical properties with soil conditioners as coaral, sands, volcanic ejecta and so on which can be easily obtained near at hand
2) Preparation of technical guideline on soil integrated soil improvement technology for problem soils including Ultisols							
① Selection of adaptable crops							To select adaptable crops to problem soils including Ultisols
② Standardization of method of fertilizer application for crops							To set up standard application rate of fertilizer for problem soils including Ultisols
③ Setting up of standard application of available organic matter for crops							To set up standard application rate of organic matter for main crops in problem soils including Ultisols
④ Setting up of guideline for integrated soil amendment							To prepare guideline for optimum soil improvement by analyzing and evaluating the whole situation of 1) and 2)

TSI Tentative Schedule of Implementation (Itemized) of Technical Cooperation on SUDC project, phase II

Field/Items	Year					Remarks
	1	2	3	4	5	
(2) SOIL EROSION 1) Improvement of soil erosion control technology on problem soils including Ultisols						Soil erodibility is assessed under natural and artificial rainfall experiments and is related to routinely measured soil properties. The rainfall characteristics in the Philippines is also studied.
① Assessment of soil erodibility and rainfall erosivity						Soil physical/chemical properties and their distribution on sloping lands are studied and related to the erosion occurrence and the topographical features.
② Assessment of soil properties and erosion occurrence on sloping lands						Productivity decline of soil caused by soil erosion is assessed in relation to the chemical and physical degradation of soil.
③ Assessment of soil productivity decline associated with soil erosion						The ability of various tropical plants including trees and wild plants is evaluated for the improvement of soil erosion control and low fertility.
④ Assessment of ability of various tropical plants on soil erosion control and fertility						Effective practices and farming systems are examined to improve soil erosion control and rehabilitation of eroded lands. Those include residue mulch, alley or inter cropping, hedgerow, subsoiling and no tillage, etc.
⑤ Improvement of erosion control farming practices						Technical manual for soil conservation practices are prepared on the basis of the results obtained by the studies in 1).
2) Preparation of technical guide line on soil conservation for problem soils including Ultisols						Soil loss prediction method is developed for conservation planning (map) on a pilot area considering rainfall erosivity, soil erodibility, slope gradient, land use and etc.
① Preparation of technical manual for soil conservation practices						
② Development of method for soil loss prediction on sloping upland field						

T S I Tentative Schedule of Implementation (Itemized) 3

Field/Item	Year	1	2	3	4	5	Remarks
(3) Soil productivity capability classification Standard 1) Development of method for basic land classification ①Setting up of topographic zoning and data arrangement ②Setting up of parent material zoning and data arrangement ③Setting up of climate zoning and data arrangement ④Setting up of detailed soil zoning and data arrangement *⑤Preparation of basic land classification map 2) Setting up of soil productivity capability classification ①Setting up of criteria for soil productivity capability classification ②Setting of soil productivity capability class ③Identification of soil productivity class in basic land classification * ④Preparation of soil productivity capability classification map 3) Preparation of technical guideline on soil management in classified units ①Field experiments for fertilizer response to main crops ②Preparation of guideline for soil management on units of soil fertility class							To prepare using topography map of 1 to 50,000 and airphotos  To read lithology from time geologic map  To read from soil classification and other materials  To have more detailed soil survey and classification  To prepare basic land classification with overlaying soil, topography, geology, and climate data. Implemented by BSWM itself  To set up of criteria for soil productivity capability classification including soil constraints and countermeasures of soil improvement with reference to FAO, USDA, and Japan system. For example slope, erodibility, drought, and others. To set up criteria for soil productivity capability class for main crops like class I, II, III, and IV with overlaying and analyzing criteria items above ①. To decide soil productivity capability class of zoning area in 1) ⑤ in accordance with 2) ① and ②. Implemented by BSWM itself  To perform field crop experiments in model farmer's field to ascertain productivity of capability classification and to have better management Setting up of guideline for soil management with basis on field crop experiments



5. 前提条件回答

**PRE-CONDITIONS**  
*for*  
**SOILSEARCH**  
**PHASE II**

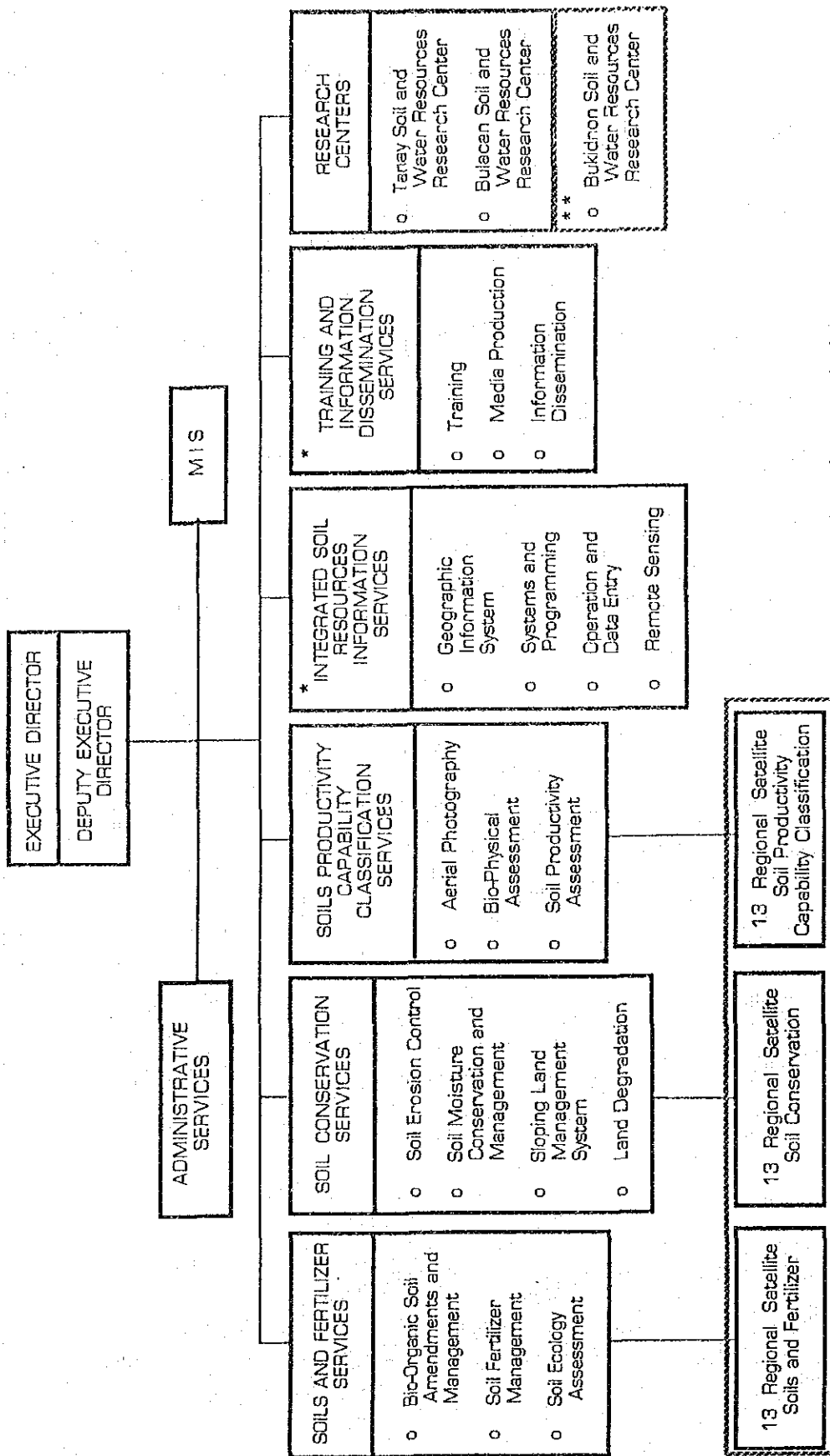
## TABLE OF CONTENTS

- Organizational Structure
- Counterpart Personnel
- Budgetary Requirement
- Institutional Linkage/Cooperation
- Room Assignments for  
JICA Team Leader and Experts
- Letter of request re: Road Improvement

# ORGANIZATIONAL STRUCTURE

# ORGANIZATIONAL STRUCTURE

## SRDC PHASE II



\* for regularization  
 \*\* funded thru GOP

# COUNTERPART PERSONNEL

**SRDC Phase II  
COUNTERPART PERSONNEL (Tentative)**

Field	SRDC (Contractual)	Salary Grade	POSITION	Division
Executive Director	Mr. Godofredo N. Alcasid, Jr.			
Deputy Executive Director	Dr. Rogello N. Concepcion			
1. Soils and Fertilizer	Lauro Hernandez *	24	Dev't. Mgt. Officer V	RESEARCH
	Concepcion Manzo	18	Land Management Officer III	ALMED
	Purisima Pajaro	19	Sr. Science Res. Specialist III	RESEARCH
	Teresita Anastacio	18	Chemist III	LAB
	Josefina Jonas	16	Science Res. Assitant	LAB
	Gloria Urriza	15	Agriculturist II	ALMED
	Tranquillino Atienza, Jr. *	22	Media Production Specialist IV	TIDS
	Maria Angelita Gaddi	15	Info. Officer II	TIDS
	Ferdinand B. Barbero*	22	Info. Tech. Officer II	ISRIS
	Glenn Manila	18	Computer Programmer III	ISRIS
	Daref Canet	18	Computer Programmer III	ISRIS
	2. Soil Conservation	Candido Cabrido *	24	Development Mgt. Officer V
Richmond Gonzales *		22	Info. Tech. Officer II	ISRIS
Eleanor Liganor *		24	Development Mgt. Officer V	SP. PROJECT
Robert Dilig		11	Agriculturist I	ALMED
Lolit Poliquit		11	Agriculturist I	ALMED
Myra Jovellana		11	Agriculturist I	ALMED
Cornelio Artienda *		22	Training Specialist IV	TIDS
Aurora Figueroa		18	Media Production Specialist II	TIDS
Elsa J. Bautista *		22	Info. Tech. Officer II	ISRIS
Eric Bodeta		18	Computer Programmer III	ISRIS
3. Soil Productivity Capability Classification	Wilfredo Cabazon *	24	Development Mgt. Officer V	ISRIS
	Rodelio Carating	18	Senior Agriculturist	SURVEY
	Arlene Evangelista*	22	Supg. Agriculturist	REMOTE
	Cary Asana	19	Info. Systems Analyst III	ISRIS
	Jovita Austria	15	Agriculturist I	ALMED
	Zarah Yap	15	Agriculturist I	ALMED
	Maribel Gaon	15	Agriculturist I	ALMED
	Ma. Anna Escalante	15	Land Management Officer II	ALMED
	Cecilia Capuno	15	Economist II	ALMED
	Georgina Siena	15	Info. Officer II	TIDS
	Illuminada Pojas	11	Training Specialist I	TIDS
	Jonathan Azucena	18	Computer Programmer III	ISRIS
	4. Tanay Research Station	Roosevelt Creencia	9	Science Research Assistant
Marilou Baratang		9	Science Research Analyst	RESEARCH
Vener Dilig		11	Agriculturist I	ALMED
5. Bulacan Research Station	Leandro Evangelista	16	Science Research Assistant	MRFD
	Rodel delos Santos	11	Science Research Analyst	BULACAN

Field	BSWM (Permanent)	Salary Grade	POSITION	Division
1. Soils and Fertilizer	Perfecto Evangelista *	24	Chief Agriculturist	RESEARCH
	Nora B. Inciong *	24	Chief Agriculturist	LAB
	Imelda Santos	22	Supg. Agriculturist	RESEARCH
	Marcelina Palis	22	Supg. Agriculturist	RESEARCH
	Constancia Mangao	22	Supg. Agriculturist	LAB
	Redemcion Grifal	22	Supg. Agriculturist	RESEARCH
	Gavino Urriza	15	Agriculturist II	RESEARCH
	Wilfredo Sanidad	15	Agriculturist II	RESEARCH
	Elsie Balagtas	18	Budget Officer III	ADMIN
2. Soil Conservation	Alejandrino Baloloy *	24	Chief Agriculturist	SOIL CON.
	Florencio Mananghaya	22	Supg. Agriculturist	SOIL CON.
	Rodolfo Lucas *	24	Chief Agriculturist	WATER
	Modesto Borja *	22	Supg. Agriculturist	NARSO
	Nestor Ticzon	22	Supg. Agriculturist	ALMED
	Cesar Magadia	22	Supg. Agriculturist	WATER
	Arnulfo Gesite	22	Supg. Agriculturist	SOIL CON.
	Victorcito Babiera	22	Supg. Agriculturist	RESEARCH
	George Lilio	18	Senior Agriculturist	NARSO
3. Soil Productivity Capability Classification	Alejandro Micoso *	24	Chief Agriculturist	SURVEY
	Andres Baes *	24	Chief Agriculturist	ALMED
	Jose Rondal	22	Supg. Agriculturist	ALMED
	Reynaldo Bajar *	24	Engineer V	CARTO
	Clarita Bacatio	22	Supg. Agriculturist	SURVEY
	Edna Samar	18	Senior Agriculturist	ALMED
	Carlos Serrano	18	Senior Agriculturist	RESEARCH
	Crescencio Solano	22	Supg. Carto Engr.	CARTO
4. Tanay Research Station	Reynaldo Palis *	24	Chief Agriculturist	TANAY
	Edgardo Reyes	18	Senior Agriculturist	TANAY
	Joseph Rojas	15	Agriculturist II	TANAY
	Teodoro Erni	9	Clerk II	TANAY
5. Bulacan Research Station	Crisostomo Alcalde *	24	Chief Agriculturist	BULACAN
	Leonardo de Leon	22	Senior Agriculturist	BULACAN
	Venerando Naboa	15	Agriculturist II	BULACAN
	Wilfredo Peralta	11	Agriculturist I	BULACAN

\* Chief of Service or Division

# BUDGETARY REQUIREMENT



Budget (revenue and expenditure by item)  
(Phase II)  
FY 1994 - 1999  
In thousand Pesos

	1994	1995	1996	1997	1998	1999	TOTAL
<b>1. Salaries</b>							
1.1 Permanent Positions		14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	70,000.00
1.2 Other Personal Services	29,328.00	29,166.00	29,166.00	29,166.00	29,166.00	29,166.00	175,158.00
Sectional Total:	29,328.00	43,166.00	43,166.00	43,166.00	43,166.00	43,166.00	245,158.00
<b>2. Operations</b>							
2.1 Electricity	3,420.00	3,400.00	3,400.00	3,400.00	3,400.00	3,400.00	20,420.00
2.2 Water	1,200.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	6,200.00
2.3 Telephone and Postage	900.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	5,900.00
2.4 Gas & Fuel (Lab Gas)	80.00	134.00	134.00	134.00	134.00	134.00	750.00
2.5 Travelling Expenses	6,000.00	10,800.00	12,000.00	14,000.00	15,000.00	15,000.00	72,800.00
2.6 Transportation Services	800.00	500.00	500.00	500.00	500.00	500.00	3,300.00
2.7 Insurance Premiums		4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	22,500.00
2.8 Other Services	5,456.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	35,456.00
2.9 Training and Seminar Expenses		5,000.00	7,000.00	9,000.00	10,000.00	10,000.00	41,000.00
Sectional Total:	17,856.00	32,334.00	35,534.00	39,534.00	41,534.00	41,534.00	208,326.00
<b>3. Supplies</b>							
3.1 Consumables	21,349.00	43,000.00	43,000.00	53,000.00	78,000.00	78,000.00	326,349.00
3.2 Gasoline & Oil (including Servicing of Vehicles)	4,000.00	10,000.00	10,000.00	13,000.00	15,000.00	15,000.00	67,000.00
Sectional Total:	25,349.00	53,000.00	53,000.00	76,000.00	93,000.00	93,000.00	393,349.00
<b>4. Capital Outlay</b>							
4.1 Land and Land Improvement Outlay							
4.2 Equipment Outlay	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	60,000.00
4.3 Building and Structures Outlay		10,000.00	2,000.00	2,000.00	2,000.00	2,000.00	16,000.00
Sectional Total:	10,000.00	20,000.00	12,000.00	12,000.00	12,000.00	12,000.00	78,000.00
<b>GRAND TOTAL</b>	<b>82,533.00</b>	<b>148,500.00</b>	<b>143,700.00</b>	<b>170,700.00</b>	<b>189,700.00</b>	<b>189,700.00</b>	<b>924,833.00</b>

INSTITUTIONAL  
LINKAGE/  
COOPERATION

UNIVERSITY OF THE PHILIPPINES  
Quezon City

Excerpt from the Minutes of the 1074th Meeting of the Board of Regents held on 1 February 1994.

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AGENDA B-2: Matters for CONFIRMATION by the Board  
Memoranda of Agreements, Contracts, and  
Other Documents

VIII. MATTERS SUBMITTED FOR CONFIRMATION

The following matters were submitted for CONFIRMATION by the Board, its action being indicated at the end of each item:

A. Memoranda of Agreements concerning academic matters

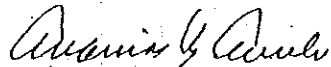
U.P. Diliman

1. Memorandum of Agreement among over thirty research and development institutions to form a regular and continuing association of scientific, technological, academic and administrative institution located in or near the Diliman area of Quezon City to address the S & T needs of the country in general, and of Quezon City.

Effectivity/Termination: The Agreement shall be binding among the parties for a period of seven (7) years and shall be renewed for the same period unless amended or terminated by mutual agreement of the parties concerned.

Board action: Confirmation.

CERTIFIED CORRECT: . .

  
ANANIAS B. AURELIO  
Officer-in-Charge *mm*

Office of the Secretary of the University  
and of the Board of Regents

24 March 1994

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cc: The Vice-President for Academic Affairs \_\_\_\_\_  
The Chancellor, U.P. Diliman \_\_\_\_\_  
The Vice-Chancellor for Academic Affairs, UP Dil. \_\_\_\_\_  
The Director, OIL, U.P. Diliman \_\_\_\_\_

- m o r e -

Excerpt from the Minutes of the 1074th Meeting of the Board of Regents held on 1 February 1994.

1. Memorandum of Agreement among over thirty research and development institutions to form a regular and continuing association of scientific, technological, academic and administrative institution located in or near the Diliman area of Quezon City to address the S & T needs of the country in general, and of Quezon City.

cc: (cont'd.)

- The Secretary, Department of Agriculture \_\_\_\_\_
- The Director, Agricultural Research Bureau \_\_\_\_\_
- The Director, Bureau of Animal Industry \_\_\_\_\_
- The Administrator, Phil. Coconut Authority \_\_\_\_\_
- The Director, Agricultural Training Institute \_\_\_\_\_
- The Secretary, Dept. of Environment and Natural Resources \_\_\_\_\_
- The Director, Mines and Geosciences Bureau \_\_\_\_\_
- The Director, Forest Management Bureau \_\_\_\_\_
- The Director, Bureau of Soils and Water Management \_\_\_\_\_
- The Director, Environmental Management Bureau \_\_\_\_\_
- The Director, Protected Areas and Wildlife Bureau \_\_\_\_\_
- The President, National Power Corporation \_\_\_\_\_
- The Division Manager, PNOC Energy Research and Development Center \_\_\_\_\_
- The Administrator, National Irrigation Administration \_\_\_\_\_
- The President, Ateneo De Manila Chemistry \_\_\_\_\_
- The President, Mirriam College Foundation \_\_\_\_\_
- The Director, Southeast Asian Ministers of Educ. Organization Regional Center for Educational Innovation and Technology (SEAMEO-INNOTECH) \_\_\_\_\_
- The General Manager, National Housing Authority \_\_\_\_\_
- The Mayor, Local Government of Quezon City \_\_\_\_\_
- The Officer-in-Charge, Phil. Information Agency \_\_\_\_\_

UNIVERSITY OF THE PHILIPPINES  
Quezon City

Excerpt from the Minutes of the 1074th Meeting of the Board of Regents held on 1 February 1994.

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- 3 -

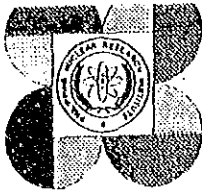
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cc: (cont'd.)

The Director, National Computer Center	_____	_____
The President, Phil. Assoc. for the Advancement of Science	_____	_____
The Executive Director, Lung Center of the Philippines	_____	_____
The Executive Director, National Kidney Institute	_____	_____
The Executive Director, Philippine Heart Center	_____	_____
The Executive Director, Philippine Children's Medical Center	_____	_____
The Executive Director, Association of Phil. Medical Colleges Foundation, Inc.	_____	_____
The Director, Philippine Science High School	_____	_____
The Director, Phil. Institute of Volcanology and Seismology	_____	_____
The Director, Phil. Atmospheric Geophysical and Astronomical Services Administration	_____	_____
The Director, Advanced Science and Technology Institute	_____	_____
The Director, Philippine Nuclear Research Institute	_____	_____
The Secretary, Department of Science and Technology (Through the Chancellor, U.P. Diliman)	_____	_____

/BO



# PHILIPPINE NUCLEAR RESEARCH INSTITUTE

Department of Science and Technology

Address: Commonwealth Avenue, Diliman, Quezon City  
P. O. Box: 932 Manila or 213 U.P., Quezon City  
Telephone: 97-60-11 to 15 Telex: 66004 PNRI PN Cable: PHILNUCLEAR

## MEMORANDUM OF AGREEMENT

KNOW ALL MEN BY THESE PRESENT:

This agreement entered into and executed this 22nd day of July 1993 at the Philippine Nuclear Research Institute, Commonwealth Avenue, Quezon City, among the following research and development institutions:

1. The DEPARTMENT OF AGRICULTURE with principal address at Elliptical Road, Q.C. represented by its Secretary ROBERTO F. SEBASTIAN;
2. The AGRICULTURAL RESEARCH BUREAU with principal address at BAEX Bldg. Elliptical Road corner Visayas Avenue, Q.C. represented by its Director DR. WILLIAM D. DAR;
3. The BUREAU OF ANIMAL INDUSTRY with principal address at Visayas Avenue, Q.C. represented by its Director MR. ROMEO N. ALCASID;
4. The PHILIPPINE COCONUT AUTHORITY with principal address at Elliptical Road, Q.C. represented by its Administrator MR. VIRGILIO M. DAVID;
5. The AGRICULTURAL TRAINING INSTITUTE with principal address at Elliptical Road, Quezon City represented by its Director DR. SEGUNDO C. SERRANO;
6. The DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES with principal address at Visayas Avenue, Quezon City, represented by its Secretary MR. ANGEL O. ALCALA;
7. The MINES AND GEOSCIENCES BUREAU with principal address at North Avenue, Diliman, Q.C. represented by its Director MR. JOEL D. MUYCO;
8. The FOREST MANAGEMENT BUREAU with principal address at Visayas Avenue, Quezon City, represented by its Director LOPE D. REYES;
9. The BUREAU OF SOILS AND WATER MANAGEMENT with principal address at Elliptical Road, Q.C. represented by its Director DR. GODOFREDO N. ALCASID;
10. The ENVIRONMENTAL MANAGEMENT BUREAU with principal address at 6th Floor, Philippine Heart Center Bldg., East Avenue, Diliman, Q.C. represented by its Director MR. RODRIGO U. FUENTES;
11. The PROTECTED AREAS AND WILDLIFE BUREAU with principal address at Quezon Avenue, Quezon City represented by its Director MS. CORAZON SINHA;
12. The NATIONAL POWER CORPORATION with principal address at Quezon Avenue, Quezon City represented by its President DR. FRANCISCO L. VIRAY;
13. The PNOC ENERGY RESEARCH AND DEVELOPMENT CENTER with principal address at Commonwealth Avenue, Diliman, Q.C. represented by its Division Manager DR. MARIO C. BERBANO;

14. The NATIONAL IRRIGATION ADMINISTRATION with principal address at NIA Bldg., EDSA, Quezon City, represented by its Administrator MR. APOLONIO V. BAUTISTA;

15. The UNIVERSITY OF THE PHILIPPINES SYSTEM with principal address at Diliman, Quezon City, represented by its President DR. JOSE V. ABUEVA;

16. The ATENEO DE MANILA UNIVERSITY with principal address at Loyola Heights, Katipunan Road, Quezon City represented by its President FR. BIENVENIDO F. NEBRES, S.J.;

17. The MIRRIAM COLLEGE FOUNDATION with principal address at Katipunan Road, Quezon City represented by its President DR. LORETO N. CASTRO;

18. The SOUTHEAST ASIAN MINISTERS OF EDUCATION ORGANIZATION REGIONAL CENTER FOR EDUCATIONAL INNOVATION AND TECHNOLOGY (SEAMEO-INNOTECH) with principal address at Commonwealth Avenue, Diliman, Quezon City represented by its Director DR. MINDA C. SUTARIA;

19. The NATIONAL HOUSING AUTHORITY with principal address at Elliptical Road, Quezon City, represented by its General Manager MR. ROBERT P. BALAO;

20. The LOCAL GOVERNMENT OF QUEZON CITY with principal address at Elliptical Road, Quezon City, represented by the Mayor MR. ISMAEL B. MATIAY, JR.;

21. The PHILIPPINE INFORMATION AGENCY with principal address at PIA Bldg. Visayas Avenue, Quezon City, represented by the Press Undersecretary and Officer-in-Charge HONESTO M. ISLETA;

22. The NATIONAL COMPUTER CENTER with principal address at Camp. Aguinaldo, Murphy, Quezon City, represented by its Director COL. FERMIN P. JAVIER;

23. The PHILIPPINE ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE with principal address at Philippine Science High School, Agham Road, Quezon City, represented by its President DR. ACHILLES I. DEL CALLAR;

24. The LUNG CENTER OF THE PHILIPPINES with principal address at Elliptical Road, Q.C. represented by its Executive Director DR. CALIXTO A. ZALDIVAR;

25. The NATIONAL KIDNEY INSTITUTE with principal address at East Avenue, Q.C. represented by its Executive Director DR. FILOTEO A. ALANO;

26. The PHILIPPINE HEART CENTER with principal address at East Avenue, Q.C. represented by its Executive Director DR. ESPERANZA I. CABRAL;

27. The PHILIPPINE CHILDREN'S MEDICAL CENTER with principal address at Quezon Avenue, Q.C. represented by its Executive Director DR. LILLIAN V. LEE;

28. The ASSOCIATION OF PHILIPPINE MEDICAL COLLEGES FOUNDATION, INC. with principal address at Room 306 Lung Center of the Philippines, Quezon Avenue, Q.C. represented by its Executive Director DR. ELENA INES-CUYEGKENG;

29. The PHILIPPINE SCIENCE HIGH SCHOOL with principal address at Agham Road, Diliman, Quezon City, represented by its Director DR. VICENTA F. REYES;

30. The PHILIPPINE INSTITUTE OF VOLCANOLOGY & SEISMOLOGY with principal address at Quezon Avenue, Quezon City, represented by its Director DR. RAYMUNDO S. PUNONGBAYAN;

31. The PHILIPPINE ATMOSPHERIC GEOPHYSICAL & ASTRONOMICAL SERVICES ADMINISTRATION with principal address at ATB BLDG. 1424 Quezon Avenue, Quezon City, represented by its Director DR. ROMAN L. KINTANAR;

32. The ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE with principal address at National Engineering Centre, U.P. Diliman, Quezon City represented by its Director PROF. ROMEO G. SOLIS;

33. The PHILIPPINE NUCLEAR RESEARCH INSTITUTE with principal address at Commonwealth Avenue, Diliman, Quezon City, represented by its Director DR. CARLITO R. ALETA;

AND

34. The DEPARTMENT OF SCIENCE AND TECHNOLOGY with principal address at Bicutan, Taguig, Metro Manila, represented by its Secretary DR. RICARDO T. GLORIA;

WITNESSETH

WHEREAS, Section 10, Article XIV of the Philippine Constitution states that, science and technology play a significant role in national development;

WHEREAS, there exist in Quezon City academic, government and private institutions which are involved in scientific research and technological activities; a number of specialized hospitals and medical centers; government-run utilities; national television and radio stations; news and/or magazine publication offices;

WHEREAS, these organizations have their own specialized laboratories and research groups to provide needed technical services to the public;

WHEREAS, the scarcity of human, infrastructure and financial resources demands that these resources be utilized to the fullest through a system of resource-sharing;

WHEREAS, the Quezon City Government's central location can easily provide the needed local government support for any bureaucratic program while the Policy Makers in the House of Representatives are close by to work hand in hand with the academicians and researchers in strengthening science and technology for national development agenda towards achieving STAND PHILIPPINES 2000;

WHEREAS, the quest for a progressive and dynamic city may be attained by working together as neighbors and partners under a science and technology-based development plan to be called QUEST 21, short for "Twenty-First Century Quezon City Urban Enrichment through Science and Technology".

WHEREAS, the above-named parties, hereinafter referred to as members of the QUEZON CITY SCIENCE COMMUNITY, have deemed it necessary to organize as a multi-disciplinary science community to establish a system of working relationship in conducting collaborative researches and to function more effectively as agents of technology change and development;

NOW, THEREFORE, for and in consideration of the foregoing premises, the parties do hereby agree on the following:

Handwritten signatures on the left margin, including names like 'Kintanar', 'Solis', 'Aleto', and 'Gloria'.

Handwritten signatures on the right margin, including names like 'Gloria', 'Aleto', and 'Solis'.

Handwritten signatures at the bottom of the page, including names like 'Kintanar', 'Solis', 'Aleto', and 'Gloria'.



Article I - STATEMENT OF OBJECTIVES

Section 1. General Objective: To form a regular and continuing association of scientific, technological, academic and administrative institutions located in or near the Diliman area of Quezon City to address the S & T needs of the country in general, and of Quezon City in particular.

Section 2. Specific Objectives:

- 2.1 To strengthen linkages among the participating agencies and other interested agencies in support of the common developmental agenda;
- 2.2 To align all these institutions' programs and activities with STAND PHILIPPINES 2000;
- 2.3 To create a forum for inter-agency cooperation, and to establish a system for effective sharing and utilization of physical, funding and manpower resources among member-institutions;
- 2.4 To promote effective collaboration and coordination among member-institution in the conduct of researches;
- 2.5 To promote, package and disseminate S & T information and foster/effect the proper utilization of research findings through various media means.
- 2.6 To facilitate the transfer and adoption of products, technologies and services developed and provided by the participating agencies to various clients and users;
- 2.7 To address S & T related problems and issues, including natural disaster mitigation and to help improve the economy and socio-cultural conditions through appropriate application of science and technology;
- 2.8 To participate actively in the annual celebration of the National Science and Technology Week;
- 2.9 To establish and support a science industrial park in Quezon City; and,
- 2.10 To promote the welfare, well-being and professional fulfillment/advancement of S & T practitioners of Quezon City.

Article II - TERMS OF AGREEMENT

Section 1. To achieve the above objectives, the members of the QUEZON CITY SCIENCE COMMUNITY voluntarily agree to assist and support each other in the implementation of the following activities:

- 1.1 Inventory of S & T capabilities and resources in member-institutions.
- 1.2 Identification of resources required by member-institutions in pursuing specific S & T activities.
- 1.3 Development of mechanisms for sharing resources and S & T capabilities.
- 1.4 Identification of priority S & T areas for the Quezon City Science Community and the development of mechanisms for coordination.
- 1.5 Design of manpower development programs and their mechanism for coordination.

- 1.6 Identification and filling up of technology gaps needed for agricultural and industrial development by interfacing with key industries.
- 1.7 Collaboration with government and private agencies, institutions, organizations in the effective use of new research findings and available science services.
- 1.8 Collection and dissemination of new research information through appropriate means such as: regular 'KAPILIAN', symposia, seminars, and other media means.
- 1.9 Development and implementation of research utilization plans.
- 1.10 Encouragement and support of team/community building activities fostering unity within and among member-institutions through seminars, scientific meetings, lectures, workshops addressed to common issues of concern.
- 1.11 Development of mechanisms for establishing linkages between and among research institutions outside the Quezon City Science Community, including the other Councils of the Department of Science and Technology, the Metro Manila Health Science Community, and the Los Banos Science Community, through exchange of researchers and dissemination of information.

Each particular collaborative project which will result from this main Agreement shall be covered by specific Agreements and shall form an integral part thereof.

- Section 2. For the purpose of overseeing, enforcing, and drawing up of the details of the Agreement, an Executive Council composed of seven (7) sectoral representatives shall be elected from among and by the heads of member-institutions present during a meeting. The seven (7) sectors are: energy; education; environment; basic services; food and agriculture; information; and advance research. The Executive Council shall meet regularly on a date agreed upon by all parties.
- Section 3. Inclusion of other interested agencies in the Quezon City Science Community may be made based on the criteria for membership set by the Executive Council.
- Section 4. The Secretariat of the Community shall be provided by the Philippine Nuclear Research Institute.

Article III - EFFECTIVITY

This Agreement shall be binding among the parties hereto for a period of seven (7) years and shall be renewed for the same period unless amended or terminated by mutual agreement of the parties concerned.

IN WITNESS WHEREOF, the parties have hereupon affixed their signatures;

*R. Sebastian*  
 MR. ROBERTO B. SEBASTIAN  
 Secretary  
 Department of Agriculture

*Angel D. Alcala*  
 MR. ANGEL D. ALCALA  
 Secretary  
 Department of Environment and Natural Resources

*William D. Dar*  
 DR. WILLIAM D. DAR  
 Director  
 Agricultural Research Bureau

*Joel D. Muyco*  
 MR. JOEL D. MUYCO  
 Director  
 Mines & Geosciences Bureau

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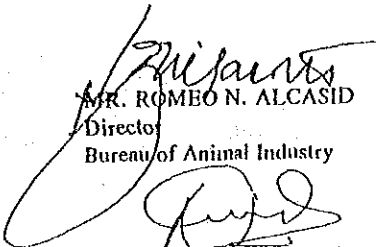
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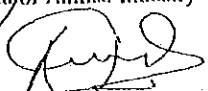
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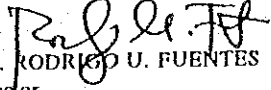
  
MR. ROMEO N. ALCASID  
Director  
Bureau of Animal Industry

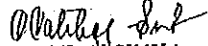
  
MR. VIRGILIO M. DAVID  
Administrator  
Philippine Coconut Authority

  
MR. LOPE D. REYES  
Director  
Forest Management Bureau

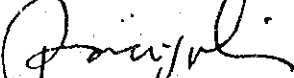
  
DR. GODOFREDO N. ALCASID  
Director  
Bureau of Soils & Water Management


  
DR. SEGUNDO C. SERRANO  
Director  
Agricultural Training Institute

  
MR. RODRIGO U. FUENTES  
Director  
Environmental Management Bureau

  
MS. CORAZON SINHA  
Director  
Protected Areas & Wildlife Bureau

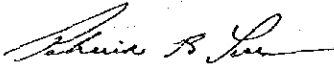
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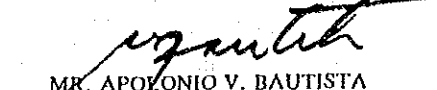
  
DR. FRANCISCO L. VIRAY  
President  
National Power Corporation

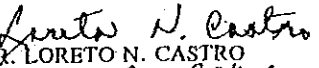
  
DR. JOSE V. ABUEVA  
President  
University of the Philippines System


HK

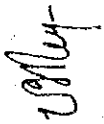
  
DR. MARIO C. BERBANO  
Division Manager  
PNOC-Energy Research &  
Development Center



  
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President  
Ateneo de Manila University

  
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National Irrigation Administration

  
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Director  
Miriam College Foundation

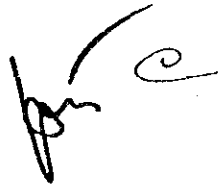
  
DR. MINDA C. SUTARIA  
Director  
Southeast Asian Ministers of Education  
Organization Regional Center for Educational  
Innovation and Technology (SEAMEO-INNOTECH)









*Robert P. Balao*  
MR. ROBERT P. BALAO  
General Manager  
National Housing Authority

*Ismael B. Mathay, Jr.*  
MR. ISMAEL B. MATHAY, JR.  
Mayor  
Quezon City Local Government

*Homesto M. Isleta*  
MR. HOMESTO M. ISLETA  
Press Undersecretary and  
Officer-in-Charge  
Philippine Information Agency

*Permin P. Javier*  
COL. PERMIN P. JAVIER  
Managing Director  
National Computer Center

*Ernesto Sonido*  
DR. ERNESTO SONIDO  
Vice-President  
Philippine Association for the Advancement of Science

*Calixto A. Zaldivar*  
DR. CALIXTO A. ZALDIVAR  
Executive Director  
Lung Center of the Philippines

*Filoteo A. Alano*  
DR. FILOTEO A. ALANO  
Executive Director  
National Kidney Institute

*Eberanza I. Cabral*  
DR. EBERANZA I. CABRAL  
Executive Director  
Philippine Heart Center

*Lilian V. Lee*  
DR. LILIAN V. LEE  
Executive Director  
Philippine Childrens Medical Center

*Elena Ines-Cuyegkeng*  
DR. ELENA INES-CUYEGKENG  
Executive Director  
Association of Philippine Medical Colleges Foundation, Inc.

*Vicenta J. Reyes*  
DR. VICENTA J. REYES  
Director  
Philippine Science High School

*Raymundo S. Punongbayan*  
DR. RAYMUNDO S. PUNONGBAYAN  
Director  
Philippine Institute of Volcanology and Seismology

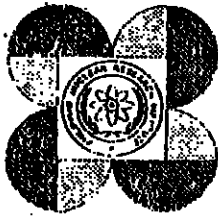
*Roman L. Kintanar*  
DR. ROMAN L. KINTANAR  
Director  
Philippine Atmospheric Geophysical  
& Astronomical Services Administration

*Romeo G. Solis*  
PROF. ROMEO G. SOLIS  
Director  
Advanced Science & Technology Institute

*Carlito R. Aleta*  
DR. CARLITO R. ALETA  
Director  
Philippine Nuclear Research Institute

*Ricardo T. Gloria*  
DR. RICARDO T. GLORIA  
Secretary  
Department of Science & Technology

Action of the Board of Regents at its 1074th Meeting on 2-27-84  
**CONFIRMATION**  
*Arantes B. Aures*  
**ARANTES B. AURES**  
Secretary of the University and of the Board of Regents



Republic of the Philippines  
**PHILIPPINE NUCLEAR RESEARCH INSTITUTE**  
Department of Science and Technology

Address: Commonwealth Avenue P. O. Boxes: 213 U.P., Quezon City 9300 **MAR 28 1994**  
Climan, Quezon City 1314 Contal, Quezon City 1196  
Tel: phones. 97-60 11 to 15 Fax: 95-16 46 Telex: 66804 PHRI FN Cable: PHILNUCLEAR

17 March 1994

**RUSH**

MEMORANDUM For:

All Representatives to the QCSC

SUBJECT: Draft Concept Paper on Environmental Monitoring  
in Quezon City

As agreed upon during the QCSC General Membership Meeting held on March 16, 1994 at the U.P. National Engineering Center, a copy of the draft concept paper on "Environmental Monitoring in Quezon City" prepared by Ms. Ella Deocadiz, Officer-in-Charge, Environmental Management Bureau, is hereby furnished to each member of the Quezon City Science Community for comments and recommendations.

It would be appreciated if your comments and/recommendations can be given to the QCSC Secretariat on or before 15 April 1994, for appropriate consolidation before the meeting of the Executive Council.

Thank you for your cooperation.

*[Signature]*  
CARLITO R. ALETA  
QCSC Chairman

cc: Dr. Godofredo N. Alcasid  
Director  
Bu. of Soils & Water Mgt.

ATTN.: Dr. Rogelio N. Concepcion  
Asst. Director & Project Mgr., SRDC

**ENVIRONMENTAL MONITORING  
IN QUEZON CITY**  
(Concept Paper Developed for the  
Quezon City Science Community)

**RATIONALE**

Environmental monitoring basically denotes long-term, standardized measurement, observation, evaluation and reporting of the environment in order to define status and trends. In general, environmental monitoring has the following fundamental objectives:

1. To assess the impact of man's activities on environmental quality;
2. To determine environmental quality, in its natural and disturbed state, and the type of use(s) it can support;
3. To keep under observation the sources and pathways of pollutants of concern; and
4. To identify existing and potential problem areas which should be the focus of remedial and anticipatory pollution mitigation actions.

Environmental monitoring would have practical significance to local government units in the country for management and operations purposes. The data generated in environmental monitoring could serve as basis for prioritization of environmental activities as well as allocation of resources, i.e. manpower, financial, infrastructure, etc., in order to solve pressing environmental problems.

In Quezon City, an environmental monitoring program could be spearheaded by the City Government and supported by the Quezon City Science Community (QCSC). The QCSC could develop the scientific aspects of the program and provide laboratory and field support as well as experts during the training, and data gathering and interpretation stages while the City Government could orchestrate the operational aspects of the program including identification and mobilization of concerned groups to participate in monitoring and data/information dissemination activities. The indicator of success of the program is its being able to generate meaningful data and information that could be used by the Quezon City Government for improving environmental quality in the City.

**EXISTING MONITORING SYSTEMS AND CAPABILITIES**

For the purposes of this concept paper, environmental monitoring would cover environmental components, e.g. water, air, soil, and vegetative cover, and pollution sources. To date, there are related monitoring programs undertaken by national and local government agencies within Quezon City. The monitoring programs are the following:

Water quality monitoring

01. Water Quality monitoring of Tullahan-Tenejeros River.

Implementing agency : DENR-NCR  
Sampling frequency : Monthly  
Parameters : BOD, DO, pH, TSS  
Objective : River rehabilitation  
Status : Temporarily suspended

02. Metro Manila Drinking Water Quality Monitoring

Implementing agencies : MWSS, DOH, DENR-EMB  
Sampling frequency : Weekly  
Stations : 23 stations for tapwater  
20 deepwells  
Parameters : Coliform, residual chlorine  
Objective : Improvement of drinking water quality  
Status : Ongoing

03. Groundwater monitoring in the vicinity of the Payatas dumpsite

Implementing agency : DENR-EMB  
Sampling frequency : Quarterly  
Parameters : Coliforms, pH, TSS, metals  
Objective : Containment of leachate pollution  
Status : Ongoing

Air quality monitoring

04. Ambient air quality monitoring

Implementing agency : DENR-EMB  
Sampling frequency : Weekly  
Parameters : TSP, SO<sub>2</sub>  
Status : Ongoing

Pollution source surveillance

05. Anti-smoke belching campaign

Implementing agency : QC Government  
Parameter : Smoke density  
Status : Ongoing

06. Industrial effluent surveillance

Implementing agency : LLDA  
Status : Ongoing

A number of QCSC-member agencies have experts and laboratory facilities that could be tapped to augment existing monitoring efforts. These agencies include the BSWM, DENR-FMB, DENR-NAMRIA, NPC, PNRI, and the UP System.

## PROPOSED PROJECT MECHANICS

Environmental monitoring in Quezon City will accomplish the following objectives:

### Long-term objectives

- 1) To enhance and improve Quezon City's environmental quality;
- 2) To increase public awareness and involvement in matters relating to environmental protection.

### Short-term objectives

- 1) To develop environmental quality targets, indicators, and indices for Quezon City;
- 2) To develop a monitoring plan taking into consideration the targets and indicators as well as available resources within the QCSC and other concerned sectors;
- 3) To implement the monitoring plan;
- 4) To formulate recommendations, on a regular basis, to Quezon City Government officials relative to problem areas and proposed solutions.

### Environmental quality targets

Environmental quality targets would initially cover descriptive targets for water quality, air quality, soil quality, solid waste collection efficiency, solid waste recycling/re-use efficiency, vegetative cover quality, pollution source reduction, and other environmental concerns.

### Environmental media to be monitored

Environmental media and pollution sources to be monitored include the following:

#### Environmental media

Water - surface water, groundwater

Air - ambient air

Soil - top soil and subsoil (pollution on soil like lead, iron, calcium, etc. that lead to human .....

#### Pollution sources

Industries

Households

Motor vehicles

Waste dumpsites

Commercial establishments

Institutions

#### Other environmental components

Vegetative/forest cover



### Parameters, frequency of sampling, and related procedures

The parameters will be identified as soon as definite targets are set and the environmental media/components are identified. Also to be set are methods of sampling and analysis, frequency of sampling and analysis, data handling, and the reporting system.

### Data consolidation and reporting system

There are three venues for reporting of monitoring data. One is through scientific fora while the other is through popular literature. The third venue is the environmental quality index display board which could be installed in strategic locations in the City.

### Responsibilities of cooperating agencies

QCSC-member agencies' involvement are in the following areas:

- \* Project coordination
- \* Project planning, e.g. organization, environmental quality target setting, project target setting, project protocols, scientific protocols, etc.
- \* Project operation, e.g. training, conduct of surveys, collection of samples, analysis of samples, data processing and interpretation, data consolidation, data/information dissemination, formulation of recommendations, etc.
- \* Project monitoring and evaluation.

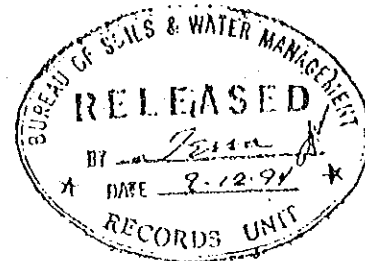
### **INPUTS REQUIRED**

Project implementation requires the following inputs:

- \* Manpower. Project planners, scientists, technical personnel, trainers, field personnel, laboratory personnel, data handling personnel, etc.;
- \* Logistics. Transportation, communication, coordination, etc.;
- \* Field and laboratory equipment and spare parts, chemicals, glassware;
- \* Mapping facilities;
- \* Central nerve center for the project;
- \* Funding source.

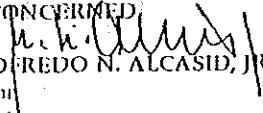
First draft/EMB/08 March 1994

ROOM ASSIGNMENTS  
FOR  
JICA TEAM LEADER &  
EXPERTS



September 2, 1994

Memorandum

To : ALL CONCERNED  
 From :   
 Godofredo N. Alcasid, Jr.  
 Director  
 Re : OFFICE RE-ASSIGNMENT

In preparation for the implementation of SRDC Technical Cooperation Project Phase II and as provided for in the Minutes of Discussion with the recent JICA Mission, effective the soonest possible time, the following offices are hereby re-assigned as follows:

OFFICE	LEVEL	TRANSFERRED TO	LEVEL
1. Project Manager's Office	2nd	Research Division's Conference Room	4th
2. Legal Office	2nd	Property Chief Office	1st
3. Planning Unit	2nd	Property Office	1st
4. Property Chief Office	1st	Maintenance	Basement
5. Radio Room	2nd	Engineering Office	1st
6. Engineering Office	1st	Maintenance	Basement

The re-assignment is hereby effected to accommodate the SRDC Long Term JICA Experts to wit:

OFFICE	TO BE OCCUPIED BY
1. Project Manager	SRDC Phase II Team Leader
2. Visiting Scientist Room	SRDC Phase II Coordinator
3. Legal Office	JICA Experts for Soil and Fertilizer, and Soil Conservation
4. Planning Office	JICA Expert on Soil Productivity and Capability Classification
5. Radio Room	JICA Expert on Soil Conservation

The ante room of the Project Manager's Office and the Visiting Scientist Room at the Executive Office will serve as the JICA Experts Meeting Room. The JICA Team Secretarial Staff shall move across the hall to the DO secretarial staff.

This relocation shall streamline and facilitate project implementation and inter-office coordinations.

For your information and appropriate action.

LETTER OF REQUEST  
RE: ROAD IMPROVEMENT



Republic of the Philippines  
DEPARTMENT OF AGRICULTURE  
Office of the Secretary  
Elliptical Road, Diliman, Quezon City

September 5, 1994

Secretary GREGORIO R. VIGILAR  
Department of Public Works and Highways  
Bonifacio Drive, Port Area  
Manila

Dear Secretary Vigilari :


The Department of Agriculture through the Bureau of Soils and Water Management - Soils Research and Development Center (BSWM-SRDC) has just successfully negotiated with the Japan International Cooperation Agency (JICA) its SRDC Technical Cooperation Project Phase II. One significant area of this project is located at Barangay Cuyambay in Tanay, Rizal. Part of the preconditions of the project however includes the improvement of the dirt road from the town proper to the project site (National Center for Soil and Water Resources Research Center).

It is in this light that we seek your assistance for the immediate improvement of the said road.

We look forward to your favorable and immediate response.

Thank you.

Yours very truly,

  
ROBERTO S. SEBASTIAN  
Secretary





JICA