

APPENDICES

APPENDICES

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1) Member List of the Basic Design Study Team
(Basic Design Study, Oct.--Nov. 1983)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

P. O. BOX 216 MITSUI BLDG
2-1, NISHI-SHINJUKU, SHINJUKU-KU TOKYO
160 JAPAN

THE JAPANESE BASIC DESIGN STUDY TEAM
FOR
DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY

MEMBER LIST

- | | |
|-------------------------|--|
| 1. Mr. Kiichiro Hara | Team Leader Director of Forestry Promotion Division, Forestry Agency |
| 2. Mr. Takeshi Komori | Project Coordinator Basic Design Div. Grant Aid Dept., JICA |
| 3. Mr. Junichi Itano | Chief Architect Nikken Sekkei Ltd |
| 4. Mr. Kiyoshi Sakurai | Architect Nikken Sekkei Ltd |
| 5. Mr. Kenji Fujito | Electrical Engineer, Equipment Nikken Sekkei Ltd |
| 6. Dr. Hirozumi Kataoka | Agro-Forestry, Equipment Nikken Sekkei Ltd |

2) Itinerary of the Basic Design Study Team
(Basic Design Study, Oct.-Nov. 1983)

- Oct. 25, 1983 (Tue) Arrive in Manila
Meeting with Japanese Embassy and JICA
- Oct. 26 (Wed) Meeting with Prof. Rodrigo D. Bumarlong,
Chairman of the Agroforestry Faculty
- Briefing session with related parties from
the Ministry of Education, Culture & Sports
- Discussions at the Bureau of Forestry Deve-
lopment on forestry policies and the necessity
of agroforestry
- Briefing session with members of Pantabangan
Technological Cooperation on the problems of
forestry in the Philippines.
- Oct. 27 (Thur) Visit to the National Economic Development
Authority (NEDA)
- Briefing session on the necessity of current
status of agroforestry in the Philippines,
and the necessity of its extension.
- Visit to the University of the Philippines dos
Banos, and surveys on the current status and
implementation of agroforestry.
- Oct. 28 (Fri) Visit to Pantabangan Project
- Arrive in Bacnotan
- Oct. 29 (Sat) Survey on the campus site
- Determination of the location of the main
building of the Agroforestry Complex.
- Conference within the Study Team to decide on
the direction of the Project.
- Oct. 30 (Sun) Surveys on the site of KKK project and Sapling
field.
- Conference within the Study Team on the
curriculum.

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| Oct. 31 (Mon) | <p>General Meeting on education programs, proposals on the curriculum and restricting the range of the Project.</p> <p>Conference within the Study Team for determining the size of the facilities.</p> <p>Setting up standrads for selection of equipment.</p> <p>Team Member K. Fujito arrives in Bacnotan.</p> |
| Nov. 1 (Tue) | <p>General Meeting Confirming the details of the curriculum</p> <p style="padding-left: 100px;">Explaining the outline of M/D</p> <p style="padding-left: 100px;">Obtaining materials</p> <p>Conference within the Study Team</p> <p style="padding-left: 100px;">Studying the ground plan of the facilities</p> <p style="padding-left: 100px;">Drawing up the list of equipment</p> <p style="padding-left: 100px;">Discussing the outline of the range of the Project</p> |
| Nov. 2 (Wed) | <p>General Meeting Explanation on the facility plan</p> <p style="padding-left: 100px;">Explanation and discussion on the equipment plan</p> |
| Nov. 3 (Thur) | <p>Tour to the Agoon Campus, Rosario Campus, and St. Thomas Campus</p> <p>Visit to Dagupan City, Bureau of Forest Development, regional office</p> <p>Briefing session on local forestry policies and the necessity of promoting agroforestry in Region I.</p> |
| Nov. 4 (Fri) | <p>Visit to the University Medical Dispensary.</p> <p>Discussions on the equipment plan at the Dispensary.</p> <p>Survey of the existing laboratories</p> <p>Signing of M/D contract</p> |

Nov. 5 (Sat)

Team Leader Kiichiro Hara and Team Member Takeshi Komori move to Manila

Discussions on the plans for Dispensary and laboratories

Discussions on the survey for infrastructures

Selecting the location for Workshop, Field Workshop, Experimental Forest and Spaling Field

Making related surveys at NEDA Regional Office

Nov. 6 (Sun)

Survey on and around the campus

Conference within the Study Team

Confirming determined subjects

Looking out for new objects of survey

Nov. 7 (Mon)

Making related surveys at the NEDA Regional Office

Survey on crops

Survey on existing facilities

Survey on financial status

Exchange of signed documents on Record of Discussion

Nov. 8 (Tue)

Briefing session on KKK Project, BLISS-II Project and related projects

Visit to a cement plant

Surveys on Project site and detailed survey on education

Team Member T. Komori leaves Manila for Tokyo

Nov. 9 (Wed)

Leave Bacnotan

Conference within the Study Team

| | |
|----------------|--|
| Nov. 10 (Thur) | Collecting relevant material at NEDA Library Survey on the status of construction Collecting maps and other reference material |
| Nov. 11 (Fri) | Presenting a Summary Report by JICA to the Embassy Survey on building materials and transportation Compiling the materials |
| Nov. 12 (Sat) | Team Member Hirozumi Kataoka leaves Manila for Tokyo Survey related to Confirmation Report Survey on building materials and labor force Compiling the materials |
| Nov. 13 (Sun) | Conference within the Study Team Summing up the results of the surveys Drawing up a Summary Report |
| Nov. 14 (Mon) | Team Members J. Itano, K. Fujito and K. Sakurai leave Manila for Tokyo |

Minutes of Discussions
on
the DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY
AGROFORESTRY COMPLEX PROJECT
Republic of the Philippines

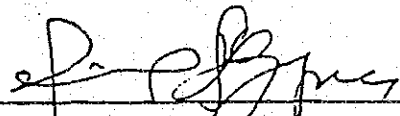
In response to the request by the Government of the Republic of the Philippines for assistance in constructing an Agroforestry Complex at the Don Mariano Marcos Memorial State University in Bacnotan (hereinafter referred to as "the Project"), the Government of Japan has sent through the Japan International Cooperation Agency (JICA) a study team headed by Mr. Kiichiro Hara, Director of Forestry Promotion Division Forestry Agency, to conduct the Basic Design Survey on the Project from October 25th to November 14th, 1983.

The team held series of discussions and exchanged views with the relevant Authorities of the Government of the Philippines. As the result of the study and discussions, both parties have agreed to recommend to their respective Governments to examine the result of the survey attached herewith toward the realization of the Project.

November 4, 1983

原 喜一郎

MR. KIICHIRO HARA
Team Leader
Japanese Study Team



DR. BIENVENIDO P. AGPAOA
President
Don Mariano Marcos Memorial State University

ATTACHMENTS:

1. The Objective of the Project is to provide an Agroforestry complex building and Agroforestry equipments for the Department of Agroforestry of the Don Mariano Marcos Memorial State University in Bacnotan, La Unión, Ilocos Region (hereinafter referred to as Department).
2. The Proposed site of the Project is in the Bacnotan campus of the DMMSU, La Union shown in Annex I.
3. The basic concept of the Department is as follows:
 - a. To deliver relevant and quality Agroforestry education responsive to the region's needs for middle and high level manpower.
 - b. To generate, verify, package and disseminate appropriate Agroforestry Technology for rural people.
 - c. To evolve extension approaches, strategies and techniques for effective dissemination of applicable Agroforestry Technology to the rural communities.
 - d. The basic curriculum required for the Department is as in Annex II.
4. The Japanese Study Team will convey the desire of the Government of the Republic of the Philippines to the Government of Japan that the latter will provide the building and other items as listed in Annex III within the scope of Japanese economic cooperation in grant form.

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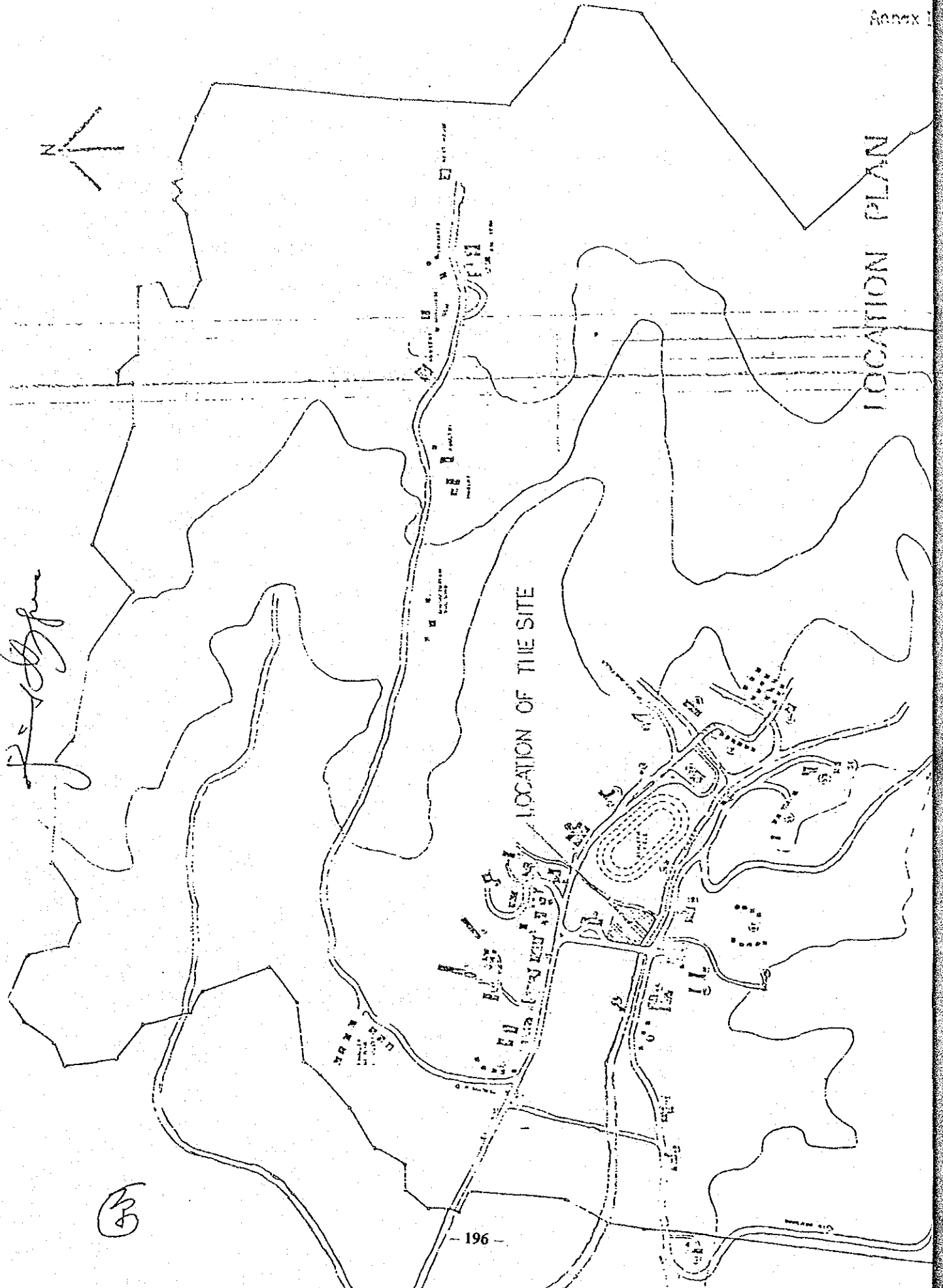
5. The Government of the Republic of the Philippines will undertake the necessary measures listed in Annex IV on condition that the grant assistance by the Government of Japan is extended to the Project.
6. Both sides have confirmed that the Japanese study team explained Japan's Grant Aid Programme and that the Philippine side has understood the same.

J. J. J.

(B)

LOCATION PLAN

For site plan



(3)

Annex II

BASIC CURRICULUM

- | | | |
|--|---------------------------------------|--|
| | 1 - 1 Dendrology | |
| | 1 - 2 Ecology | |
| | 1 - 3 Soil Science | |
| 1. Agroforestry Biological Sciences | 1 - 4 Silviculture | with appropriate experimental area for |
| | 1 - 5 Arboriculture | fieldwork " |
| | 1 - 6 High-land Agronomy | " |
| | 1 - 7 Tree Physiology | " |
| | 1 - 8 Agroforestry Crop Protection | |
| | 2 - 1 Crop Technology | |
| 2. Processing of Agroforestry Products | 2 - 2 Hand Craft Technology | |
| | 3 - 1 Surveying | |
| | 3 - 2 Applied Research and Statistics | |
| 3. Agroforestry Resources Management | 3 - 3 Economics | |
| | 3 - 4 Forest Biometry | |
| | 3 - 5 Forest Planning & Management | |
| | 4 - 1 Social Forestry | |
| 4. Agroforestry Extension | 4 - 2 Information Technology | |
| | 4 - 3 Agribusiness | |

Annex III. Items required by the Government of the Republic of the Philippines whose costs will be borne by the Government of Japan

1. Agroforestry Building Complex

Faculty Component

Research Component

Instruction Component

Extension Component

Administration Component

Field Work Shop

2. Agroforestry Equipment

Instructional Equipment

Laboratory Equipment

Field Work Equipment

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4) Member List of the Basic Design Study Team (Confirmation, Jan. - Feb. 1984)

THE JAPANESE BASIC DESIGN Study TEAM
FOR
DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY

MEMBER LIST

| | |
|----------------------|---|
| Mr. Kiichiro Hara | Team Leader Director of Forestry Promotion Division, Forestry Agency |
| Mr. Minami Nagai | Project Coordinator Basic Design Div. Grant Aid Dept., JICA |
| Mr. Itano, Jun-Ichi | Chief Architect Nikken Sekkei Ltd. |
| Mr. Hirozumi Kataoka | Agroforestry Equipment Nikken Sekkei Ltd. Professor of Forestry, Department of Agriculture & Veterinary Medicine, Nihon University |

5) Itinerary of the Basic Design Study Team (Confirmation, Jan. - Feb. 1984)

- January 27 (Fri) Arrive in Manila (PR 431)
Preliminary meeting with General Manager Mr. Mitarai and Mr. Saeki of JICA Philippine office
- January 28 (Sat) Arrive in Bacnotan
Presentation and explanation of the Final Report (draft) to the members of DMMMSU, requesting for their review of the final draft in preparation for the conference on January 30 (Mon)
- January 29 (Sun) Additional survey around the Project site
Meeting within the Team
- January 30 (Mon) Presentation and Question & Answer Session on the Final Report (draft) of the Basic Design Study Team and the Minutes of Discussions.
Requesting for additional data (survey map, sample material, etc.)
Evening: Welcome party hosted by DMMMSU
- January 31 (Tue) Signing by both parties of the Minutes of Discussions (signed by Team Leader Hara of Basic Design Study Team and President Agpaoa of DMMMSU, witnesses by Director Alabanza)
Lunch hosted by Basic Design Study Team
Meeting within the Team
- February 1 (Wed) Arrive in Manila
Report to JICA and the Japanese Embassy
Report to NEDA
Evening: Dinner party hosted by JICA
- February 2 (Thur) Team Leader Hara leaves Manila for Tokyo by NW 004
Compiling of materials and meeting with the Team
- February 3 (Fri) Team Member Nagai leaves Manila for Bangkok (TG)
Team Members Kataoka and Itano leave Manila for Tokyo by NW 004

6) Minutes of Discussions (Confirmation)

MINUTES OF DISCUSSIONS

The Draft Report of the Basic Design Study on the Construction Project for Agro-Forestry Complex of the Don Mariano Marcos Memorial State University

At the request of the Government of the Republic of the Philippines for grant aid for the Construction Project for Agro-Forestry Complex of the Don Mariano Marcos Memorial State University, the Government of Japan dispatched a Mission to carry out the Basic Design Study (hereinafter referred to as "the Study") on the Construction Project for Agro-Forestry Complex of the Don Mariano Marcos Memorial State University (hereinafter referred to as "the Project") through Japan International Cooperation Agency (JICA) from October 25th to November 14th, 1983.

The mission carried out a field survey and had a series of discussions with the authorities concerned of the Government of the Republic of the Philippines.

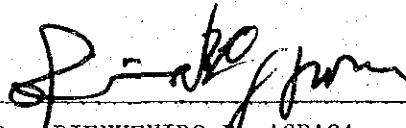
As a result of these survey and discussions, JICA prepared and submitted a Draft Final Report on the Study and dispatched a Mission to explain and discuss on this Report starting from January 27th to February 3rd 1984.

Both parties had a series of discussions on the Report and have agreed to recommend to their respective Governments that the major points of understanding reached between them, attached herewith, should be examined toward the realization of the Project.

January 31st, 1984

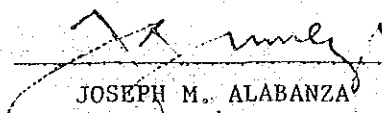
原 喜一郎

Mr. KIICHIRO HARA
Leader of the Mission



Dr. BIENVENIDO E. AGPAOA
University President

Witness:



JOSEPH M. ALABANZA
Member, Board of Regents
D M M M S U
Regional Executive Director
NEDA, Region I

MAJOR POINT OF UNDERSTANDING

BASIC DESIGN

1. Philippine side principally has agreed to the basic design proposed in Draft Final Report.
2. The Final Report (10 copies in English) on the Project will be submitted to Philippine side by the March 1984.

FM
[Signature]
[Signature]

7) Member List of the Related Parties

DMMSU

Dir. Joseph M. Alabanza
Director, NEDA Region I
Member of the DMMSU Board of Regents

Dr. Bienvenido P. Agpaoa
University President

Dr. Rodolfo Ulep
Executive Vice-President

Dr. Saturnino M. Ocampo, Jr.
Vice President for Planning and Development

Dr. Pablito Picardal
Dean, college of Agriculture and Forestry
Bacnotan Campus

Prof. Primo I. Pizarro
Associate Dean
College of Agriculture and Forestry
Bacnotan Campus

Prof. Ernesto Bayubay
Director of General Services
College of Agriculture and Forestry
Bacnotan Campus

Dr. Julita Salazar
Chairman, Home Technology
Bacnotan Campus

Prof. Victoria Macabiog
Acting Dean
College of Liberal Arts
San Fernando Campus

Prof. Remigio Aquino
Dean, College of Arts & Sciences
Agoo Campus

Prof. Remedios Baga
Associate Dean
College of Fisheries
Balaoan Campus

Prof. Elpidio Mamaril
Dean, College of Fisheries
Sto. Tomas Campus

Prof. Pablo Peña
Dean, College of Agriculture & Forestry
Rosario Campus

Prof. Ernesto Gapasin
Dean, College of Engineering & Technology
San Fernando Campus

Engr. Manolo Munar
DMMMSU Technical Advisery/Consultant
San Fernando, La Union

Prof. Rodrigo Bumarlong
Chairman, Agroforestry
Bacnotan Campus

Prof. Antonio Repollo
Asst. Chairman, Agroforestry
Bacnotan Campus

Dr. Renato Pocsidio
Chief Medical Officer
DMMMSU

Arch. Ariston Yañez
University Architect
Bacnotan Campus

Miss Marlyn Guerrero
Instructor, Home Technology
Bacnotan Campus

Mrs. Necita Suguitan
Instructor, Home Technology
Bacnotan Campus

Miss Eufemia Gaerlan
Instructor, Agroforestry
Bacnotan Campus

Mr. Jessie Ufano
Instructor, Agroforestry
Rosario Campus

Prof. Florent Sals
Director of Instruction
College of Arts and Sciences

Dr. Celedonio Gapasin
Director of Extension
College of Agriculture & Forestry
Bacnotan Campus

Dr. Mario C. Menguita
Director of Research
College of Agriculture & Forestry
Bacnotan Campus

Mrs. Natividad Corpuz
Instructor, College of Liberal Arts
San Fernando Campus
Acting Stenographer

Mrs. Teresita Gañalon
Administrative Assistant III
College of Agriculture & Forestry
Bacnotan Campus
Acting Stenographer

Dr. Arsenio Corpuz
Chairman, Graduate Studies and
Agricultural Education Dept.
Bacnotan Campus

Mr. Romeo E. Alcantara
Assistant to the President
DMMMSU

Mr. Ildefonso Melegrito
Assistant Professor,
Assistant Principal of the Laboratory High School

Mr. Antonio A. Quejado
Presidential Assistant on
Forestry Matters

Mr. Manuel C. Villamar
Instructor, Agroforestry Dept.

Mr. Abraham Tadeo
Instructor, DMMMSU, CAF

Ms. Josefina Ganaden
Instructor, DMMMSU, CAF

Ms. Marlyn Tapaoan
Instructor, DMMMSU, CAF

Mr. Lilito D. Gavina
Instructor, DMMMSU, CAF

Leonardo Solis
Instructor, DMMMSU, CAF

Mr. Benjamin Sapitula
Instructor, DMMMSU, CAF

Ms. Nelly C. Antolin
Instructor, Agro-Forestry Dept.

Others

Embassy of Japan

Mr. Yoshikazu Matsuura
First Secretary

JICA Manila Office

Mr. Akihiro Mitarai
General Manager

Mr. Osamu Saeki

Ministry of Education, Culture & Sports

Mr. Delfin B. Fernandez
Assistant Cultural Affairs Officer

Bureau of Forestry Development

Mr. Rogelio Baggayan
Chief of Planning & Evaluation Division

JICA Technical Cooperation staff in Pantabangan

Mr. Osaki
Team Leader

Mr. Kuroki
Coordinator

National Economic Development Authority

Mr. Romeo Reyes
Director, External Assistance Staff

Mr. Vicente D. Salazar, Jr.
External Assistance Staff

University of the Philippines, Los Banos

Dr. Celso B. Lantican
Dean, UPLB College of Forestry

Bureau of Forest Development Regional Office

Mr. Buenaventura B. Rodrigo
Director, Region I, Dagupan City

8) Presidential Decree No. 1778

MALACANANG
MANILA

PRESIDENTIAL DECREE NO. 1778

ESTABLISHING THE DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY BY MERGING THE DON MARIANO MARCOS MEMORIAL STATE COLLEGE, THE SOUTHERN ILOCOS POLYTECHNIC STATE COLLEGE, THE LA UNION SCHOOL OF ARTS AND TRADES AND THE LA UNION COMMUNITY COLLEGE AND LIKEWISE INTEGRATING THE SAPILANG ELEMENTARY SCHOOL INTO THE STATE UNIVERSITY: PROVIDING A CHARTER FOR THIS PURPOSE AND APPROPRIATING FUNDS THEREOF;

WHEREAS, the Constitution of the Philippines directs the State to establish and maintain a complete, adequate, and integrated system of education relevant to the goals of national development and further prescribes that all educational institutions shall aim to develop scientific, technological, and vocational efficiency;

WHEREAS, under Presidential Decree No. 6-A, also known as the Educational Decree of 1972, promulgated on September 20, 1972, it has been declared a policy of the government to re-orient the educational system to be relevant to an accelerated national economic growth and meaningful social development;

WHEREAS, by merging some institutions the utilization of limited resources in higher education program can be coordinated and maximized, and may result in a more effective and rapid development of the manpower resources in the province of La Union in particular, and of the region in general; and

WHEREAS, the establishment of a state university in the province of La Union will provide more opportunities in professional and technical training in the arts, sciences, humanities and technology, and in the conduct of scientific research and technological studies, and would not only give chance to the students from low-income families, but will eventually also draw students who otherwise would flock to Manila, thereby lessening social problems in the city;

NOW, THEREFORE, I, FERDINAND E. MARCOS, President of the Philippines, by virtue of the powers vested in me by the Constitution, do hereby order and decree:

SECTION 1. The Don Mariano Marcos Memorial State University is hereby established by merging the Don Mariano Marcos Memorial State College at Bacnotan, La Union; the Southern Ilocos Polytechnic State College

at Agoo, La Union; and the La Union School of Arts and Trades and La Union Community College, both at San Fernando, La Union. The Sapilang Elementary School located inside the campus of the Don Mariano Marcos Memorial State College is likewise integrated into the State University, hereinafter referred to as the University.

SEC. 2. The present faculty and all other personnel of the institutions merged in this Decree are hereby transferred to the University.

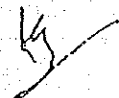
SEC. 3. The general administration of all assets, fixed and movable, records and properties of the merged institutions shall be transferred to the Don Mariano Marcos Memorial State University.

SEC. 4. The University shall provide advanced instruction in the arts, agriculture, fishery, engineering and natural sciences, as well as in other technological and professional fields; promote research, and engage in extension work.

SEC. 5. The governing board of the University shall be a Board of Regents hereinafter referred to as a Board, to be composed of the Minister of Education and Culture as Chairman, the President of the University as Vice-Chairman, and the Regional Director of the National Economic and Development Authority and four (4) prominent citizens who have distinguished themselves in their respective professions or fields of specialization to be appointed by the President of the Philippines upon recommendation of the Minister of Education and Culture, as Members. In the absence of the Minister of Education and Culture, he may designate his representative to sit in the meetings of the Board.

Of the four (4) appointed regents, one shall serve for two years; one for three years; and two for four years. Thereafter, the appointees shall hold office for a term of four years. In case of permanent vacancy, the appointee shall hold office for the unexpired term only.

SEC. 6. A majority of all members of the Board of Regents holding office at the time of a meeting shall constitute a quorum, provided the Minister of Education and Culture, or his duly appointed representative shall be considered in determining a quorum. All processes



against the University shall be served on the President of the University or his duly authorized representative.

SEC. 7. The members of the Board of Regents shall not receive compensation but shall be reimbursed for actual and necessary expenses, on a commutable basis, incurred either in attendance of meetings of the Board or of other official business authorized by it.

SEC. 8. The Board of Regents shall have the following powers and duties in addition to its general powers of administration and the exercise of all the powers of a corporation as provided in Batas Pambansa Blg. 68 otherwise known as the Corporation Code of the Philippines:

a. To prescribe rules for its own government and to enact for the government of the University such rules and regulations not contrary to law, as are consistent with the purpose and function of the University;

b. To receive and appropriate such funds as may be provided for the support of the University;

c. To import duty-free commodities for educational purposes as an exemption to existing laws as well as to receive in trust legacies, gifts, and donation of all kinds and to administer the same for the benefit of the University, or any department thereof, in accordance with the instructions of the donor not contrary to law; and in default thereof, in such manner as the Board of Regents may in its discretion determine. All such donations shall be exempt from all taxes and shall be considered as deductible items from the income tax of the donors;

d. To approve the curricula and rules of discipline drawn by the Academic Council as hereinafter provided.

e. To confer degrees upon successful candidates for graduation, to confer honorary degrees upon persons in recognition of intellect, public service, statesmanship or eminence in any fields of specialization of the University, and to authorize the President of the University to award certificates for completion of non-degree programs.

f. To appoint, upon the recommendation of the University President, vice presidents, deans, directors, registrars, heads of departments, professors, and to confirm appointments of other officials and employees of the University made by the President; to fix their

compensation, and such other duties and condition as may be promulgated in accordance with the provisions of existing laws; to remove them for cause in accordance with established civil service rules and regulations.

g. To establish chairs in the university and to provide fellowship and scholarship for qualified faculty and administrative personnel, and scholarship to deserving students.

h. To fix the tuition fees and such other necessary school charges as the Board may deem proper to impose. Such fees and charges, including their income generated by the university, shall constitute a special trust fund for the exclusive use of the university, any provision of existing laws to the contrary notwithstanding.

i. To authorize the construction or repair of its buildings, machineries, equipment and other facilities and the purchase of necessary supplies, materials and equipment, any provision of law to the contrary notwithstanding; provided, however, that the funds for the purpose shall come from the authorized appropriation of the University.

j. To acquire lands as may be needed by the University.

SEC. 9. The head of the University shall be known as the President of the University. He shall be appointed for a term of six (6) years by the President of the Philippines upon recommendation of the Minister of Education and Culture after consultation with the members of the Board.

SEC. 10. The seat of the administration of the Don Mariano Marcos Memorial State University shall be at the Don Mariano Marcos Memorial State College at Bacnotan, La Union.

SEC. 11. The governance of the University shall be so established allowing certain degree of autonomy for its component colleges thereby permitting the exercise of initiative and creativeness in pursuit of immediate goals and objectives.

SEC. 12. The incumbent heads of the different institutions to be merged shall continue to serve under the present respective designations and salary rates until such time when the Board determines the status and other conditions relating to their positions. Other officials, faculty members and employees shall likewise

continue in their present assignments and salary rates until such time when a staffing pattern has been approved by the Board.

SEC. 13. There shall be an Administrative Council consisting of the President of the University as Chairman and the Vice-Presidents, and deans of the different colleges as Members; whose duty shall be to implement policies of the University governing personnel, financial management, and development planning as promulgated by the Board.

SEC. 14. There shall be an Academic Council of the University with the President of the University as Chairman and all the professors of the university as members.

The Academic Council shall have the power to prescribe the curricula and rules of discipline of the University subject to the approval of the Board. It shall fix the requirements for admission to the colleges as well as for graduation, and the conferring of degrees, subject to review by the Board. The Council shall likewise have the power to recommend students to be recipients of degrees. Through the President of the University, or his duly authorized representative, the Council shall have disciplinary power over the students of the University within the limits prescribed by the rules of discipline as approved by the Board.

SEC. 15. Members of the faculty of the University shall be exempt from any civil service examination or regulations as a requisite to appointment. No religious test shall be applied nor shall religious opinions or affiliations be a matter of inquiry in the appointment of faculty members of the University provided that no member of the faculty shall teach for or against any particular church or religious sect, or advocate any ideology contrary to Filipino culture and traditions.

SEC. 16. There shall be an Advisory Council for each college of the University to be headed by the college head, and whose members shall be drawn from the faculty and administrative staff of the college appointed by the Board upon the recommendation of the President of the University. The Advisory Council shall provide advice and counsel to the College head in matters concerning the general affairs of the college.

SEC. 17. No student shall be denied admission to the University by reason of age, sex, religion, or political affiliation. The President, after consultation with Academic Council, shall issue rules and regulations on the admission, retention, and non-readmission of students, not contrary, however, to the provision stated above.

SEC. 18. The Treasurer of the Philippines shall ex-officio be the Treasurer of the University. All accounts and expenses thereof shall be audited by the Commission on Audit through its duly authorized representative.

SEC. 19. Heads of ministries and offices of the national government and provincial or city/municipal government are hereby authorized to loan or transfer, upon request of the President of the University, such apparatus, equipment and supplies as may be needed by the University including the detail of employees for duty therein when such employees as determined by his agency head can be spared without serious detriment to the public service. Employees so detailed shall perform such duty as required under detail and the time so employed shall be counted as part of their regular official service.

SEC. 20. The Don Mariano Marcos Memorial State University is hereby authorized to exercise the right of eminent domain for the acquisition of sites required for its expansion or projects.

SEC. 21. The Minister of Education and Culture is hereby directed to take such steps as necessary for the immediate implementation of this Decree.

SEC. 22. On or before the fifteenth day of the second month after the opening of regular classes each year, the Board shall file with the Office of the President of the Philippines, through the Minister of Education and Culture, a detailed report setting forth the progress and conditions of the University.

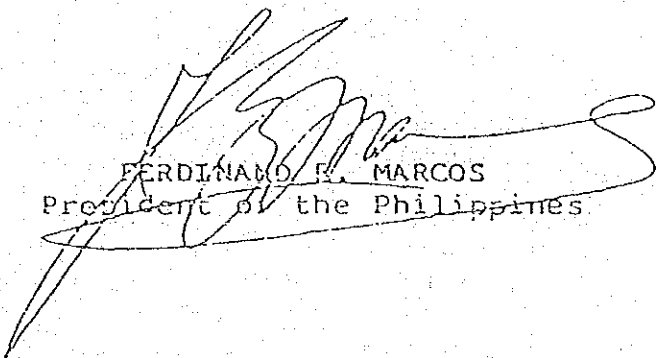
SEC. 23. In addition to the present appropriations, national or local, of the institutions merged and integrated in this Decree, the sum of TWENTY MILLION PESOS (P20,000,000.00) is hereby authorized to be appropriated to carry out the purpose of this Decree. Thereafter, funds needed for the maintenance and continued operation of the University shall be included in the Annual General Appropriation Act.

7/

SEC. 24. Presidential Decrees creating the Don Mariano Marcos Memorial State College, and the Southern Ilocos Polytechnic State College, including PD 1517 and 1437, and the Republic Act establishing the La Union School of Arts and Trades and such other laws, acts, decrees, or executive orders contrary to or inconsistent with this Decree are hereby repealed, amended, or modified accordingly.

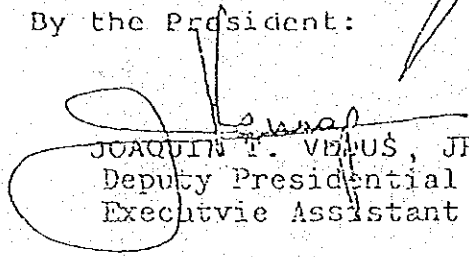
SEC. 25. This Decree shall take effect the school year 1981-82.

Done in the City of Manila, this 15th day of January, in the year of Our Lord, nineteen hundred and eighty



FERDINAND E. MARCOS
President of the Philippines

By the President:



JOAQUIN T. VELUS, JR.
Deputy Presidential
Executive Assistant

9) List of Existing Facilities on University Site

| F U I L D I H G | TYPE | Area/Sq.m. | No. of Floors | Architect | Contractor | Date of Completion |
|--|------------------------|--------------|---------------|-----------------------|-------------------|--------------------|
| 1. Arts and Science Building | Academic | 1,040 | 2 | DUMSU Architects Off. | Administration | 1979 |
| 2. Agro-Engineering Building | Academic | 1,700 | 1 | -do- | - | 1979 |
| 3. Agronomy/Agriculture | Academic | 630 | 1 | Ventura Arch'tl Firm | Administration | 1978 |
| 4. Agricultural Education | Academic | 650 | 2 | DUMSU Architects Off. | Administration | 1975 |
| 5. Psychology Building | Academic | 135 | 1 | No Plan | Administration | 1970 |
| 6. Bio-Science Building | Academic | 1,160 | 1-5 | DUMSU Architects Off. | Calusa Const'n. | 1983 |
| 7. Elementary School Building Annex | Academic | 2,160 | 2 | DUMSU Architects Off. | - | 1981 |
| 8. Harcos Complex | Sports Facility | 1,420 | 2 | Ventura Arch'tl Firm | R. P. V. H. | 1977 |
| 9. Commission on Audit Office | Administrative | 1,862 | 1 | Administration | Administration | 1970 |
| 10. FTC Administration | Administrative | 125 | 1 | DUMSU Architects Off. | Administration | 1979 |
| 11. Administration Building/Library | Administrative | 350 | 1 | M. P. V. H. | M. P. V. H. | 1979 |
| 12. Adminstrative Building | Administrative | 931 | 2 | DUMSU Architects Off. | Homeo C. So. Ass. | 1979 |
| 13. Farmer's Training Center | Administrative | 840 | 1 | DUMSU Architects Off. | - | 1979 |
| 14. FTC CABA/ILLA Hall | Conventional Hall | 756 | 1 | DUMSU Architects Off. | - | 1979 |
| 15. FTC Dormitory | Residential | 900 | 2 | DUMSU Architects Off. | - | 1979 |
| 16. Presidential Cottage | Residential | 460 | 2 | DUMSU Architects Off. | - | 1982 |
| 17. Imelda Residence Hall | Residential | 500 | 1 | PRL Staff | - | 1979 |
| 18. Doña Aurora Dormitory | Residential | 400 | 1 | - | Administration | 1975 |
| 19. Doña Trining Dormitory | Residential | 525 | 1 | - | Administration | 1977 |
| 20. Sampaguita Dormitory | Residential | 315 | 1 | - | Administration | 1977 |
| 21. Golden Shower Dormitory | Residential | 490 | 1 | - | Administration | 1977 |
| 22. Ilang-Ilang Dormitory | Residential | 480 | 2-5 | DUMSU Arch. Office | - | 1982 |
| 23. Sports Center - Gymnasium | Sports Facility | 1,200 | 1 | DUMSU Arch. Office | - | 1978 |
| 24. Pealty Project | Administration Project | 240 | 1 | No Plan | Administration | 1975 |
| 25. Poultry Project | Administration Project | 60 | 1 | No Plan | Administration | 1975 |
| 26. Poultry House | Administration Project | 120 | 1 | No Plan | Administration | 1975 |
| 27. Pealty House | Administration Project | 60 | 1 | No Plan | Administration | 1979 |
| 28. Old Poultry House | Administration Project | 240 | 1 | No Plan | Administration | 1989 |
| 29. Figgery | Administration Project | 300 | 1 | No Plan | Administration | 1974 |
| 30. Goat Ranch | Administration Project | 100 | 1 | No Plan | Administration | 1978 |
| 31. Cattle Ranch | Administration Project | 60 | 1 | No Plan | Administration | 1976 |
| 32. Men Staff Apartment | Residential | 612 | 2 | DUMSU Arch. Office | Administration | 1980 |
| 33. Four-Door Apartment | Residential | 120 | 1 | DUMSU Arch. Office | Administration | 1977 |
| 34. 15-Door Employee Apartment | Residential | 847 | 1 | No Plan | Administration | 1977 |
| 35. Guest House (Renovation) | Residential | 124 | 2 | DUMSU Arch. Office | - | 1978 |
| 36. Five-Door Staff Apartment | Residential | 395 | 1 | DUMSU Arch. Office | Calusa Const'n. | 1983 |
| 37. Staff Cottages (15 Units) | Residential | 1,012 | 1/unit | No Plan | Administration | 1975 |
| 38. Acadia Residence Hall (Men's Dorm.) | Residential | 600 | 1 | DUMSU Arch. Office | Administration | 1975 |
| 39. Teakwood (Hilltop) (Men's Dorm.) | Residential | 274 | 1 | No Plan Available | Administration | 1978 |
| 40. Ipal Dormitory (Men's Dorm.) | Residential | 204 | 1 | DUMSU Arch. Office | - | 1980 |
| 41. Kitchen/Joining (Ipal) | Administration Project | - | 1 | No Plan | Administration | 1978 |
| 42. Molave Villages (Boy's Cottages) | Residential | - | 1 | No Plan | Administration | 1977 |
| 43. Marra Villars (Boy's Cottages) | Residential | - | 1 | No Plan | Administration | 1977 |
| 44. Mullberry Villages (Boy's Cottages) | Residential | - | 1 | No Plan | Administration | 1977 |
| 45. Home-Making Building | Academic/Shops | 200 | 1 | No Plan | Administration | 1978 |
| 46. Farmshop Building | Academic/Shops | 495 | 1 | No Plan | Administration | 1970 |
| 47. Practice House | Academic/Shops | 54 | 1 | No Plan | Administration | 1977 |
| 48. Warehouse (Const'n. Material) | Storage Building | 315 | 2 | DUMSU Arch. Office | Administration | 1976 |
| 49. Greenhouse | Plant Facility | 90 | 1 | No Plan | Administration | 1978 |
| 50. Model Farm House | Plant Facility | 42 | 1 | No Plan | Administration | 1982 |
| 51. Compost House | Adm. Project | 30 | 1 | No Plan | Administration | 1982 |
| 52. Plus Curing Barn | Adm. Project | 10.50 | 1 | No Plan | Administration | 1982 |
| 53. Hog House | Adm. Project | 60 | 1 | No Plan | Administration | 1982 |
| 54. Duplex Staff Cottages (4 Units) | Residential | 312 | 1/unit | No Plan | Administration | 1971 |
| 55. Staff Cottages (15 units) | Residential | 560 | 1/unit | No Plan | Administration | 1976 |
| 56. Sapling Falls Complex (Swimming Pool, Rest House, Gate, etc) | Recreational | 45 | one level | DUMSU Arch. Office | Administration | 1979 |
| 57. Gate Guard Houses/Check Point | Others | 13.50 | 1/unit | No Plan | Administration | 1983 |
| 58. Welcome Arch | Recreational | 9 meter Span | - | DUMSU Arch. Office | Administration | 1978 |
| 59. Viewing Deck No. 2 | Administration Proj. | 42 | - | DUMSU Arch. Office | Administration | 1981 |
| 60. FLDT Station (BLISS II) | Administration Proj. | 42 | - | DUMSU Arch. Office | Administration | 1981 |

10) Outline of Existing Utility Services in the DMMMSU

1. Electricity

| | | |
|------------------------------|-------------------------------------|---|
| a. Transformer Capacity | 10 KVA | 4 |
| and Numbers | 15 KVA | 7 |
| | 25 KVA | 5 |
| | 50 KVA | 1 |
| | 75 KVA | 3 |
| b. Primary/Secondary Voltage | 4160V/240V | |
| c. Frequency | 60 HZ | |
| d. Max. Primary Current | 15A (4160V) | |
| e. Incom Wiring Size | Overhead Service 3 ϕ 3W, No. 2 | |

2. Telephone

| | |
|--------------|--------------|
| a. City Line | 4 Line |
| b. Telephone | 14 |
| c. System | Party System |

3. Water Supply

| | |
|--------------------------------|-----------------|
| a. Main Pipe | 4" - 1-1/2" |
| b. Capacity of Water Reservoir | 150,000 Gallons |
| c. Depth of Deep Well | 120 ft, 285 ft |

4. Sewerage

a. none

5. Gas

a. Cylinder Gas LPG 50kg Cylinder

6. Garbage

a. none

11) Photos of existing facilities of University Site



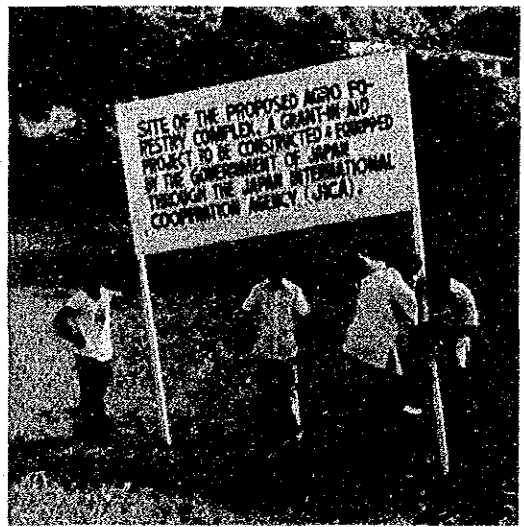
Site of the Complex



Site for the Field Workshop



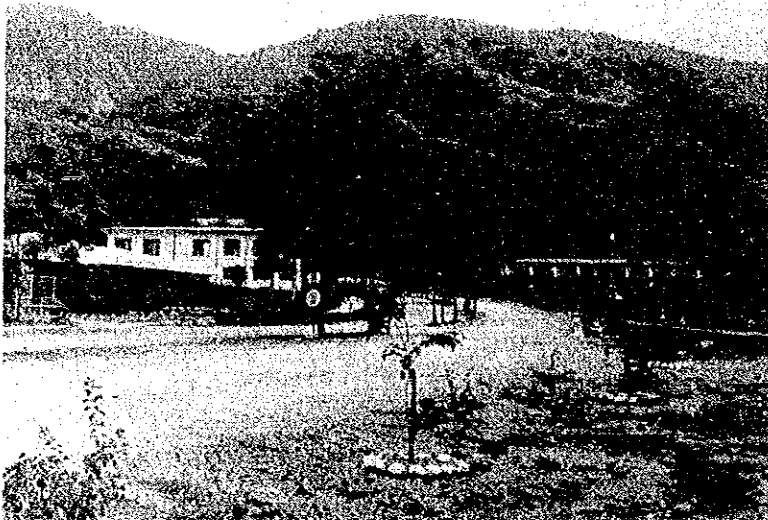
Site for the Field Workshop/Garage



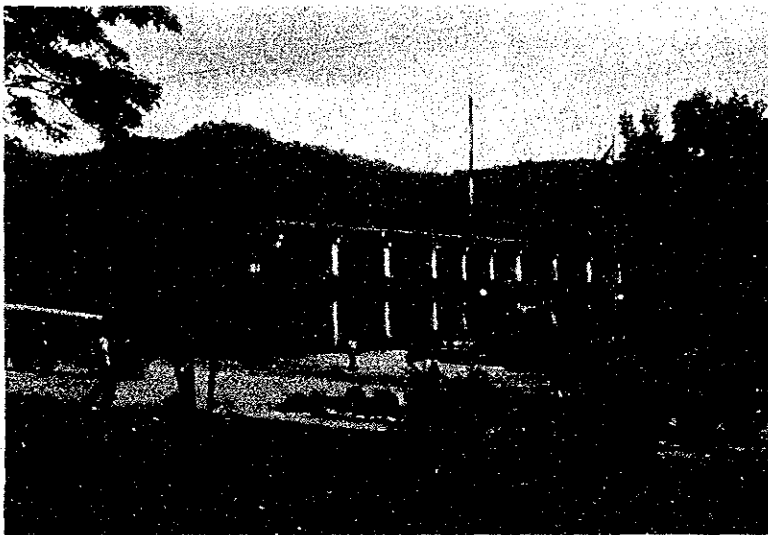
Site for the Complex



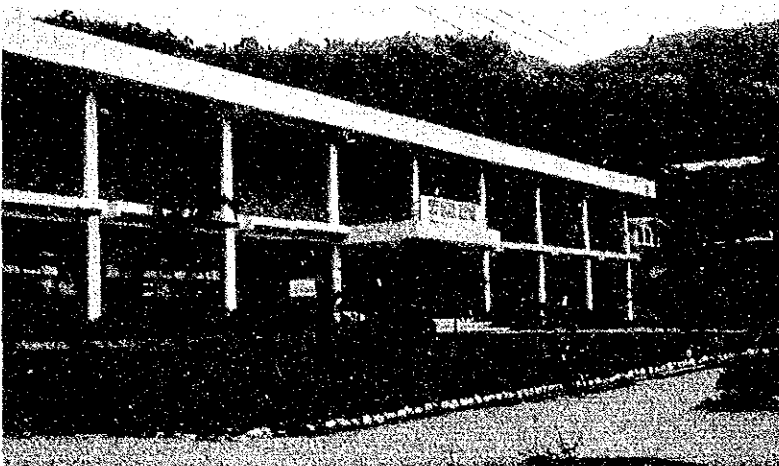
Overview of the Bacnotan Campus



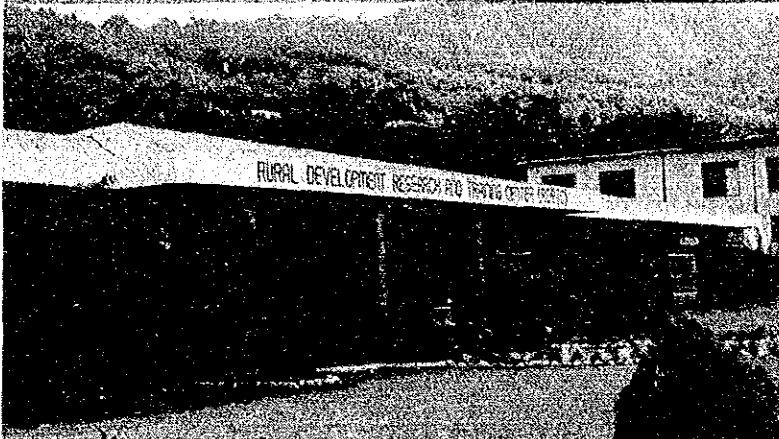
Main Approach



Administration Building



Agricultural Science High School



Rural Development Research & Training Center



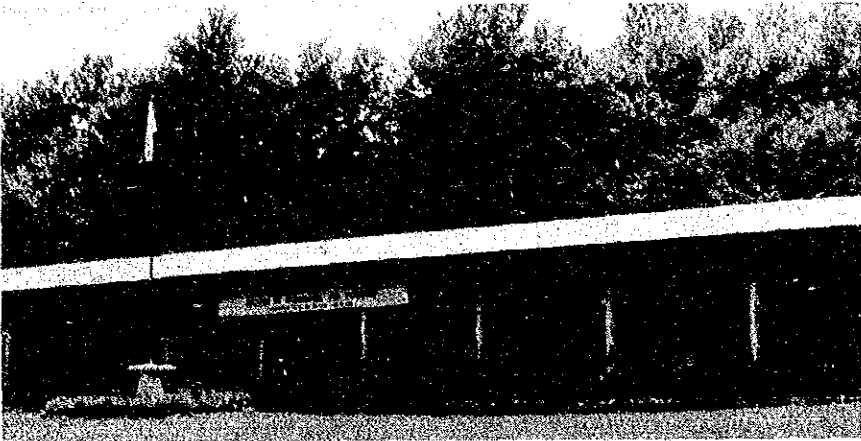
Agro-Engineering Building



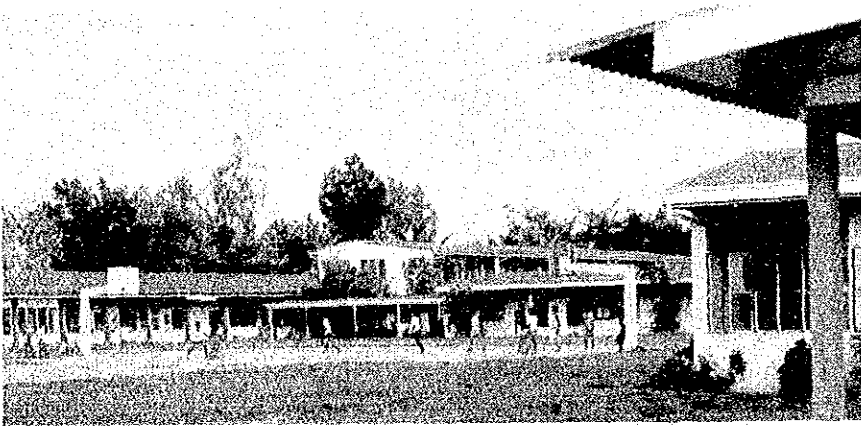
Agricultural Building



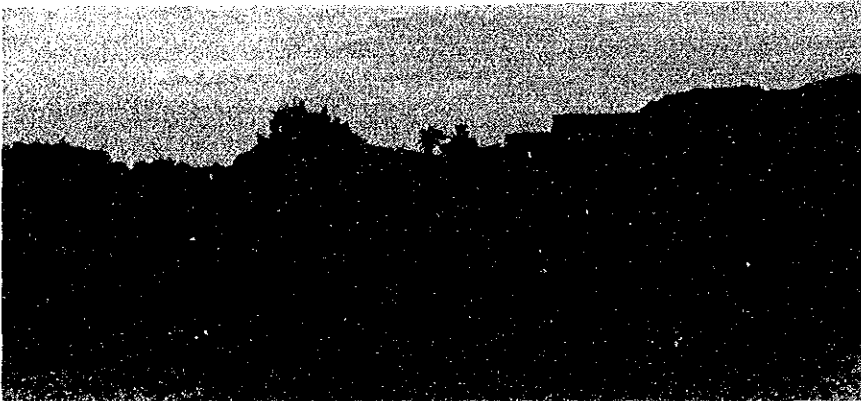
College of Engineering &
Technology, San Fernando



College of Agriculture &
Forestry, Rosario



College of Fisheries,
St. Thomas



College of Arts & Sciences,
Agoo

12) Data on Water Analysis on University Site

Republic of the Philippines
 Ministry of Health
 Regional Health Office No. I
 (Regional Tertiary)
 Department of LABORATORIES
 San Fernando, La Union

WATER QUALITY EXAMINATION REPORT

Report No. 121 to 133
 Date of Report: 8-29-83

TO: the municipal Health Officer
Sacnotan, La Union

No. of samples: 13 From Sacnotan, La Union
 Date of collection: 8-29-83 Date Exam.: 8-29-83
 Appearance: 121 to 133 = slightly Turbid Sedimen: 121 to 133 = Present

| S A M P L E S | Colonies per ml or Agar 37 c | Lactose Broth | | Completed Test |
|---|------------------------------------|---------------------|----------|----------------------------|
| | | Gas 37 c 24 hrs. | 48 hrs. | |
| 121-DMMSU, Sacnotan Peak good well | 190col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 122-Arosia and Deep Well | 260col/cc | POSITIVE | POSITIVE | POSITIVE (Intermediate) |
| 123-Well 1 well DMMSU, Sacnotan | 130col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 124-DMMSU, Sacnotan Manglost II Improved Spring | TNTC | POSITIVE | POSITIVE | POSITIVE (Intermediate) |
| 125-Sacnotan, DMMSU Sacnotan, La Union | 60col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 126-Plant Science Improved Spring - DMMSU, Sctn. | 180col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 127-Pedology Improved Spring, Sacnotan | 90col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 128-Arosia Mangarit Camasa- bitaan-DMMSU, Sctn. | 390col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 129-Diggery Improved DMMSU, Sacnotan | 150col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 130-Faculty Village DMMSU, Sacnotan | 290col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 131-Narra Improved DMMSU, Sacnotan | 60col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 132-Narra II Improved DMMSU, Sacnotan | 190col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |
| 133-Arosia Gorm. Improved Spring-DMMSU, Sctn. | 180col/cc | POSITIVE | POSITIVE | POSITIVE (Enterobacter) |

REMARKS: NEGATIVE FOR E COLI. SAMPLES NO. 121 to 133

(SGO) TERESITA RIOFLORIDO
 Examiner
 Medical Technologist

Noted: (SGO) MARIO S. LUANTES, M.D.
 -221- Acting Chief of Laboratory Services

13) Meteorological Data of Region I

(1951-1970)

| | Jan. | Feb. | Mar. | Apr. | May. | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| <u>Temperature (°C)</u> | | | | | | | | | | | | |
| 1. ABRA | 25.5 | 25.4 | 27.0 | 28.5 | 29.1 | 27.7 | 28.2 | 27.6 | 27.3 | 27.5 | 26.6 | 25.6 |
| 2. LA UNION | 19.2 | 19.8 | 21.5 | 22.8 | 23.0 | 22.0 | 20.0 | 19.0 | 19.5 | 20.0 | 19.5 | 19.5 |
| 3. PANGASINAN | 26.1 | 26.7 | 28.3 | 29.6 | 29.7 | 28.8 | 28.3 | 27.8 | 27.9 | 28.2 | 27.4 | 26.7 |
| 4. MT. PROVINCE | 21.5 | 20.8 | 21.5 | 23.5 | 24.5 | 23.8 | 24.8 | 26.0 | 24.0 | 23.0 | 22.3 | 21.5 |
| 5. ILOCOS SUR | 25.5 | 26.0 | 27.2 | 28.4 | 28.9 | 27.8 | 27.3 | 26.8 | 26.8 | 27.3 | 26.8 | 26.1 |
| 6. ILOCOS NORTE | 24.4 | 24.8 | 26.4 | 28.0 | 28.9 | 28.2 | 27.7 | 27.4 | 27.2 | 27.2 | 26.5 | 25.4 |
| 7. KALINGA-APAYO | 24.8 | 25.0 | 27.0 | 29.0 | 29.2 | 28.0 | 28.2 | 27.9 | 27.7 | 27.5 | 26.7 | 25.6 |
| 8. IFUGAO | 21.5 | 20.5 | 21.5 | 24.0 | 24.5 | 23.2 | 23.5 | 24.0 | 24.5 | 23.5 | 22.2 | 22.0 |
| 9. BAGUIO, BENGUET | 17.8 | 18.3 | 19.5 | 20.3 | 20.4 | 19.8 | 19.4 | 19.0 | 19.1 | 19.4 | 18.9 | 18.4 |
| <u>Humidity (%)</u> | | | | | | | | | | | | |
| 1. BAGUIO, BENGUET | 79 | 78 | 79 | 81 | 85 | 88 | 90 | 92 | 91 | 87 | 82 | 80 |
| 2. DAGPAN, PAGASINAN | 73 | 72 | 71 | 70 | 74 | 80 | 83 | 85 | 84 | 79 | 77 | 75 |
| 3. LAOAG, ILOCOS NORTE | 73 | 72 | 72 | 71 | 75 | 82 | 84 | 86 | 86 | 78 | 75 | 74 |
| 4. VIGAN, ILOCOS SUR | 76 | 76 | 76 | 76 | 77 | 83 | 86 | 87 | 87 | 81 | 78 | 78 |
| <u>Rainfall (mm)</u> | | | | | | | | | | | | |
| 1. ABRA | 29.4 | 14.1 | 48.8 | 152.8 | 371.0 | 515.2 | 602.2 | 702.4 | 532.8 | 210.8 | 123.6 | 28.0 |
| 2. LA UNION | 8.1 | 6.9 | 9.4 | 22.3 | 180.3 | 330.2 | 603.5 | 671.1 | 403.3 | 142.7 | 49.0 | 19.3 |
| 3. PANGASINAN | 4.0 | 8.3 | 22.4 | 86.5 | 211.5 | 346.5 | 433.9 | 541.6 | 370.3 | 140.6 | 64.9 | 17.2 |
| 4. MT. PROVINCE | 15. | 25. | 55. | 105. | 200. | 230. | 450. | 450. | 300. | 210. | 140. | 50. |
| 5. ILOCOS SUR | 0.9 | 1.7 | 7.1 | 21.9 | 127.8 | 420.1 | 474.3 | 704.3 | 407.0 | 79.3 | 40.5 | 10.8 |
| 6. ILOCOS NORTE | 4.2 | 0.8 | 2.5 | 13.7 | 122.2 | 436.0 | 404.3 | 565.8 | 389.6 | 65.6 | 50.0 | 11.9 |
| 7. KALING-APAYAO | 35. | 30. | 55. | 80. | 250. | 400. | 500. | 550. | 300. | 200. | 250. | 75. |
| 8. IFUGAO | 30. | 25. | 55. | 105. | 250. | 300. | 450. | 600. | 350. | 220. | 150. | 50. |
| 9. BAGUIO, BENGUET | 11.0 | 11.3 | 38.7 | 104.8 | 288.4 | 476.3 | 576.8 | 817.5 | 670.9 | 257.4 | 142.5 | 26.6 |

14) Agroforestry Field Training Programs of the University

NUMBER OF FIELD TRIPS PER SEMESTER (PROPOSED)

| SUBJECTS | PLACES VISITED | NO. OF STUDENTS | NO. OF TRIPS PER SEMESTER |
|-------------------------------|--|-----------------|---------------------------|
| <u>*FIRST SEMESTER</u> | | | |
| Introduction to Agroforestry | *Mountain State Agricultural College, La Trinidad, Benguet | | |
| | *Pagudpod Agroforestry Project, Ilocos Norte | 30 | 2 |
| Silviculture | *Manila Seedling Bank | | |
| | *Forestry Research Institute, Baguio City | | |
| | *Mangrove Forest Research Centre, Pagbilao, Quezon | 35 | 1 |
| Highland Agronomy | *MSAC, La Trinidad, Benguet | | |
| | *BFD, Pacdal Baguio City | 30 | 1 |
| Forest Laws and Policies | *BFD Regional Office, Dagupan City | | |
| | *FDC UPLB, Los Baños Laguna | 30 | 2 |
| Crop Processing Technology II | *FORPRIDECOM, Los Baños Laguna | | |
| | *National Housing Corp., Bulacan | 30 | 1 |
| Handicraft Technology II | *NACIDA, Pacdal Baguio City | | |
| | *NACIDA, Abra Province | | |
| | *NACIDA, Pangasinan Province | 35 | 2 |
| Elective II | *Parks and Wildlife Office | 30 | 1 |

| SUBJECTS | PLACES VISITED | NO. OF STUDENTS | NO. OF TRIPS PER SEMESTER |
|----------------------------------|---|-----------------|---------------------------|
| <u>*SECOND SEMESTER</u> | | | |
| Forest Ecology | *University of the Philippines Los Baños, Laguna *Mangrove Forest Research Centre, Pagbilao, Quezon *Forest Research Institute Baguio City | 35 | 2 |
| Information Technology | *San Fernando La Union *Agoo, La Union | 30 | 4 |
| Arboriculture | *UPLB-CF Los Baños, Laguna | 30 | 1 |
| Crop. Protection | *International Rice Research Institute, Laguna | 30 | 1 |
| Crop. Processing Technology I | *MSAC, La Trinidad, Benguet | 35 | 1 |
| Watershed Mgt. | *Pantabangan Dam, Nueva Ecija *WMECP, Caranglan, Nueva Ecija | 30 | |
| Handicraft Technology I | *NACIDA Offices | 35 | 1 |
| Social Forestry | *Rural Areas/Suburbs | 35 | 4 |
| Forest Management | *UPLB-CF Los Baños, Laguna | 35 | 2 |
| Range Management | *Bolong's Range Farm, Balaoan, La Union *Alabang Farm, Rizal Province | 30 | 1 |

| SUBJECTS | PLACED VISITED | NO. OF STUDENTS | NO. OF TRIPS PER SEMESTER |
|----------------|---|-----------------|---------------------------|
| <u>*SUMMER</u> | | | |
| Dendrology | *Univeristy of the Philippines, College of Forestry, Los Baños, Laguna *Mangrove Forest Research Centre, Pagbilao, Quezon | 35 | 1 |
| Practicum | *Logging Companies in; Cagayan Province Isabela Province Benguet Province Abra Province Mindanao | 35 | 1 |

15) Crops of Region I

CROPS PLANTED IN THE UPLAND
OF REGION I

CASE CROPS

GARLIC
BULB ONION
SWEET POTATO
CABBAGE
PEACHAY
RADISH
AMPALAYA
CUCUMBER
PATOLA
BUSH SQUASH
UPO
WATERMELON
CORN
RICE
COWPEA
WINGED BEAN
EGGPALNT
SITAO
OKRA
IRISH POTATO
SWEET PEPPER
BLACK PEPPER
TOMATO
CASSAVA
GINGER
PINEAPPLE
TARO
PEANUT

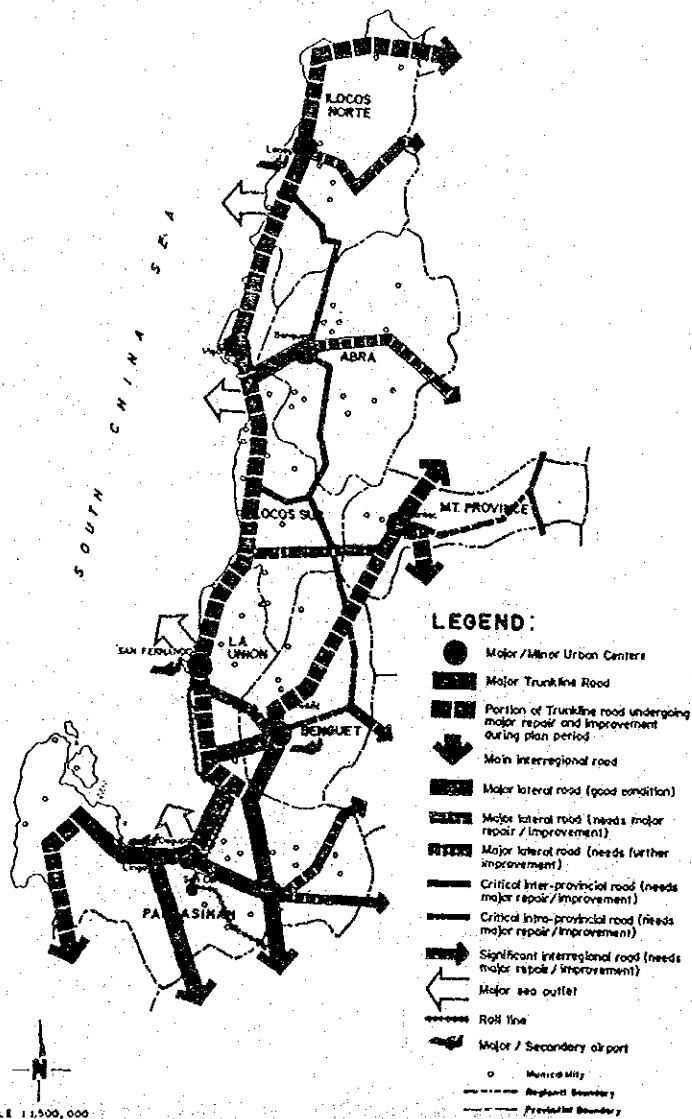
FRUIT TREES

MANGO
SANTOL
ORANGE
CALAMANSI
JACKFRUIT
GUAVA
GUYABANO
SINEGUELAS
STARAPPLE
DUHAT
TAMARIND
CASHEW

FOREST TREES

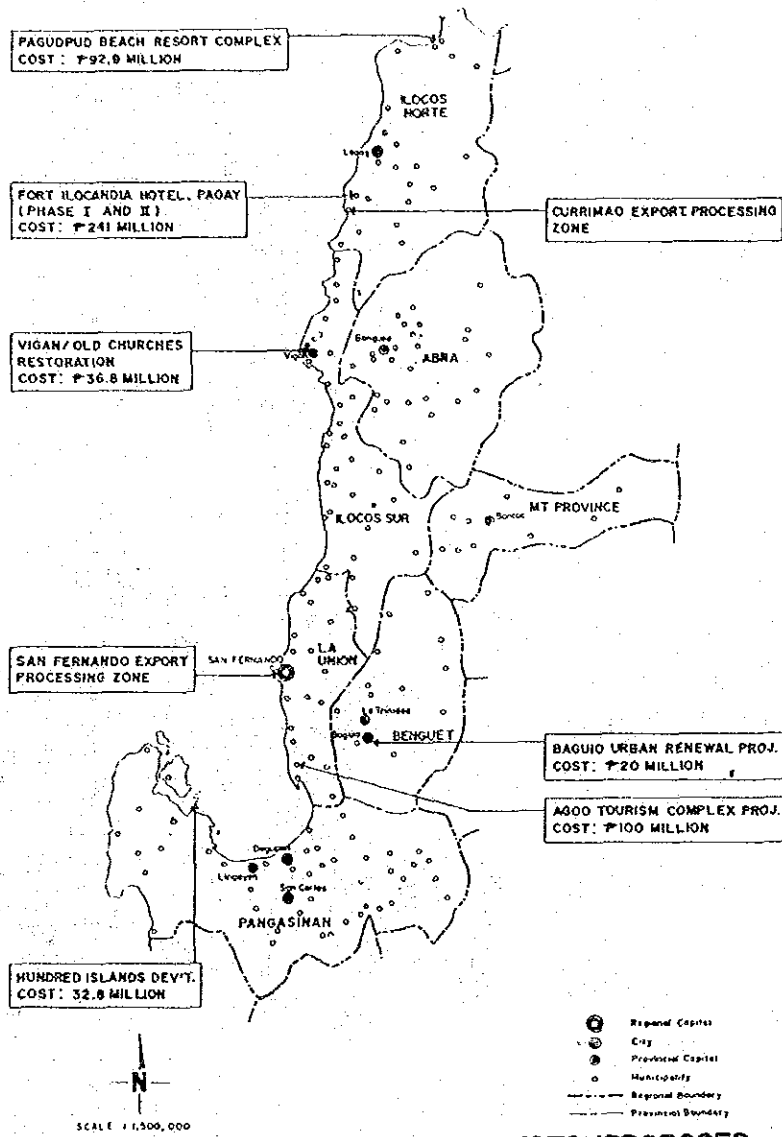
NATIVE IPIL-IPIL
GLANT IPIL-IPIL
NARRA
MOLAVE
MAHOGANY
TEAK
YEMANE
FALCATA
RAINTREE
AGOHO
TALISAY
BUCALYPUTUS
PEACNET PINE
ALNUS
BAORAS

16) Transportation Status of Region I



MAJOR TRANSPORTATION FACILITIES, FUNCTIONAL ROLES AND CONDITION, REGION I

17) Infrastructural Plans for Region I



MAJOR INDUSTRIAL & TOURISM PROJECTS (PROPOSED, PIPELINE, ONGOING) FOR IMPLEMENTATION IN REGION I CYS 1983 TO 1987

18) Status of Forests in Region I

EXISTING REGIONAL CONDITION IN FORESTRY

| | |
|---|---------------------|
| Region I. Total Forest Land Area | - 12,432.99 sq. Km. |
| 1. Commercial Forest | - 12% |
| 2. Non-Commercial Forest | - 11% |
| 3. Cogon or Open Bush Lands | - 16% |
| 4. Plantation Forest | - 7% |
| 5. Kaingin Cultivation | - 4% |
| 6. Forest Reserves (Mossy forest, roads and trails) | - 50% |

Forest Products:

1. Logs 165,050 cu. meters
2. Lumber 19,190,000 bd ft.
3. Rattan
4. Oleoresin
5. Bamboo
6. Pulp wood
7. Bamboo
8. Bolo
9. Nipa Shingles
10. Anos
11. Bikal
12. Charcoal
13. Firewood
14. Plywood
15. Veneer
16. Poles, Piles and Posts

Manufactures/Forest based Industries

1. Wood Carvings
2. Lumber Manufacture/Sawmills
3. Wood Furniture Making
4. Wood containers
5. Wood Fuel
6. Pulp and Paper Industries/Making
7. Mine Timber
8. Charcoal Making
9. Bakya Making
10. Handicraft Making

Total Land Area - Region I (15,684.5 sq. Km.)

FORESTRY PRODUCTION

| ITEM | UNIT OF MEASURE | FY - 1982 |
|-----------------|-----------------|-----------|
| Sawtimber | Cubic Meters | 57,982.91 |
| Pulpwood | - do - | 1,652.30 |
| Poles and Piles | - do - | 52.38 |
| Firewood | - do - | 902.38 |
| Charcoal | - do - | 198.28 |
| End Trimmings | - do - | - |
| Round Logs | - do - | - |
| Plywood | Board Feet | - |
| Lumber | - do - | 33,609.09 |
| Bamboo | Pieces | 66,250.00 |
| Buho | - do - | 22,910.00 |
| Bikal | - do - | - |
| Ligtang | - do - | - |
| Nipa Shingles | - do - | 500.00 |
| Palmagrava | - do - | 10,668.00 |
| Anoc | - do - | - |
| Rattan | - do - | 15,245.00 |

EFFECTIVE DEMAND: PROJECTED (MT)

| COMMODITY | (a) ANNUAL PER CAPITA | 1983 |
|-------------------------|--------------------------|------------|
| A. CEREALS | | |
| 1. Rice | .1338 | 498,536.79 |
| 2. Corn | .004 | 14,903.94 |
| B. VEGETABLES | .0591 | 220,205.71 |
| 1. Leafy/yello | .015 | 55,889.78 |
| 2. Fruit vegetables | .0245 | 91,286.63 |
| 3. Leguminous | .0072 | 26,827.09 |
| 4. Roots, Bulbs Itubers | .0124 | 46,202.21 |
| C. FRESH FRUITS | .0226 | 84,207.26 |
| D. CASHCROPS | | |
| 1. Tobacco | | |
| 2. Cotton | 400,000.02 | - |
| 3. Sugar | .0103 | 38,377.64 |
| 4. Garlic | - | - |
| E. POULTRY/LIVESTROCK | | |
| 1. Pork Meta | .008 | 29,987.88 |
| 2. Beef/Carabeef | .0028 | 10,432.76 |
| 3. Poultry Meat | .0029 | 10,805.36 |
| 4. Goat (Chevron) | - | - |
| 5. Eggs | .0033 | 12,295.75 |
| F. FISH/SEAFOODS | .0194 | 72,284.11 |

- Sources: 1. Regional Consumption Patterns for major foods
(Except as indicated by E.F. iviguetero, et al.)
2. As per rated capacity of textiles mills
(400,000 MT of lint)
3. (a) Multiplied by projected population

AGRICULTURAL PRODUCTS - 1982/83

Play irrigated - 431,739 MT Area Planted (AR) 161,700 Ha
2.67 MT/Ha

Unirrigated - 363,381.6 MT 197,490 Ha
1.84 MT/Ha

Corn - 51,410 MT Area Planted (AR) 61,850 Ha
0.83 MT/Ha

Fruits and Nuts - 308,334 MT AP - 28,220 Ha

Citrus - 5,622 MT AP - 2,200 Ha

Root Crops - 114,398 MT AP - 15,430 Ha

Vegetables - 114,398 MT AP - 18,440 Ha

Onions - 14,375 MT AP - 1,560 Ha

Ginger - 858 MT AP - 180 Ha

Irish Potatos - 31,544 MT AP - 2,940 Ha

Beans & Peas - 15,710 MT AP - 15,080 Ha

JICA