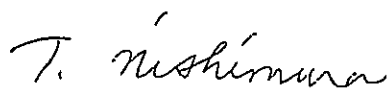


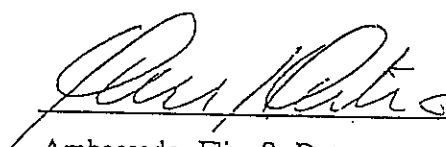
SCOPE OF WORK
FOR
MASTER PLAN STUDY
ON
DEGRADED LAND RESTORATION IN THE STATE OF PARÁ
IN
THE FEDERATIVE REPUBLIC OF BRAZIL

AGREED UPON BETWEEN
GOVERNMENT OF THE STATE OF PARÁ,
BRAZILIAN COOPERATION AGENCY
AND
JAPAN INTERNATIONAL COOPERATION AGENCY

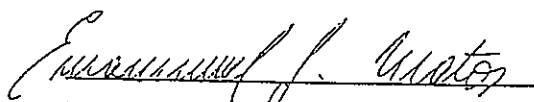
BELÉM, 9 DECEMBER 1999



Mr. Tetsuo NISHIMURA
Leader,
Preparatory Study Team,
Japan International Cooperation Agency



Ambassador Elim S. Dutra
General Director,
Brazilian Cooperation Agency (ABC)



Emanuel Aresti Santana Gonçalves Matos
Executive Secretary of Science, Technology
and Environment, SECTAM

I. INTRODUCTION

In response to the request of the Government of Federative Republic of Brazil (hereinafter referred to as " the Government of Brazil "), the Government of Japan has decided to conduct the Master Plan Study on Degraded Land Restoration in the State of Para (hereinafter referred to as " the Study "), in accordance with the Basic Agreement on Technical Cooperation between the Government of Japan and the Government of Brazil, signed in Brasilia on September 22, 1970 (hereinafter referred to as " the Basic Agreement ").

Accordingly, Japan International Cooperation Agency (hereinafter referred to as " JICA "), the official agency responsible for the implementation of the technical cooperation programs of the Government of Japan, Brazilian Cooperation Agency (hereinafter referred to as " ABC ") and Executive Secretary of Science, Technology and Environment, the State of Pará (hereinafter referred to as " SECTAM "), the executing agency responsible for the implementation of the technical cooperation for the Study, will undertake the Study in close cooperation with the other Brazilian authorities concerned.

The present document sets forth the Scope of Work with regard to the Study.

II. OBJECTIVES OF THE STUDY

The objectives of the Study are ;

1. To formulate a master plan on degraded land restoration, oriented to conserve natural forests, in the State of Para, which includes the following;
 - (1) Indigenous forest restoration ;
 - (2) Tree plantation for forest products;
 - (3) Agroforestry.

2. To carry out, in the course of the Study, technology transfer to the Brazilian counterpart personnel through on-the-job training.

III. STUDY AREA

The Study area shall cover administrative micro region of Marabá municipality with an area of 22,365 km², which includes Brejo Grande do Araguaia, Marabá, Palestina do Pará, São Domingos do Araguaia and São João de Araguaia.

IV. SCOPE OF THE STUDY

In order to achieve the objectives mentioned above, the Study shall cover the following items;

1. to collect and analyze the relevant existing data and information through field survey on the following: *E.M.*

(1) natural conditions including,

- topography;
- meteorology and hydrology;
- geology;
- soils;
- vegetation;
- tree species;
- others.

(2) socio-economic conditions including,

- population;
- labor;
- household income;
- industrial structure;
- education;
- health;
- others.

(3) market of forestal and agricultural products conditions including,

- marketable products;
- storage;
- processing;
- transportation;
- others.

(4) forestal and agricultural conditions including,

- policy;
- credit and extension;
- natural forest management;
- land use;
- land tenure;
- tree plantation, agroforestry, farming and pastoral practices ;
- farmer's organization;
- others.

2. to extract degraded land analyzing LANDSAT-TM and RADARSAT image. *E.M.*

3. to prepare a degraded land map at scale of 1/100,000 for the study area.
4. to identify potentials, problems and constraints against the degraded land restoration in the study area.
5. to prepare a degraded land restoration plan map at scale of 1/100,000 for the study area.
6. to formulate the master plan of;
 - (1) characterization of degraded land for restoration into some types;
 - (2) land use methodology of each type;
 - (3) degraded land restoration plan such as indigenous forest restoration, tree plantation for forest products and agroforestry;
 - (4) selection of projects according to priority;
 - (5) implementation schedule;
 - (6) recommendations about policy to promote projects, including training, environmental education and credit.
7. to assess the master plan (technical, social, institutional, and of costs and benefits calculation).

V. STUDY SCHEDULE

The Study will be carried out in accordance with the attached tentative schedule (See ANNEX II).

VI. REPORTS

JICA shall prepare and submit the following reports to the Government of Brazil.

1. Inception Report

Thirty (30) copies in Portuguese at the commencement of the first field work

2. Progress Report

Thirty (30) copies in Portuguese at the end of the second field work.

3. Interim Report

Thirty (30) copies in Portuguese at the commencement of the third field work.

4. Draft Final Report

Thirty (30) copies in Portuguese at the fourth field work. The Government of Brazil will provide its comments on the Draft Final Report to JICA within one (1) month after receipt of the Draft Final Report.

5. Final Report

Fifty (50) copies in Portuguese and ten (10) copies in English within two (2) months after receipt of comments on the Draft Final Report.

E.M. T.N

In addition to the above reports, the followings are to be submitted to the Government of Brazil.

6. Map (15 sets of original and digital data)

1) Degraded land map at scale of 1/100,000 for the study area

2) Degraded land restoration map at scale of 1/100,000 for the study area

VII. UNDERTAKING OF BRAZILIAN SIDE

1. The Government of Federative Republic of Brazil shall accord privileges, immunities and other benefits to the Japanese study team (hereinafter referred to as "the Team") in accordance with the Basic Agreement;

(1) to secure the safety of the Team,

(2) to permit the members of the Team to enter, leave and stay in the Federative Republic of Brazil for the duration of their assignment therein, and exempt them from foreign registration requirements and consular fees,

(3) to exempt the members of the Team from taxes, duties and other charges on equipment, machinery and other materials brought into the Federative Republic of Brazil for the conduct of the Study,

(4) to exempt the members of the Team from income tax and other charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Team for their services in connection with the implementation of the Study,

(5) to provide necessary facilities to the Team for the remittance as well as utilization of the funds introduced into the Federative Republic of Brazil from Japan in connection with the implementation of the Study,

(6) to secure permission for entry into relevant areas for the implementation of the Study,

(7) to secure permission for the Team to take all data and documents out of the Federative Republic of Brazil to Japan, in accordance with laws and regulations in force in Brazil, for analysis during the implementation of the Study, and

(8) to provide medical services as needed. Its expense will be chargeable on the members of the Team.

2. The Brazilian side shall bear claims, if any arises, against the members of the Team resulting from, occurring in the course of, or otherwise connected with, the discharge of their duties in the implementation of the Study, except when such claims arise from gross negligence or willful misconduct on the part of the members of the Team.

3. SECTAM shall act as the counterpart agency to the Team and also act as coordinating body in relation with other governmental and non-governmental organizations concerned for smooth implementation of the Study. *E. M. T. N*

4. SECTAM shall, at its own expenses, provide the Team with the following, in cooperation with other relevant organizations concerned;

- (1) available data and information related to the Study,
- (2) full time counterpart personnel, technical supporting staff, clerical staff, etc.
- (3) suitable office spaces with necessary equipment and furniture in Marabá,
- (4) appropriate number of vehicles with drivers, and
- (5) credentials or identification cards.

VIII. UNDERTAKING OF JAPANESE SIDE

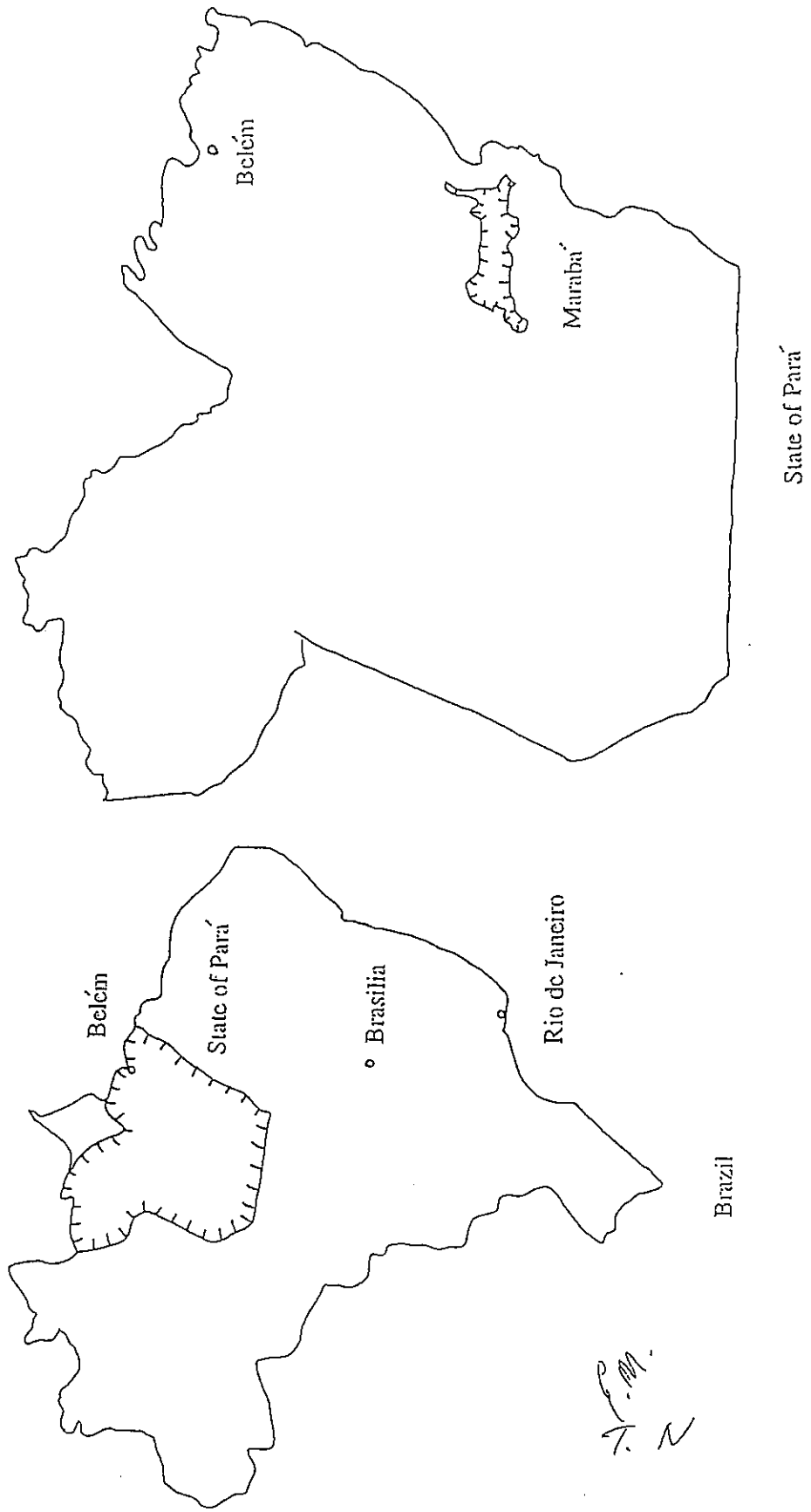
For the implementation of the Study, the Japanese side shall take the following measures;

- (1) to dispatch, at its own expense, the Team to the Federative Republic of Brazil, and
- (2) to pursue technology transfer to the Brazilian counterpart personnel in the course of the Study.

IX. CONSULTATION

JICA, ABC and SECTAM shall consult with each other in respect of any matter that may arise from or in connection with the Study. *E.M.* *J.N.*

ANNEX I



MINUTES OF MEETING
ON
SCOPE OF WORK
FOR
MASTER PLAN STUDY
ON
DEGRADED LAND RESTORATION IN THE STATE OF PARÁ
IN
THE FEDERATIVE REPUBLIC OF BRAZIL

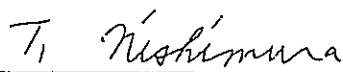
The preparatory study team (hereinafter referred to as "the Team") organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA") headed by Mr. Tetsuo NISHIMURA visited the Federative Republic of Brazil from November 29 to December 13, 1999 for the purpose of discussing and confirming the Scope of Work for Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil (hereinafter referred to as "the Study").

The Team had a series of discussions with officials of Executive Secretary of Science, Technology and Environment , the State of Pará (hereinafter referred to as "SECTAM") and other organizations on the Scope of Work for the Study. The list of participants in the meetings is attached as Annex.

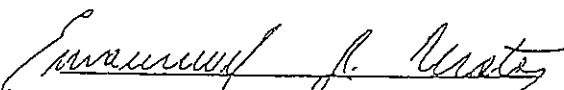
As a result of the discussions, SECTAM and the Team agreed upon the Scope of Work for the Study.

The main issues discussed by the both sides in relation to the Scope of Work for the Study are shown in the documents attached hereto.

Belém, 9 December, 1999



Mr. Tetsuo NISHIMURA
Leader
Preparatory Study Team
Japan International Cooperation Agency



Emanuel Aresti Santana Gonçalves Matos
Executive Secretary of Science, Technology
and Environment, SECTAM

1. Study Area

The Study Area mentioned in the official request dated on May, 1998, from the Government of Brazil, was the whole area of the State of Pará with an area of approximately 1,250,000 km². The project formation team dispatched by JICA in April, 1999, considered the possibility to formulate a master plan for the whole area of the State of Pará. They concluded that the Study Area was extremely extensive and it was difficult to formulate it from points of accuracy, study flow and costs. In response of the conclusion, SECTAM proposed Marabá area as Study Area with high priority, considering agricultural and pasture development history and socio-economic development potential.

The Team proposed the Scope of Work which indicated Marabá municipality as Study Area according to the result of the discussion between the project formation team and SECTAM in April, 1999. As a result of the discussions, SECTAM and the Team agreed upon the Marabá municipality as Study Area as mentioned in the Scope of Work.

2. Definition of degraded land in the Study

Both sides agreed that the degraded land in the Study meant unused secondary forest, grassland, over exploited forest and denuded land, which would be identified through satellite image analysis and field work.

3. Steering Committee

Both sides agreed to establish the Steering Committee for smooth conduct of the Study. It is expected that this Committee will authorize the reports when JICA Study Team comes to explain them. Executive Secretary of SECTAM was appointed as chairman. The members of the committee are as follows;

- Executive Secretary of SECTAM;
- Director of Environment of SECTAM;
- Coordinator of Environmental Protection of SECTAM;
- Representative of SAGRI;
- Representative of EMATER;
- Representative of ITERPA;
- Representative of ABC;
- JICA Study Team; and
- Representative of JICA in Brazil.

4. Consultative Committee

Both sides agreed to establish the Consultative Committee to provide necessary facilities to JICA Study Team. The members of the committee are as follows;

- SUDAN;
T. N. P.M.

- IBAMA;
- FCAP;
- UFPa;
- AIMEX;
- Embrapa;
- AMAZON;
- BASA.

5. Counterpart personnel

SECTAM promised to assign the counterpart personnel in following areas and to take a necessary budget measure such as a travel allowance for conducting the Study;

- Satellite Image Processing;
- Soil Fertility;
- Meteorology;
- Forestry;
- Agriculture;
- Products Processing / Marketing; and
- Social Economy / Project Evaluation.

6. Office accommodation

SECTAM promised to prepare an office for the JICA Study Team with necessary furniture in Marabá.

7. Counterpart Training in Japan

SECTAM requested the counterpart training in Japan, the training subjects will be considered after assigned each counterpart personnel through discussion with JICA Study Team.

8. Opening the Final Report to the Public

Both sides agreed that the Final Report would be open to the public.

9. Technology Transfer Seminar

SECTAM requested that the Study should include a technology transfer seminar at intermediate and final stage of the Study to promote a better understanding and to disseminate the results of the Study. The seminar is to be jointly organized by both sides .

10. Target Year

SECTAM explained that target year of the Study would be considered through the Study. *E.M.*

T. N

11. Implementation of the Project

SECTAM explained that fund resources would be considered through the Study, discussing with the financial authorities.

E.M.

T.N

LIST OF PARTICIPANTS

1. Brazilian side

1) SECTAM

Mr. Emanuel Aresti Santana Gonçalves Matos, Executive Secretary

Mr. Perminio Pascoal Costa Filho

Mr. Paulo Sérgio Altieri, Coordinator of Environmental Protection

Mr. Sebastião Anísio dos Santos, Forestry Engineer

2) ABC

Dra. Mariza Graça Lima, Coordinator of Bilateral Technical Cooperation

2. Japanese side

1) Preparatory Study Team

Mr. Tetsuo NISHIMURA Leader

Dr. Nobuyuki TANAKA Member

Mr. Tetsuya KAMLJO Member

Ms. Michiko SUKA Member

2) JICA in Brazil

Mr. Akihiko YAMADA Staff

Mr. Yasuhiro ONISHI Staff

Mr. Kazuyoshi SHINOYAMA Staff

E.M.
T. N

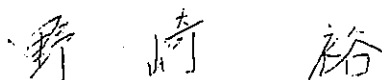
MINUTES OF MEETINGS
ON
THE INCEPTION REPORT
FOR
THE MASTER PLAN STUDY ON DEGRADED LAND RESTORATION
IN THE STATE OF PARÁ
IN
THE FEDERATIVE REPUBLIC OF BRAZIL

AGREED UPON BETWEEN
EXECUTIVE SECRETARY OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
OF
THE STATE OF PARÁ
AND
THE STUDY TEAM
OF
JAPAN INTERNATIONAL COOPERATION AGENCY

Belém, 26 April, 2000

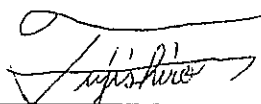


Mr. Emanuel Aresti Santana Gonçalves Matos
Executive Secretary
Science, Technology and Environment of
the State of Pará.



Mr. Yutaka NOZAKI
Leader
JICA Study Team

(witness by)



Mr. Kazuo FUJISHIRO
Leader
JICA Advisory Team

The Study Team organized by Japan International Cooperation Agency (hereinafter referred to as "JICA Study Team") for The Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil (hereinafter referred to as "the Study"), headed by Mr. Yutaka NOZAKI presented the Inception Report for the Study to the Steering Committee organized by Executive Secretary of Science, Technology and Environment of the State of Pará (hereinafter referred to as "SECTAM") and relevant agencies of the State Government of Pará.

JICA Study Team submitted officially thirty (30) copies of the Inception Report to SECTAM, in accordance with the Scope of Work for the Study signed between the Brazilian Cooperation Agency, SECTAM and JICA on December 9, 1999.

Meetings on the Inception Report were held twice, namely with the officials of SECTAM on April 18, 2000 and the Steering Committee on April 19, 2000. In the meetings, the JICA Study Team explained the contents of the Inception Report and the basic approach of the Study. Thereafter, a series of discussions were held among them. As a result, the Inception Report was agreed, in principle, by both sides. The list of participants is attached in Appendix and the main issues discussed by both sides, are as follows:

1. Definition of Degraded Land

The degraded land in the Study includes unused secondary forest, abandoned pasture land, abandoned cultivated area, over exploited forest and denuded land. Degraded land is understood as the areas which have a lower economic productivity. And the degraded land shall be indicated as "Área Degradada" in Portuguese for all the future purposes.

2. Causes for Degradation

The Brazilian Side explained that the agents for degradation are not only small farmers for burning and shifting cultivation but also medium and large scale producers burning the areas for agriculture, cattle grazing and timber logging. Detailed Survey will be carried out in the Study to confirm the causes of degradation.

3. Appropriate Words in Portuguese

- "Unused pasture land" referred in the Minutes of Meeting signed on December 9, 1999 shall be indicated as "Pastos abandonados (Abandoned pasture land)" for all future purposes. *E.M.*

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- In the case of Secondary Forest, where big trees prevail, it shall be referred in Portuguese, as “árvores de grande porte” with the word “capoeirão”, in parenthesis and where bushes prevail, it shall be referred in Portuguese, as “arbustos” with the word “capoeira”, in parenthesis, because these words are commonly used in the region of this Study.

4. *Formulation of Master Plan*

In the Study, the formulation of Master Plan shall be carried out in consistent with the Development Plan of the State Government of Pará.

5. *Satellite Images*

JICA Study Team informed that the two satellite images, which were already acquired for the Study cover all the Study area, except that, a very small area at the western end of the Study area might not be covered in these two images. While the analysis of the Study area will be carried out using the two satellite images, the data of satellite images for this small area will be supplemented using the satellite data available at SECTAM and the other existing data and information.

6. *Participation of the Municipalities in the Study*

The representatives of the 5 municipalities in the Study area shall be added to the members of the Steering Committee mentioned in the Minutes of Meeting signed on December 9, 1999. And, the technology transfer seminars shall be held both in Belém and Marabá to promote an active participation of the municipalities in the Study.

7. *Undertakings of the State Government of Pará*

JICA Study Team requested that the items described in Chapter 7 of the Inception Report as the undertakings by the State Government of Pará specified in the Scope of Work and the Minutes of Meeting shall be carried out for the smooth implementation of the Study in Brazil. The State Government of Pará provided the counterpart personnel for the Study, which included the members of the Steering Committee, an office with suitable equipments inside of Secretariat of SECTAM in Belém and another office inside of SEAGRI in Marabá, and ID cards for the Study Team members.

E. de

Mej.

(9)

LIST OF PARTICIPANTS

1. Brazilian side

1) SECTAM

Mr. Emanuel Aresti Santana Gonçalves Matos, Executive Secretary of Science, Technology and Environment of the State of Pará

Mr. Permínio Pascoal Costa Filho, Director of Environment of the State of Pará

Mr. Paulo Sérgio Altieri, Coordinator of Environmental Protection

Mr. Sebastião Anísio dos Santos, Forestry Engineer

Ms. Francisca Lúcia Porpino Telles, Coordinator of Environmental Protection

Mr. Amadeu Farace Frade, Technician

Mr. Ivan Barbosa, Technician

Mr. Benjamin Carlos Ferreira, Technician

2) EMATER

Mr. Ítalo Claudio Falesi, President

Mr. Rubens Cardoso da Silva, Technical Director

Mr. Luiz Heleno Barbosa de Castro, Operation Coordinator

3) EMBRAPA

Mr. Jonas Bastos da Veiga, Researcher

Mr. Luiz Guilherme T. Silva, Researcher

4) ITERPA

Mr. Ozias Guedes de Aquino, Advisor

Mr. Sérgio Fernandes, Technician

Ms. Marcli Zaire, Technician *E.A.A.*

2. Japanese side

1) JICA Study Team

Mr. Yutaka NOZAKI, Leader

Mr. Hitoshi KATO, Silviculture

Mr. Bogo ABE, Socio - Economy / Project Evaluation

Mr. C. MURUGABOOPATHI, Soils

Mr. José Toshimori NAKANE, Processing / Forestry Products Market

Ms. Natsumi KUSUNO, Interpreter

Ms. Marilda Nakane, Coordinator

2) JICA Advisory Team

Mr. Kazuo FUJISHIRO, Leader

3) JICA Belém Branch Office

Mr. Tatsuo SUZUKI, Representative

Mr. Yasuhiro ONISHI, Staff *E.M.*

MINUTES OF MEETING ON
THE TECHNOLOGY TRANSFER PLAN FOR
THE MASTER PLAN STUDY ON DEGRADED LAND RESTORATION IN
THE STATE OF PARÁ IN THE FEDERATIVE REPUBLIC OF BRAZIL

The Study Team organized by Japan International Cooperation Agency (hereinafter referred to as "JICA Study Team") for The Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil (hereinafter referred to as "the Study"), headed by Mr. Yutaka NOZAKI presented the Technology Transfer Report for the Study to the Steering Committee organized by Executive Secretary of Science, Technology and Environment of the State of Pará (hereinafter referred to as "SECTAM") and relevant agencies of the State Government of Pará.

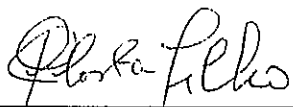
JICA Study Team submitted officially five (5) copies of the report of Technology Transfer Plan to SECTAM, in accordance with the Scope of Work for the Study signed between the Brazilian Cooperation Agency, SECTAM and JICA on June 8, 1999.

Meeting on the Technology Transfer Plan was held with the Steering Committee on June 8, 2000. In the meeting, the JICA Study Team explained the contents of the Technology Transfer Plan and discussion was held. As a result, the Technology Transfer Plan was agreed, in principle, by both sides. The list of participants is attached in Appendix and the main issue discussed was as follows:

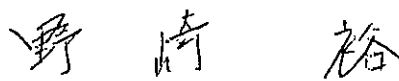
- ***Counterpart Training in Japan***

SECTAM informed the Study Team that the counterpart training in Japan is considered as highly essential and therefore strongly requested for the same. The Study Team recommended that SECTAM should make the selection of the trainee(s) and the application procedure for the training in Japan should be started as soon as possible in consultation with the JICA Belém Branch Office.

Belém, 8 June, 2000



Mr. Perminio Pascoal Costa Filho
Director of Environment
Science, Technology and Environment of
the State of Pará



Mr. Yutaka NOZAKI
Leader
JICA Study Team

LIST OF PARTICIPANTS

1. Brazilian side

1) SECTAM

Mr. Permínio Pascoal Costa Filho, Director of Environment of the State of Pará

Mr. Paulo Sérgio Altieri, Coordinator of Environmental Protection

Mr. Amadeu Farace Frade, Technician

Mr. Ivan Barbosa, Technician

Mr. Benjamin Carlos Ferreira, Technician

Mr. José Renato Duarte de Barros, Technician

Mr. Guilherme Ferreira Bentes, Technician

2) EMATER

Mr. Luiz Heleno Barbosa de Castro, Operation Coordinator

3) ITERPA

Ms. Marcli Zaire, Technician

2. Japanese side

1) JICA Study Team

Mr. Yutaka NOZAKI, Leader

Mr. Hitoshi KATO, Silviculture

Mr. C. MURUGABOOPATHI, Soils

Mr. José Toshimori NAKANE, Processing / Forestry Products Market

Mr. Wataru YAMAMOTO, Agroforestry


Ms. Natsumi KUSUNO, Interpreter

Ms. Marilda Nakane, Coordinator

2) JICA Belém Branch Office

Mr. Akihiko YAMADA, Staff

Mr. Yasuhiro ONISHI, Staff

Noz. 

MEMORANDUM OF
THE STEERING COMMITTEE MEETING HELD ON SEPTEMBER 6, 2000
FOR THE MASTER PLAN STUDY ON DEGRADED LAND RESTORATION IN
THE STATE OF PARÁ IN THE FEDERATIVE REPUBLIC OF BRAZIL

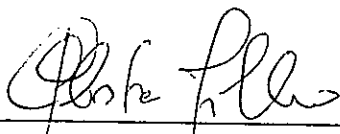
A Steering Committee Meeting was organized by the Executive Secretary of Science, Technology and Environment of the State of Pará (hereinafter referred to as "SECTAM") and relevant agencies of the State Government of Pará on September 6, 2000 to discuss on the Study contents and the schedule for the second field work of the Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil (hereinafter referred to as "the Study").

During the Steering Committee Meeting, the Study Team headed by Mr. Yutaka NOZAKI explained the objectives, the Study contents and the schedule for the second phase of the Study. The list of participants is attached in Appendix and the main issue discussed was as follows:

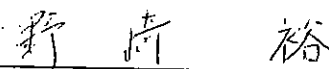
- ***Definition of degraded land in the Study***

Based on the results of the first field work in Brazil and the first home office work in Japan, it was agreed by both the sides that the degraded land in the Study shall include juquira, capoeira, capoeirão, and denuded land, which would be identified through satellite image analysis and field work.

Belém, 6 September, 2000



Mr. Perminio Pascoal Costa Filho
Director of Environment
Science, Technology and Environment of
the State of Pará



Mr. Yutaka NOZAKI
Leader
JICA Study Team

LIST OF PARTICIPANTS

1. Brazilian side

1) SECTAM

Mr. Permínio Pascoal Costa Filho, Director of Environment of the State of Pará

Mr. Paulo Sérgio Altieri, Coordinator of Environmental Protection

Mr. Amadeu Farace Frade, Technician

Mr. Ivan Barbosa, Technician

Mr. Benjamin Carlos Ferreira, Technician

Mr. José Renato Duarte de Barros, Technician

Mr. Flávio Augusto Altieri dos Santos, Technician

Mr. Carlos Mariano Mesquita Pereira, Technician

2) EMATER

Mr. Italo Claudio Falesi, President

3) EMBRAPA

Mr. Luiz Guilherme Teixeira Silva, Researcher

4) SAGRI

Mr. Julio Cezar Moreira, Agriculture Engineer

5) ITERPA

Mr. Ozias Guedes de Aquino, Planning Advisor

Ms. Marli Araujo Zaire, Agriculture Engineer

2. Japanese side

1) JICA Study Team

Mr. Yutaka NOZAKI, Leader

Mr. C. MURUGABOOPATHI, Soils

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Q

Mr. José Toshimori NAKANE, Processing / Forestry Products Market

Mr. Manabu KAWAGUCHI, Satellite Image Processing

Ms. Natsumi KUSUNO, Interpreter

Ms. Marilda Nakane, Coordinator

2) JICA Belém Branch Office

Mr. Tatsuo Suzuki, Coordinator

Mr. Yasuhiro ONISHI, Staff

A handwritten signature in black ink, consisting of a stylized, cursive script that appears to be 'mg.' followed by a vertical line and a loop.

MINUTES OF MEETING ON THE PROGRESS REPORT
FOR THE MASTER PLAN STUDY ON DEGRADED LAND RESTORATION IN
THE STATE OF PARÁ IN THE FEDERATIVE REPUBLIC OF BRAZIL

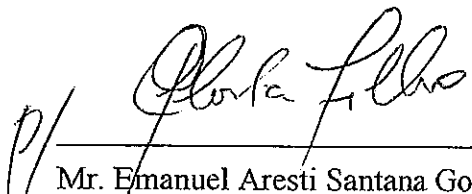
A Steering Committee Meeting was organized by the Executive Secretary of Science, Technology and Environment of the State of Pará (hereinafter referred to as "SECTAM") and relevant agencies of the State Government of Pará on November 23, 2000 to discuss on the Progress Report of the Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil (hereinafter referred to as "the Study").

The Study Team organized by Japan International Cooperation Agency (hereinafter referred to as "JICA Study Team") submitted officially thirty (30) copies of the Progress Report to SECTAM, in accordance with the Scope of Work for the Study signed between the Brazilian Cooperation Agency, SECTAM and JICA on December 9, 1999.

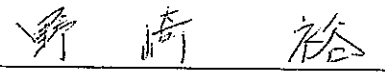
The JICA Study Team headed by Mr. Yutaka NOZAKI explained the contents of the Progress Report to the Steering Committee and thereafter, discussions were held. As a result, the Progress Report was agreed, in principle, by both the sides.

If there are any comments in regard to the Progress Report, the same shall be sent to JICA Tokyo through JICA Belém Branch Office on or before December 11, 2000. The list of participants is attached in Appendix.

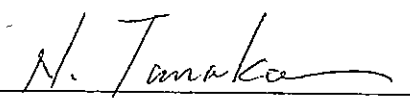
Belém, 23 November, 2000



Mr. Emanuel Aresti Santana Gonçalves Matos
Executive-Secretary
Science, Technology and Environment of
the State of Pará



Mr. Yutaka NOZAKI
Leader
JICA Study Team

(witness by) 

Dr. Nobuyuki Tanaka
Chairman
JICA Advisory Committee

LIST OF PARTICIPANTS

1. Brazilian side

1) SECTAM

Mr. Permínio Pascoal Costa Filho, Director of Environment of the State of Pará

Mr. Paulo Sérgio Altieri, Coordinator of Environmental Protection

Mr. Ivan Barbosa, Technician

Mr. Benjamin Carlos Ferreira, Technician

Mr. José Renato Duarte de Barros, Technician

2) EMATER

Mr. Rubens Cardoso, Director

Mr. Guilardo Lobo, Technician

Mr. Luiz Heleno Castro, Coordinator

3) EMBRAPA

Mr. Jorge Yared, Research Chief

Mr. Ruy R. Galeão, Technician

2. Japanese side

1) JICA Study Team

Mr. Yutaka NOZAKI, Leader

Mr. C. MURUGABOOPATHI, Soils

Mr. José Toshimori NAKANE, Processing / Forestry Products Market

Mr. Kazumi WATANABE, Silviculture

Mr. Wataru YAMAMOTO, Agroforestry

Mr. Bogo, ABE, Socioeconomy

Ms. Natsumi KUSUNO, Interpreter

Ms. Marilda NAKANE, Coordinator

H.T.  Noj.


2) JICA Advisory Committee

Mr. Nobuyuki TANAKA, Chairman

3) JICA Belém Branch Office

Mr. Akihiko YAMADA, Assistant Coordinator

Mr. Yasuhiro ONISHI, Advisor


N.T. / Noz.

MINUTES OF MEETING
ON
THE INTERIM REPORT
FOR
THE MASTER PLAN STUDY ON DEGRADED LAND RESTORATION
IN THE STATE OF PARÁ
IN
THE FEDERATIVE REPUBLIC OF BRAZIL

AGREED UPON BETWEEN
EXECUTIVE SECRETARY OF SCIENCE, TECHNOLOGY AND
ENVIRONMENT
OF
THE STATE OF PARÁ
AND
THE STUDY TEAM
OF
JAPAN INTERNATIONAL COOPERATION AGENCY

Belém, 21 May, 2001



Mr. Perminio Pascoal Costa Filho
Director of Environment
Science, Technology and Environment of
the State of Pará



Mr. Yutaka Nozaki
Leader
JICA Study Team

(witness by)



Mr. Yukihide Katsuta
Director
Forestry and Fisheries Development Study Division
Japan International Cooperation Agency

The Study Team organized by Japan International Cooperation Agency (hereinafter referred to as "JICA Study Team") for The Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil (hereinafter referred to as "the Study"), headed by Mr. Yutaka NOZAKI presented the Interim Report for the Study to the Steering Committee organized by Executive Secretary of Science, Technology and Environment of the State of Pará (hereinafter referred to as "SECTAM") and relevant agencies of the State Government of Pará.

JICA Study Team officially submitted thirty (30) copies of the Interim Report and fifteen (15) sets of Degraded Land Maps at a scale of 1:100,000 to SECTAM, in accordance with the Scope of Work for the Study signed between the Brazilian Cooperation Agency, SECTAM and JICA on December 9, 1999.

The Meeting on the Interim Report was held with the Steering Committee on May 16, 2001. In the meeting, the JICA Study Team explained the contents of the Interim Report and thereafter, a series of discussions were held. As a result, the Interim Report was agreed, in principle, by both the sides. The list of participants is attached in Appendix and the main issues discussed by both the sides, are as follows:

1. *Comments on the Interim Report*

It is decided that the comments on the Interim Report shall be submitted on or before May 28, 2001.

2. *Degraded Land Restoration Plan Map*

While preparing the Interim Report and formulating the Master Plan of the Study, it is understood that it would be better to prepare the degraded land restoration plan map for the entire Study Area in a single map of a bigger scale, rather than dividing them into smaller maps, so as to have a clear understanding of the land restoration plan in the whole Study Area. Therefore, both the sides agreed that the land restoration plan map for the entire Study Area shall be prepared in a single map, which can clearly identify all the programs/projects to be carried out in the Study Area.

3. *Technical Transfer Seminar*

It was planned to hold the Technical Transfer Seminars in Belém and Marabá during the fourth field work in Brazil. However, the seminar in Marabá shall be held during the third field work, whose objectives are to promote the participation of the local people in the Study Area and to exchange the idea of the Master plan among the stakeholders. SECTAM will be in charge of the seminar including making all the necessary arrangements and the JICA Study Team will provide the necessary support for the seminar.

4. *Counterpart Training in Japan*

SECTAM informed the Study Team that the counterpart training in Japan is considered as highly essential and therefore strongly requested for the same.

LIST OF PARTICIPANTS

1. Brazilian side

1) SECTAM

Mr. Permínio Pascoal Costa Filho, Director of Environment of the State of Pará

Mr. Paulo Sérgio Altieri, Coordinator of Environmental Protection

Mr. Ivan Barbosa, Technician

Mr. Benjamin Carlos Ferreira, Technician

Mr. José Renato Duarte de Barros, Technician

Mr. Sérgio Dias, Technician

Mr. Sebastião Anísio dos Santos, Technician

2) EMATER

Mr. Italo Claudio Falesi, President

3) EMBRAPA

Mr. Eimeleocipio Andrade, Researcher

4) SAGRI

Mr. Kleber Briglia, Planning Technician

5) ABC

Ms. Mariana Tavares Resende, International Cooperation Technician

2. Japanese side

1) JICA Study Team

Mr. Yutaka NOZAKI, Leader

Mr. C. MURUGABOOPATHI, Soils

Mr. José Toshimori NAKANE, Processing / Forestry Products Market

Mr. Kazumi WATANABE, Silviculture

1108. 

Mr. Yoshiyuki KAWAMATA, Agroforestry

Mr. Toshikazu NAGAMITSU, Livestok / Pasture

Ms. Natsumi KUSUNO, Interpreter

Ms. Ione Koseki Comejo, Interpreter

Ms. Marilda NAKANE, Coordinator

2) JICA Advisory Committee

Mr. Yukihide KATSUTA, Director of Forestry and Fisheries Development Study Division

3) JICA Belém Branch Office

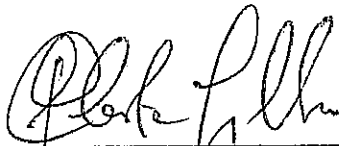
Mr. Yasuhiro ONISHI, Staff

Three handwritten signatures in black ink are positioned to the right of the text for Mr. Yasuhiro ONISHI. The first signature is a cursive 'M', the second is a stylized 'Q', and the third is a stylized 'B'.

MINUTES OF MEETING
FOR
THE MASTER PLAN STUDY ON DEGRADED LAND RESTORATION
IN THE STATE OF PARÁ
IN
THE FEDERATIVE REPUBLIC OF BRAZIL

AGREED UPON BETWEEN
EXECUTIVE SECRETARY OF SCIENCE, TECHNOLOGY AND
ENVIRONMENT
OF
THE STATE OF PARÁ
AND
THE STUDY TEAM
OF
JAPAN INTERNATIONAL COOPERATION AGENCY

Belém, 13 July, 2001



Mr. Perminio Pascoal Costa Filho
Director of Environment
Science, Technology and Environment of
the State of Pará



Mr. Yutaka Nozaki
Leader
JICA Study Team

A Steering Committee Meeting was organized by the Executive Secretary of Science, Technology and Environment of the State of Pará (hereinafter referred to as "SECTAM") and relevant agencies of the State Government of Pará on July 13, 2001 to discuss on the results of the third field work of the Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil (hereinafter referred to as "the Study").

During the Steering Committee Meeting, the Study Team headed by Mr. Yutaka NOZAKI explained the results of the third field work in Brazil, outline of the draft final report, outline of the summary and recommendations, and the future schedule of the Study. Both the sides generally agreed on the following main items. The list of participants is attached in Appendix

- ***Outline of the Implementation Plan of the Master Plan***

Based on the results of the third field work, it is confirmed that the formulation of Master Plan and the Programs/Projects as discussed in the Interim Report basically remains the same, and there is no change in the list of programs/projects. However, an outline of the overall implementation plan of the Master Plan needed to be furnished in the Draft Final Report.

- ***Implementation Plan for the Core Projects***

A more detailed discussion shall be made in the Draft Final Report in regard to the Implementation Plan of the following three Core Projects:

1. Project of Collection of Seeds and Production of Seedlings of Forest and Fruit Species
2. Project of Reforestation and Enrichment with Native and Exotic Forest Species
3. Project of Development and Improvement of the Family Agriculture through Agrosilvipastoral Activities.

- ***Outline of Summary and Recommendations***

The Outline of Summary and Recommendations, which is discussed during the meeting is generally accepted by the Steering Committee and will be elaborated in the Draft Final Report.

It is decided that any comments on the Outline of Summary and Recommendations shall be submitted on or before August 15, 2001.

Noz.



LIST OF PARTICIPANTS

1. Brazilian side

1) SECTAM

Mr. Permínio Pascoal Costa Filho, Director of Environment of the State of Pará

Mr. Paulo Sérgio Altieri, Coordinator of Environmental Protection

2) EMATER

Mr. Rubens Cardoso da Silva, Technical Director

3) ITERPA

Ms. Marcli Zaire, Agriculture Engineer

4) SAGRI

Ms. Márcia de Padua Bastos Tagore, Agriculture Engineer

2. Japanese side

1) JICA Study Team

Mr. Yutaka NOZAKI, Leader

Mr. Toshikazu NAGAMITSU, Livestock

Mr. Kazumi WATANABE, Silviculture

Mr. C. MURUGABOOPATHI, Soils

Mr. José Toshimori NAKANE, Processing / Forestry Products Market

Mr. Yoshiyuki KAWAMATA, Agroforestry

Ms. Natsumi KUSUNO, Interpreter

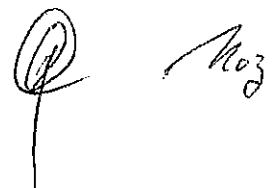
Ms. Marilda NAKANE, Coordinator

2) JICA Belém Branch Office

Mr. Akihiko YAMADA, Vice Coordinator

Mr. Yasuhiro ONISHI, Advisor

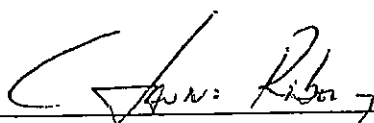
Mr. Jun SHIMA, Staff



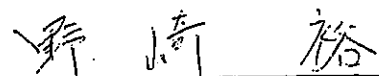
MINUTES OF MEETING
ON
THE DRAFT FINAL REPORT
FOR
THE MASTER PLAN STUDY ON DEGRADED LAND RESTORATION
IN THE STATE OF PARÁ
IN
THE FEDERATIVE REPUBLIC OF BRAZIL

AGREED UPON BETWEEN
EXECUTIVE SECRETARY OF SCIENCE, TECHNOLOGY AND
ENVIRONMENT
OF
THE STATE OF PARÁ
AND
THE STUDY TEAM
OF
JAPAN INTERNATIONAL COOPERATION AGENCY

Belém, 4 October, 2001

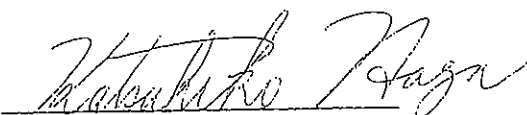


Mr. Claudio Cavalcanti-Ribeiro
Vice - Executive Secretary of
Science, Technology and Environment of
the State of Pará



Mr. Yutaka NOZAKI
Leader
JICA Study Team

(witness by)



Mr. Katsuhiko Haga
Representative
JICA Belém Office

The Study Team organized by Japan International Cooperation Agency (hereinafter referred to as "JICA Study Team") for The Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil (hereinafter referred to as "the Study"), headed by Mr. Yutaka NOZAKI presented the Draft Final Report for the Study to the Steering Committee organized by Executive Secretary of Science, Technology and Environment of the State of Pará (hereinafter referred to as "SECTAM") and relevant agencies of the State Government of Pará.

JICA Study Team officially submitted thirty (30) copies of the Draft Final Report and fifteen (15) sets of Degraded Land Restoration Plan Maps at a scale of 1:570,000 and one (1) set of digital data of maps to SECTAM, in accordance with the Scope of Work for the Study signed between the Brazilian Cooperation Agency, SECTAM and JICA on December 9, 1999.

The Meeting on the Draft Final Report was held with the Steering Committee on October 4, 2001. In the meeting, the JICA Study Team explained the contents of the Draft Final Report and thereafter, a series of discussions were held. As a result, the Draft Final Report was agreed, in principle, by both the sides. The list of participants is attached in Appendix and the main issues discussed by both the sides, are as follows:

1. *Comments on the Draft Final Report*

It is decided that the comments on the Draft Final Report shall be submitted on or before October 31, 2001 to the JICA Belém office.

2. *Interest in Technical Cooperation*

SECTAM has expressed its interest in proceeding further technical cooperation from the Government of Japan.

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72
m.j.

LIST OF PARTICIPANTS

1. Brazilian side

1) SECTAM

Mr. Perrnínio Pascoal Costa Filho, Director of Environment of the State of Pará

Mr. Paulo Sérgio Altieri, Coordinator of Environmental Protection

Mr. Sérgio Dias, Technician

Mr. Benjamin Carlos Ferreira, Technician

Mr. Ivan Barbosa, Technician

Mr. José Renato Duarte de Barros, Technician

Mr. Sebastião Anísio dos Santos, Technician

Mr. Carlos Mariano Pereira, Technician

2) EMATER

Mr. Italo Claudio Falesi, President

3) SAGRI

Ms. Márcia de Padua Bastos Tagore, Agriculture Engineer

2. Japanese side

1) JICA Study Team

Mr. Yutaka NOZAKI, Leader

Mr. José Toshimori NAKANE, Processing / Forestry Products Market

Mr. Yoshiyuki KAWAMATA, Agroforestry

Ms. Natsumi KUSUNO, Interpreter

Ms. Marilda NAKANE, Coordinator

2) JICA Belém Branch Office

Mr. Katsuhiko HAGA, Coordinator

Ms. Chiharu MORITA, Vice Coordinator

Mr. Yasuhiro ONISHI, Advisor

Mr. Jun SHIMA, Staff

Handwritten signatures and initials:
A signature resembling "Miy" is written above a signature resembling "Noz".
A signature resembling "JA" is written to the right of the "Miy" signature.



JAPAN INTERNATIONAL COOPERATION AGENCY
AGÊNCIA DE COOPERAÇÃO INTERNACIONAL DO JAPÃO

Trav. Quintino Bocaiuva, 1588
Edifício da FIEPA - Bloco A - 2º andar
CEP: 66.035-190 - Belém - Pará
Fone: (91) 241-3000 - Fax: (91) 241-0725
E-mail: jicabelm@libnet.com.br
<http://www.jica.org.br>



JAPAN INTERNATIONAL COOPERATION AGENCY
AGÊNCIA DE COOPERAÇÃO INTERNACIONAL DO JAPÃO



JAPÃO

Assistência Oficial para o Desenvolvimento



SECTAM

Secretaria Executiva de Ciência,
Tecnologia e Meio Ambiente



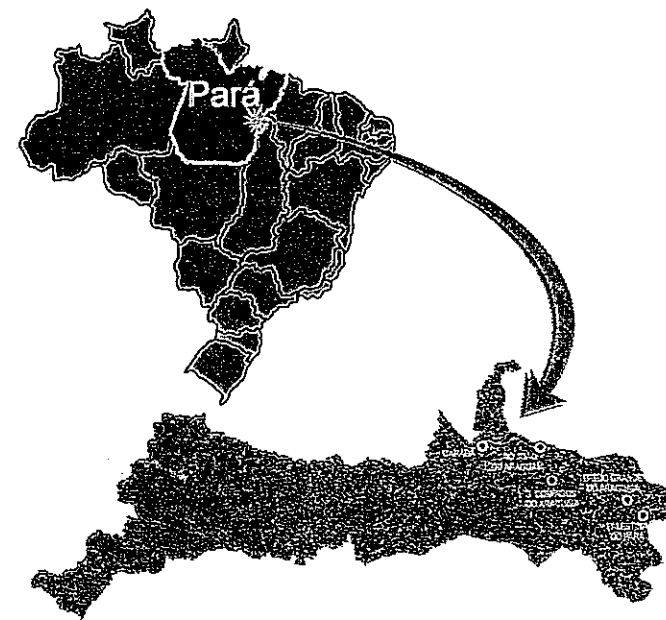
SECTAM

Secretaria Executiva de Ciência,
Tecnologia e Meio Ambiente

Trav. Lomas Valentina, 2717
Marco - CEP 66.095-770 - Belém-Pará
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**GOVERNO DO
PARÁ**



Estudo para Elaboração do Plano Diretor de Recuperação de Áreas Degradadas do Estado do Pará

WORKSHOP

ACORDO DE COOPERAÇÃO TÉCNICA
ENTRE A AGÊNCIA DE COOPERAÇÃO
INTERNACIONAL DO JAPÃO
E O GOVERNO DO ESTADO DO PARÁ

28 de outubro de 2000
Marabá - Pará

O Estudo para Elaboração do Plano Diretor de Recuperação das Áreas Degradadas do Estado do Pará da República Federativa do Brasil está sendo realizado mediante a Cooperação Técnica Bilateral entre os governos do Brasil e do Japão. Conta com a participação do governo do Estado do Pará, através da Secretaria Executiva de Ciência, Tecnologia e Meio Ambiente (SECTAM), e da entidade do governo do Japão, Assistência Oficial para o Desenvolvimento (ODA), através da Agência de Cooperação Internacional do Japão (JICA).

O Estado do Pará é o segundo maior estado brasileiro, com uma superfície de 1.248.042 km², (15% do território nacional). Semelhante a várias outras regiões do planeta, o Estado vem sofrendo com a crescente degradação causada pelo uso inadequado dos recursos naturais. Desta forma, 15% da cobertura florestal nativa do Estado encontram-se, hoje, alteradas por ações antrópicas.

O estudo em questão, faz parte do Programa de Governo do Estado do Pará que, em consonância com as políticas federais, vem tomando uma série de providências no sentido de identificar e controlar atividades causadoras da degradação, ao mesmo tempo que promove a implantação de projetos de desenvolvimento sustentáveis que apresentem vantagens econômicas que elevem o nível de vida da população.

Abrangência do Estudo

A área foco do estudo compreende os municípios de Marabá, São João do Araguaia, São Domingos do Araguaia, Brejo Grande do Araguaia e Palestina do Pará. Trata-se da microrregião de Marabá com uma área de aproximadamente 20.000 km², cujas características edafoclimáticas permitem o cultivo de diversas espécies arbóreas e o manejo de pastagens artificiais e, cujas áreas florestais remanescentes podem ser valorizadas através da aplicação de planos adequados de manejo.

Ação Participativa

As iniciativas de sucesso indicam que qualquer que seja a opção de desenvolvimento e de intervenção, deve ser levado em conta o conhecimento sócio-econômico local, adotando-se uma metodologia de planejamento da forma mais participativa possível. Considerar planos de desenvolvimento dos órgãos governamentais, problemas regionais e aspirações das comunidades locais, e com eles compartilhar responsabilidades, pretende ser a base da elaboração do Plano Diretor para Recuperação de Áreas Degradadas do Estado do Pará. Para tanto a SECTAM e JICA, promovem este **Workshop** que pretende ser o primeiro passo rumo à integração e interação dos diversos atores sociais que compõem a realidade da microrregião de Marabá.

PROGRAMAÇÃO

- 09:00 h - Abertura
- 10:15 h - Coffee-break
- 10:30 h - Apresentação do Escopo do Estudo
- 12:30 h - Almoço
- 14:00 h - Reunião de Trabalho
- 15:45 h - Coffee-break
- 16:00 h - Reunião de Trabalho
- 17:30 h - Encerramento

Data: 28 de outubro de 2000

Local: Hotel Vale do Tocantins

Folha 29, sn. qd. Esp, lote 01 - Nova Marabá - Marabá

Fone: (91) 322-2321

Informações:
(91) 324-3878

WORKSHOP

Estudo para Elaboração do Plano Diretor de Recuperação de
Áreas Degradadas do Estado do Pará

28 de outubro de 2000 / Marabá - Pará

F I C H A D E I N S C R I Ç Ã O

Nome: _____

Instituição/Empresa: _____

Função: _____

Endereço: _____

Fone: _____

Fax: _____

E-mail: _____

Relação dos Participantes WORKSHOP

Estudo para Elaboração do Plano Diretor de Recuperação de Áreas Degradadas do Estado do Pará
28 de outubro de 2000 – Marabá - Pará

	NOME	ENTIDADE	FUNÇÃO	ENDEREÇO	E-MAIL	FONE/FAX
1	Dr. Geraldo M. de Castro Veloso	Prefeitura de Marabá	Prefeito	São Francisco, 2350 Marabá		(0xx) 91 324-1134
2	Francisco Fausto Braga (NÃO COMPARECEU)	Prefeitura de São Domingos do Araguaia	Prefeito			
3	Geraldo Francisco de Moraes	Prof. de Brejo Grande do Araguaia	Prefeito	Tv. Peri 187 Brejo Grande do Araguaia		(0xx)91-332-1171 091331108-1105
4	Almir Ferreira Barros	Secr. Agr. Palestina do Pará	Secretário da Agr.	Rua Maga, 438 Palestina do Pará		(0xx)91-332-1179
5	Antonio Matos da Silva	Secr. Agr. São João do Araguaia	Secretário da Agr.	Pca. José Martins Ferreira São João do Araguaia		(0xx)91-321-1069
6	Paulo S. Altieri dos Santos	SECTAM	Coordenador de Proteção Ambiental	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	paulo_altieri@sectam.pa.gov.br	276-0731
7	Tatsuo Suzuki	JICA	Coordenador em Belém	Trav. Quintino Bocaiuva 1588 Ed. FIEPA bl A 2. Andar CEP 66035190 – Belém	jicabelm@libnet.com.br	241- 3001 fax: 241-0725
8	Yutaka Nozaki	JICA	Líder da Equipe de Estudo	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
9	Natsumi Kusuno	JICA	Intérprete	Trav. Lomas Valentinas, 2717 Marco - CEP. 66095-770	jica@sectam.pa.gov.br	276-5100 R. 245
10	Yasuhiro Onishi	JICA	Assessor Executivo	Trav. Quintino Bocaiuva 1588 Ed. FIEPA bl A 2. Andar CEP 66035190 – Belém	jicabelm@libnet.com.br	241- 3001 fax: 241-0725
11	Sérgio Dias	SECTAM	Técnico/Engenheiro Agrônomo	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém		276-0731
12	Benjamin Carlos Ferreira	SECTAM	Técnico/Engenheiro Agrônomo	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém		276-0731
13	Ivan Barbosa	SECTAM	Técnico/Economista	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém		276-0731

14	José Renato Duarte de Barros	SECTAM	Técnico/Engenheiro Florestal	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	sectam@amazon.com.br	276-0731
15	Sebastião Anísio dos Santos	SECTAM	Técnico/Engenheiro Florestal	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	sectam@amazon.com.br	276-0731
16	Miriam Cristine F. de Oliveira	SECTAM		Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	sectam@amazon.com.br	276-8564
17	Bogo Abe	JICA	Técnico	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
18	José Nakane	JICA	Técnico	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
19	Chelasami Murugaboopathi	JICA	Técnico	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
20	Wataru Yamamoto	JICA	Técnico	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
21	Kazumi Watanabe	JICA	Técnico	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
22	Manabu Kawaguchi	JICA	Técnico	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
23	Marilda Nakane	JICA	Coordenadora	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
24	Raimundo Moura	JICA	Intérprete	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
25	Emerson Tsunoda	JICA	Intérprete	Trav. Lomas Valentinas, 2717 Marco - 66095-770 - Belém	jica@sectam.pa.gov.br	276-5100 R. 245
26	Salvador Ribeiro de Vasconcelos	Central das Associações de Marabá	Diretor	Rua São Francisco, 2487 Marabá		(0xx)91 324-3778
27	Maria Josefa Santos Nascimento	EMATER	Supervisora	Av. Tocantins, s/nº Marabá		(0xx) 91-324-1381
28	Atanagildo de Jesus Matos	Conselho Nacional dos Seringueiros	Conselho	Rua 05 de abril, 596 Marabá	cns@skorpionet.com.br	(0xx) 91 321-1032
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