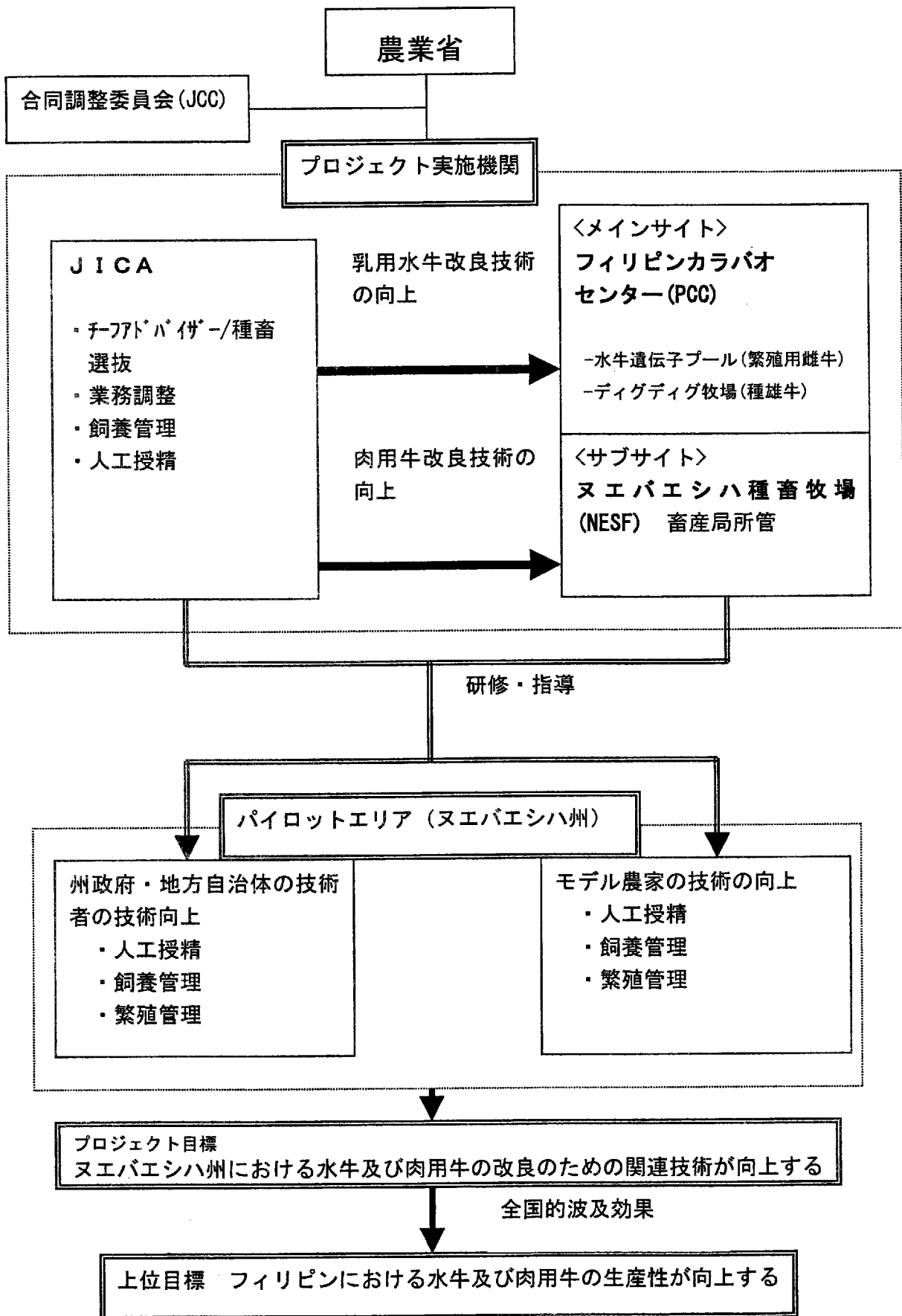
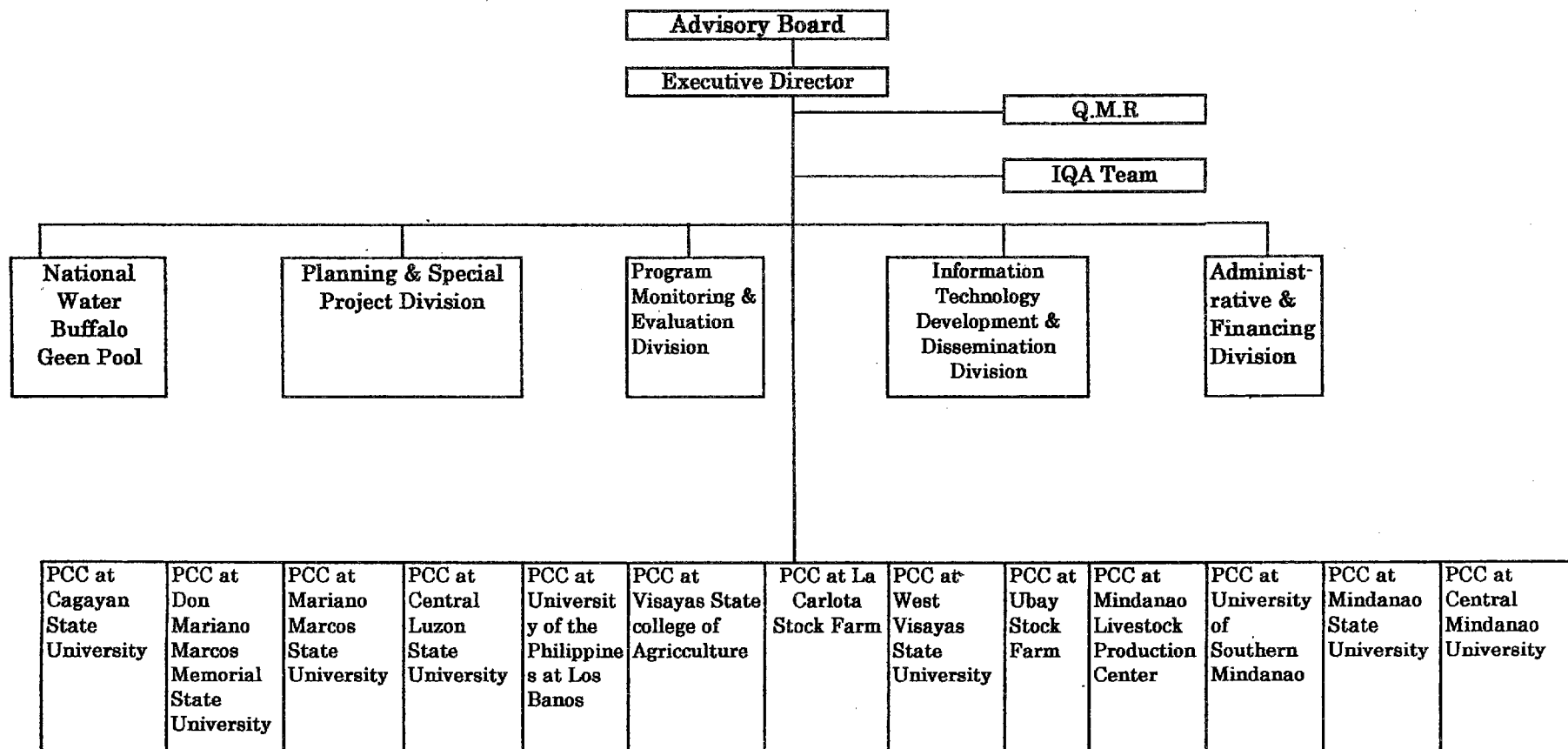


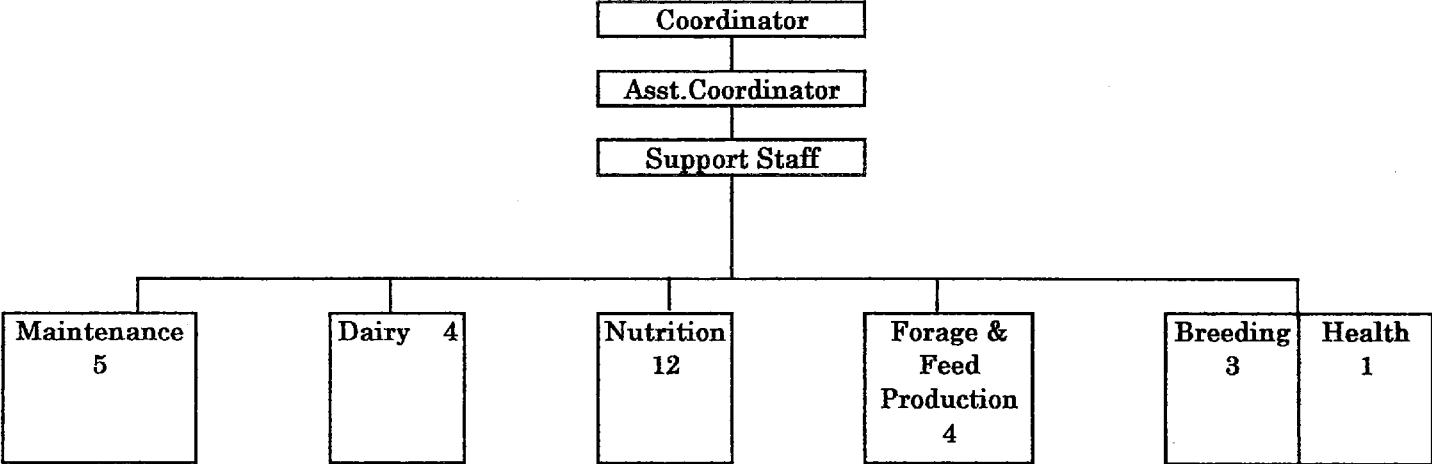
3. プロジェクト体制図



Philippine Carabao Center Organization Chart

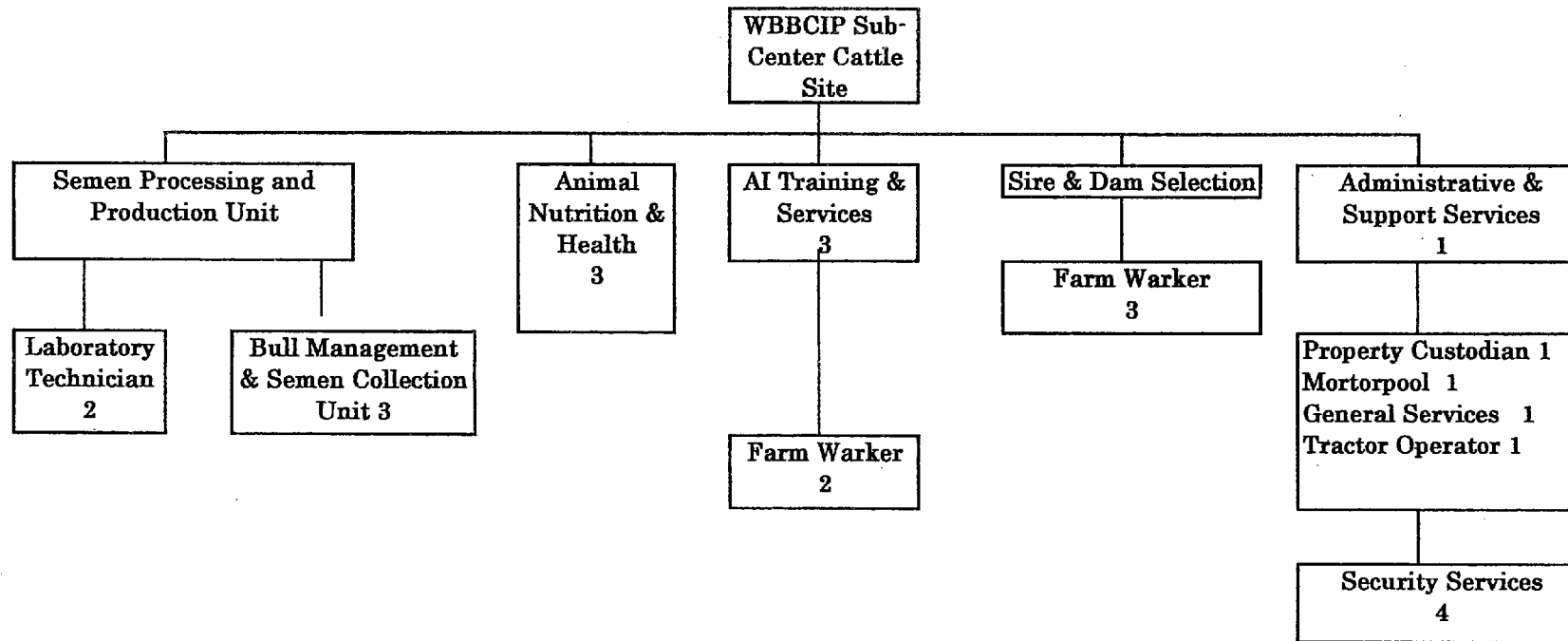


PCC GENE-POOL Organization Chart



(2) 水牛遺伝子プール

Nueva Ecija Stock Farm
Technical Staff



※プロジェクト開始時、NESFには場長を含め正規3名、契約職員10名、計13名であったが、2001年4月増員及び契約ベース職員の正規採用、更に契約ワーカーが増員現在の25名体制が整った。

MEMORANDUM OF AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

This Memorandum of Agreement, made and entered into by and among:

The **Philippine Carabao Center**, with office address at Science City of Munoz, Nueva Ecija represented herein by its Director, **Dr. Libertado C. Cruz**, herein referred to as the **PCC**;

The **Bureau of Animal Industry**, with office address at Visayas Avenue, Diliman, Quezon City represented herein by its Director, **Dr. Jose Q. Molina**, herein referred to as the **BAI**;

and

The **Provincial Government of Nueva Ecija** with office address at Cabanatuan City, Nueva Ecija represented herein by its Governor, **Hon. Tomas N. Joson III**, herein referred to as the **LGU**;

WITNESSETH

Whereas, the parties herein, aware of the role of Agricultural Development as the key that will propel progress in the countrysides;

Whereas, the **PCC** and the **BAI** are two agencies of the Department of Agriculture, are pursuing rural-based development strategies to improve household income, by promoting programs and projects that will enhance livestock productivities;

Whereas, on July 12, 2000 **PCC** and **BAI** have entered into an Agreement with the Government of Japan through the Japan International Cooperation agency (JICA) to implement a five-year project called the **Water Buffaloes and Beef Cattle Improvement Project (WBBCIP)**;

Whereas, the **WBBCIP** have identified the Province of Nueva Ecija as its pilot area;

Whereas, the parties herein recognizing the importance of complementation of resources in the development of the livestock sector, agree to support and strengthen the implementation of the **WBBCIP** that will provide farmers access to improved technologies on water Buffaloes and Beef cattle production.



Now, Therefore, for and in consideration of the above premises and mutual covenants herein set forth, the parties hereto have agreed and do hereby agree as follows:

I. The Project

The project aims at developing/improving relevant techniques at the project sites in the areas of sire and dam selection, feeding and management techniques and artificial insemination.

II. Expected Outputs of the Project

By year 2005 the Project have:

1. Improved techniques in sire and dam selection for water buffaloes and beef cattle at the National Water Buffaloes Gene Pool, **PCC** and at Nueva Ecija Stock Farm, **BAI**, respectively;
2. Improved the feeding and management techniques and related teaching skills of the **PCC**, **BAI** and **LGU** technicians.
3. Improved the Artificial Insemination techniques of the **PCC**, **BAI** and **LGUs**.
4. Improved training programs for farmers.

III. Obligations.

Pursuant to the Records of Discussion signed on July 12, 2000 and the Minutes of Understanding of August 1,2001, the **PCC** and the **BAI** shall:

1. Provide Project personnel
2. Make available land, buildings and facilities.
3. Operating budget.
4. Supplies for frozen semen production.

As support to the **WBBCIP**, the **LGU**; shall:

1. Identify three "Associate Project Counterparts" at the Office of the Provincial Veterinarian for Sire and Dam selection, Artificial Insemination and Feeding and Management.
2. Send technicians to training programs of the Project.
3. Transfer knowledge acquired to model farmers and disseminate techniques to other farmers of the province.

GA

Handwritten signatures and initials on the right side of the page, including a large signature at the bottom right.

4. Facilitate the completion of the access bridge to the NESF and subject to the Province's resources, include the development of road and electricity going to the farm and its nearby communities.
5. Provide mobility for the technicians of the Provincial Veterinarian, in the form of four (4) motorcycles and one (1) service vehicle.

IV. Yearly Review

One year from the start of the Project and every year thereafter, at the request of any party, a review of the project maybe conducted.

V. Amendment

The parties hereto may, upon mutual agreement, modify this Memorandum of Agreement at any time by or through an addendum duly signed by the parties affected herein.

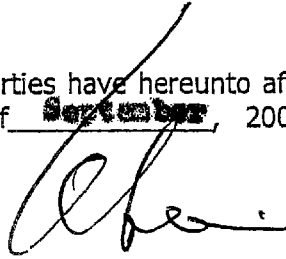
VI. Effectivity

This Memorandum of Agreement shall take effect upon the signing hereof by the parties and shall continue to be enforced until the termination of the project unless otherwise modified or amended.

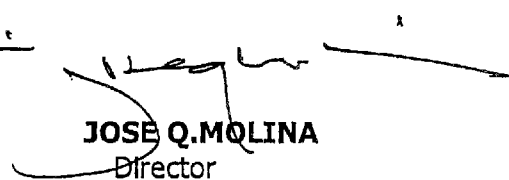
In witness whereof, the parties have hereunto affixed their signatures on this 5th day of September, 2001 at Nueva Ecija, Philippines.



TOMAS N. JOSON III
Governor
Province of Nueva Ecija



LIBERTADO C. CRUZ
Executive Director
Philippine Carabao Center



JOSE Q. MOLINA
Director
Bureau of Animal Industry

Witness:



RUBEN T. HERNANDEZ
Provincial Veterinarian



RUBINA O. CRESENCIO
Project Manager



MARTINIANO F. DELA CRUZ
Chief, Livestock Development
Division

Procesadora
MA. VICTORIA B. AMARIS
Project Secretary

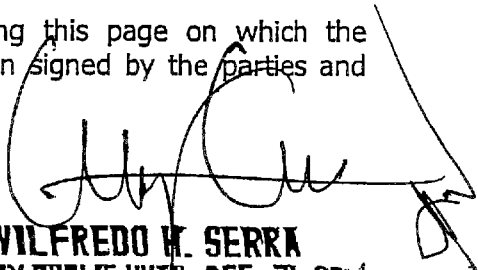
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Republic of the Philippines)
) S.S.
~~City of San Jose~~

ACKNOWLEDGMENT

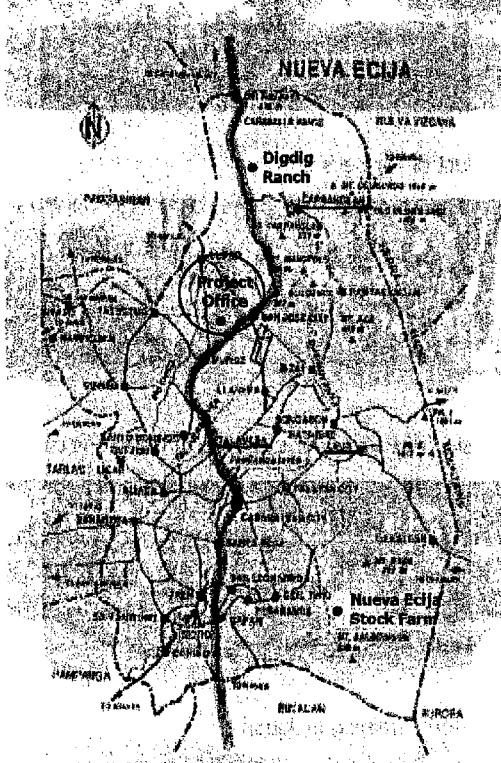
On this ~~24th~~ day of ~~September~~, 2001 at ~~San Jose City~~, personally appeared before me, **Gov. Tomas N. Josos III**, Governor of the Province of Nueva Ecija, with Residence Certificate No. 17900960 issued at *Cabanatuan City* on *January 15, 2001* and **Dr. Libertado C. Cruz**, Executive Director of the Philippine Carabao Center (PCC), Science City of Muñoz, Nueva Ecija, with Residence Certificate No. 19871958 issued at *Muñoz, Nueva Ecija* on *January 3, 2001* and **Dr. Jose Q. Molina**, Director of the Bureau of Animal Industry (BAI), Visayas Avenue, Diliman, Quezon City, with Residence Certificate No. 08601509 issued at *Los Baños, Laguna* on *February 17, 2001* known to me the same person who executed the foregoing Memorandum of Agreement and who acknowledged to me that the same is their free act and deed.

This instrument consists of 4 pages including this page on which the acknowledgement is written, each of which has been signed by the parties and their witnesses and sealed with my Notarial Seal.


WILFREDO M. SERRA
NOTARY PUBLIC UNTIL DEC. 31, 2001
PTR NO 615255 SAN JOSE CITY I. P. D.
PTR No.: _____

Doc. No. 259
Page No. 34
Book No. 2227
Series of 2001

Map of the Province of Nueva Ecija



Project Sites

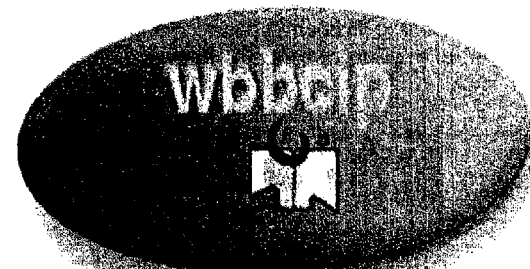
For more information, please see or
Contact us at:

WBBCIP-JICA Project Office
Philippine Carabao Center
Science City of Muñoz, Nueva Ecija
Tel. Nos. 63(044) 456-0734
63(044) 456-07-31 to 33 loc. 233
E-mail: jica-pcc@mozcom.com

Nueva Ecija Stock Farm-
Bureau of Animal Industry
General Tinio, Nueva Ecija
Contact No.: c/o Bureau of Animal Industry (NABC)
Telefax No.: 63(02) 920-5426
E-mail: nesf@edsamail.com.ph



*promoting technologies
through ...*



**Water Buffaloes & Beef Cattle
Improvement Project**

Background

The **Water Buffaloes and Beef Cattle Improvement Project or WBBCIP** is a joint-Japanese International Cooperation Agency (JICA) assisted project of the Philippine Carabao Center (PCC) and the Bureau of Animal Industry of the Department of Agriculture.

Born out the need to improve the productivity of the large ruminant sector, this partnership of the PCC and the BAI was conceived in 1998. The original proposal called **National Water Buffaloes and Beef Cattle Production Project** was formulated and endorsed in 1999 by the Government of the Philippines through the National Economic Development Authority (NEDA) to the Government of Japan (GOJ).



The Japanese Government responded favorably and in October 1999, a Study Mission was dispatched to the Philippines. Both Governments agreed to refine the original proposal to what is now known as **WBBCIP**.



The Project was finally approved with the visit of the Second Mission called the Japanese Implementation Study Team on July 12, 2000. **WBBCIP** became operational in October, with the dispatch of two experts to the Project.

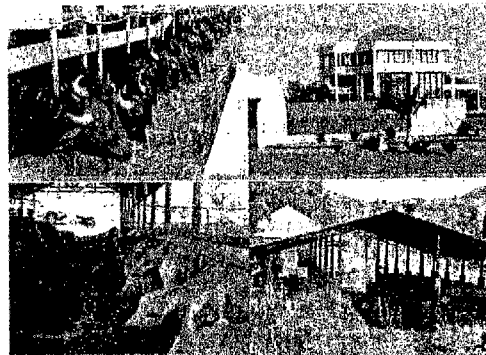
Project Objectives

This five-year project is aimed at improving the productivity of the water buffaloes and beef cattle by improving techniques in the selection of sire and dam, in performing artificial insemination and in feeding and management of animals.

Project Location

The Province of Nueva Ecija is the pilot area, with project sites at the National Water Buffalo Gene Pool (NWBGP) and the Semen Processing Laboratory of the PCC, and the Nueva Ecija Stock Farm (NESF) of BAI.

By 2005, the project hoped to have improved the techniques of PCC, BAI and LGU technicians and these can be verified through increased milk production of water buffaloes at model farmers and increased weaning weights of beef cattle at NESF.



Implementation Activities

Assessment of Actual Situation at Project Sites



Conduct of Farmer's Survey



Provision of Equipment to support institutions capacities



Short-term Training in Japan

