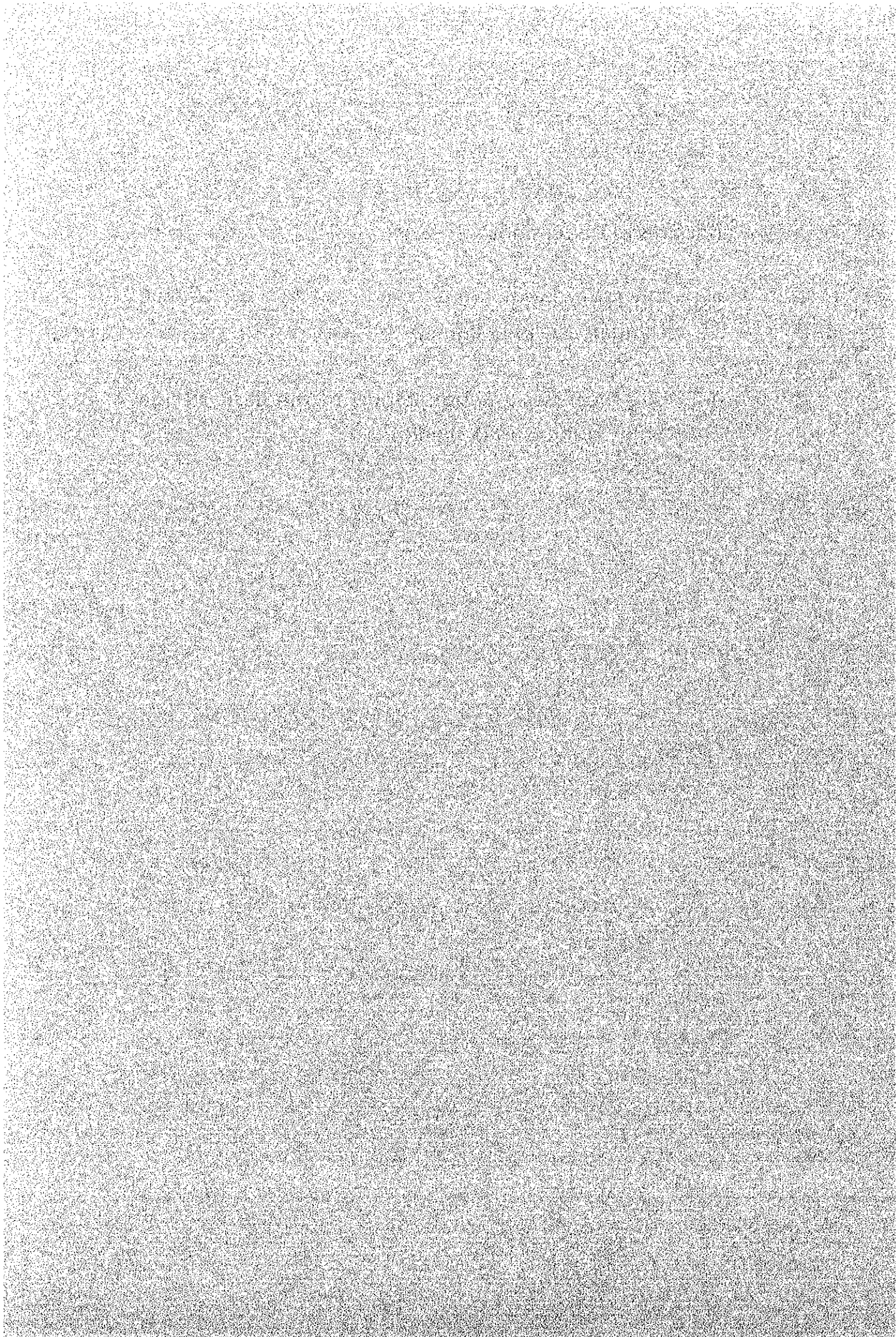


#### **4. Minutes of Discussions**

**4-1 The Basic Design Study  
(January 27, 1995 signed)**

**4-2 The Draft Basic Design Report of the Basic Design  
Study (June 5, 1995 signed)**



#### 4. Minutes of Discussions

##### 4-1 The Basic Design Study (January 27, 1995 signed)

MINUTES OF DISCUSSIONS  
ON  
BASIC DESIGN STUDY  
ON  
THE BIODIVERSITY CONSERVATION PROJECT  
IN  
THE REPUBLIC OF INDONESIA

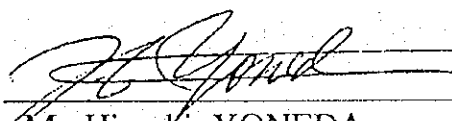
Based on the result of the Preliminary Study, the Japan International Cooperation Agency(JICA) decided to conduct a Basic Design Study on the Biodiversity Conservation Project (hereinafter referred to as "the Project").

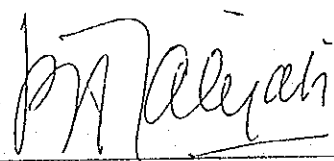
JICA sent to the Republic of Indonesia a study team, which is headed by Mr. Hiroshi YONEDA, Special Advisor to Managing Director, Grant Aid Study & Design Department, Japan International Cooperation Agency, and is scheduled to stay in the country from January 16 to February 12, 1995.

The team held discussions with the officials concerned of the Government of Indonesia and conducted a field survey at the study area.

During the team's stay in Indonesia, both parties have discussed the main items as described in the attached sheets. The team will proceed to further works in Japan for preparing the Basic Design Study report, which the team will complete, taking into account discussion with the officials concerned of Project-type Cooperation Programme.

Jakarta, January 27, 1995

  
\_\_\_\_\_  
Mr. Hiroshi YONEDA  
Leader,  
Basic Design Study Team,  
JICA

  
\_\_\_\_\_  
Dr. Budhy Tjahjati S. Soegijoko  
Assistant Minister for Community  
Participation and Integration  
in Development, BAPPENAS

## ATTACHMENT

### 1. Objective

The objective of the Project is to support biodiversity conservation and research activities of Indonesia, by means of facilities construction and equipment procurement, as a part of the Indonesian Biodiversity Conservation Programme which has been agreed among the Governments of the Republic Indonesia, Japan and the United States of America on August 26, 1994.

### 2. Project site

The project sites are confirmed as the following four locations. (See site maps at ANNEX I)

- (1)Cibinong, Bogor District for Zoological Collection Building including Biodiversity Information Centre(BIC)(20,000 sqm)
- (2)Kabandungan, Sukabumi District, for Headquarters of GHNP(17,875 sqm)
- (3)Cikaniki, Bogor District, for Research Station of Gunung Halimun National Park(GHNP)(560 sqm)
- (4)Bogor for Nature Conservation Information Centre(NCIC), PHPA office(300 sqm for old site or 1,400 sqm for new site)

### 3. Coordinating Organization and Executing Organization

An overall Program Coordinationg Committee, based on the Record of Discussion dated August 24,1994, will provide overall guidance. For the implementation of the G/A Project, the following project implementation structure will be used:

(1)Coordinating Organization:

The National Development Planning Agency(BAPPENAS)

(2)Executing Organization:

The Indonesian Institute of Sciences(LIPI),

The Directorate General of Forest Protection and Nature Conservation(PHPA),the Ministry of Forestry

### 4. Items requested by the Government of Indonesia

After discussions with the Basic Design Study team, the following items were finally requested by the Indonesian side.

- (1)Construction of Zoological Collection Building, including space for BIC, LIPI
- (2)Construction of Headquarters, GHNP, PHPA
- (3)Construction of Research Station, GHNP, PHPA
- (4)Construction of NCIC, PHPA
- (5)Procurement of Research Equipment for Zoological and Microbiological Division, RDCB, LIPI

- (6) Procurement of Data Processing and Training Equipment for BIC, RDCB, LIPI
- (7) Procurement of Equipment for Management, including Basic Research, Field Survey and Visitor Services for GHNP, PHPA
- (8) Procurement of Data Processing and Training Equipment for NCIC, PHPA

#### 5. Japan's Grant Aid System

- (1) The Republic of Indonesia has understood the system of Japan's Grant Aid in ANNEX II as explained by the team.
- (2) The Republic of Indonesia will take the necessary measures described in ANNEX III for the smooth implementation of the Project, in case the Grant Aid Assistance by the Japanese Government is extended to the Project.

#### 6. Schedule of the Study

- (1) The consultants of the team will proceed to further studies in Indonesia until February 12, 1995.
- (2) JICA will prepare the draft final report and dispatch a mission in order to explain its contents towards the end of April, 1995.
- (3) In case the contents of the report is accepted in principle by the Indonesian side, JICA will complete the final report and send it to the Government of Indonesia by July, 1995.

#### 7. Matters to Be Noted

##### (1) Zoological Collection Building

Space for Zoological Collection Building (collection rooms, staff rooms, laboratories, etc.) has been estimated on the basis of the space presently used at existing facilities at the Division of Zoology-RDCB as well as marine collections recently held by the RDC Oceanology (RDCO). In addition, space for collection rooms has also been calculated for storing specimens for the next ten years. It is noted that appropriate budget be prepared by the Indonesian side for building maintenance and running costs, particularly in air conditioning.

##### (2) Nature Conservation Information Centre (NCIC)

NCIC activities will focus on data processing for park conservation and management particularly for GHNP. As such, facilities for NCIC will consist of one or two computer rooms which will be renovated under the G/A Project. The study team recommended using the existing building at Bogor for NCIC (see ANNEX I) which PHPA has proposed since September 1994. This proposed site is located in the middle of Bogor city, which may have easy access. PHPA expects as a future plan that the function of NCIC will cover more national parks in Indonesia. PHPA requested the study team to consider constructing NCIC on a new site (see also ANNEX I). The study team will work closely with PHPA officials to determine the feasibility of constructing a NCIC at the new site.

### (3) Equipment

a. During the team's stay in Indonesia, it has become clear that (i) LIPI requested a database computer system having a capacity of up to 500,000 or so as a commencement for 4 million specimens held by RDCB and RDCO; and, (ii) it also requested Geographical Information System(GIS) and Image Processing for supporting the GIS. It is expected that data for 35,000 specimens(25,000 existing specimens and 10,000 to be increased) will be inputted in the first two years after the installation of requested computer equipment. Furthermore, inputs of about 500,000 specimens data would be completed during ten years from the installation. LIPI will be responsible for database loading.

b. The computer system will be accompanied by some applications of database information. Database for LIPI will provide mainly specimen information and for PHPA mainly park management information. The applications will produce biological specimen information, biological specimen information combined with geological information, transitional information on land development, simulation of a future transition of land, etc. Incidentally, LIPI is now engaged in inputting data of collected specimens on a personal computer level in order to use database for the computerized management. This system will make it easier to find specimens that researchers have requested. The P/C database system is different from the abovementioned database applications, although P/C level database will be in one system merged in the future.

c. NCIC of PHPA will be equipped with a computer system mainly for the purpose of National Park Planning and Management. GIS system will be one of the main systems. It is noted that NCIC may have access to LIPI's specimen database.

d. Equipment items at GHNP Research Station should be adequate for research and training purposes. The Research Station will not only be used as temporary accommodation and working space base, but also as a research station where equipment for both research and training activities are installed.

e. GHNP Headquarters will play a role as the centre of park management, i.e. research, education, administration, breeding enhancement, information, etc. Therefore, equipment should be adequately installed to meet the above role.

### (4) Contracting Organization

LIPI agreed to play a role of contracting organization on behalf of PHPA. There will be several consulting/ construction contracts to be made during Project implementation. LIPI is requested to appear in any such contract as a party, even though contract is related to PHPA's consulting /construction. In such a Project where there are two executing organizations like the present case (LIPI and PHPA), one organization(LIPI) should open a banking account for payments under G/A Project. PHPA, however, should always prepare any contract for its portion and only request to LIPI signatures for the contracts.

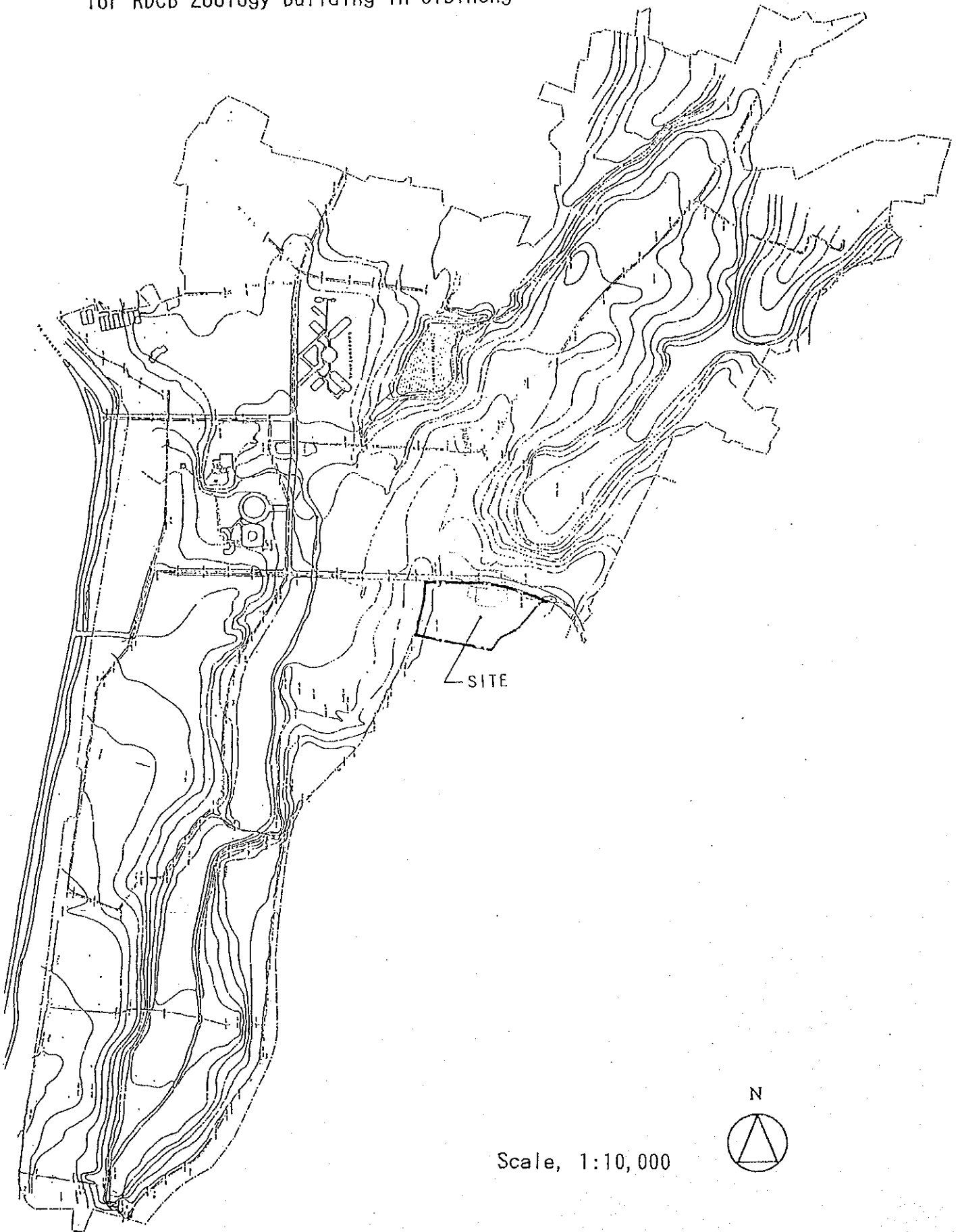
LIPI is required to pay commission for the use of banking account. Banking

account will be opened with an authorized foreign exchange bank in Japan.

(5) Other International Agency

Several international agencies have been involved in biodiversity protection. USAID is now finalizing an agreement with the government of Indonesia for supporting the Indonesian Biodiversity Foundation. The agreement is expected to be signed in February 1995. NGOs may start research and development towards the end of this year under Foundation program. Global Environment Facilities (GEF) project of the World Bank was effected in October 1994. Technical assistance by the Asian Development Bank has been initiated in relation to the development of Indonesian National Parks. To avoid duplication, in the course of G/A Project implementation, LIPI and PHPA will coordinate with these international agencies in equipment procurement, building construction and information system etc.

□ Proposed Site  
for RDCB Zoology Building in Cibinong

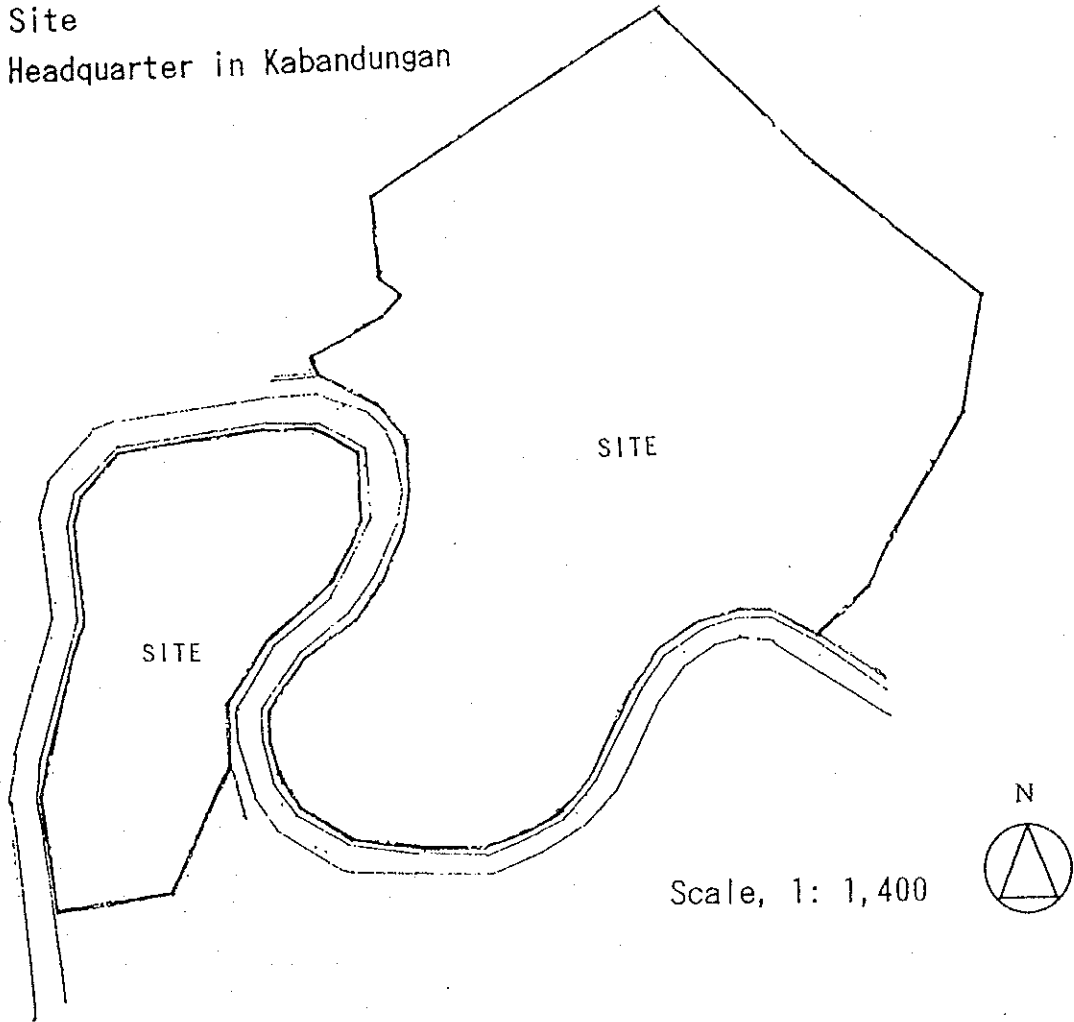


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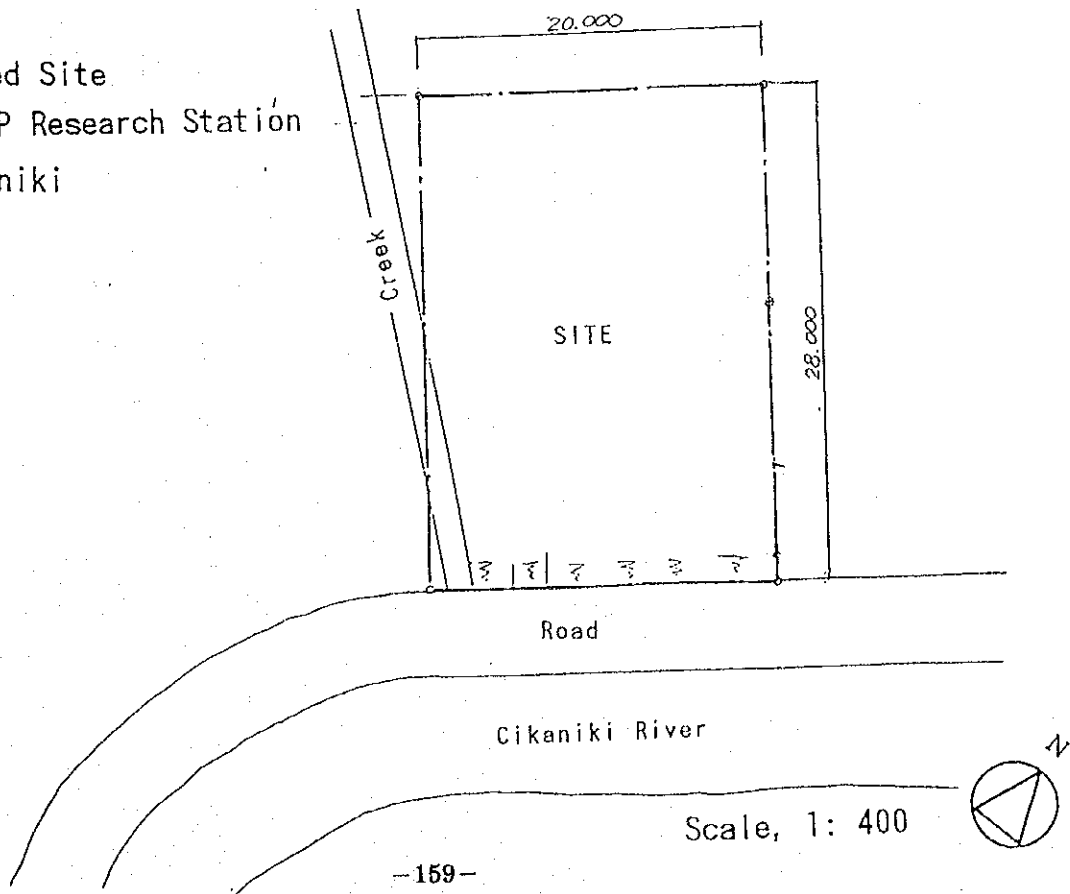
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Proposed Site  
for uHNP Headquarter in Kabandungan



Proposed Site  
for GHNP Research Station  
in Cikaniki



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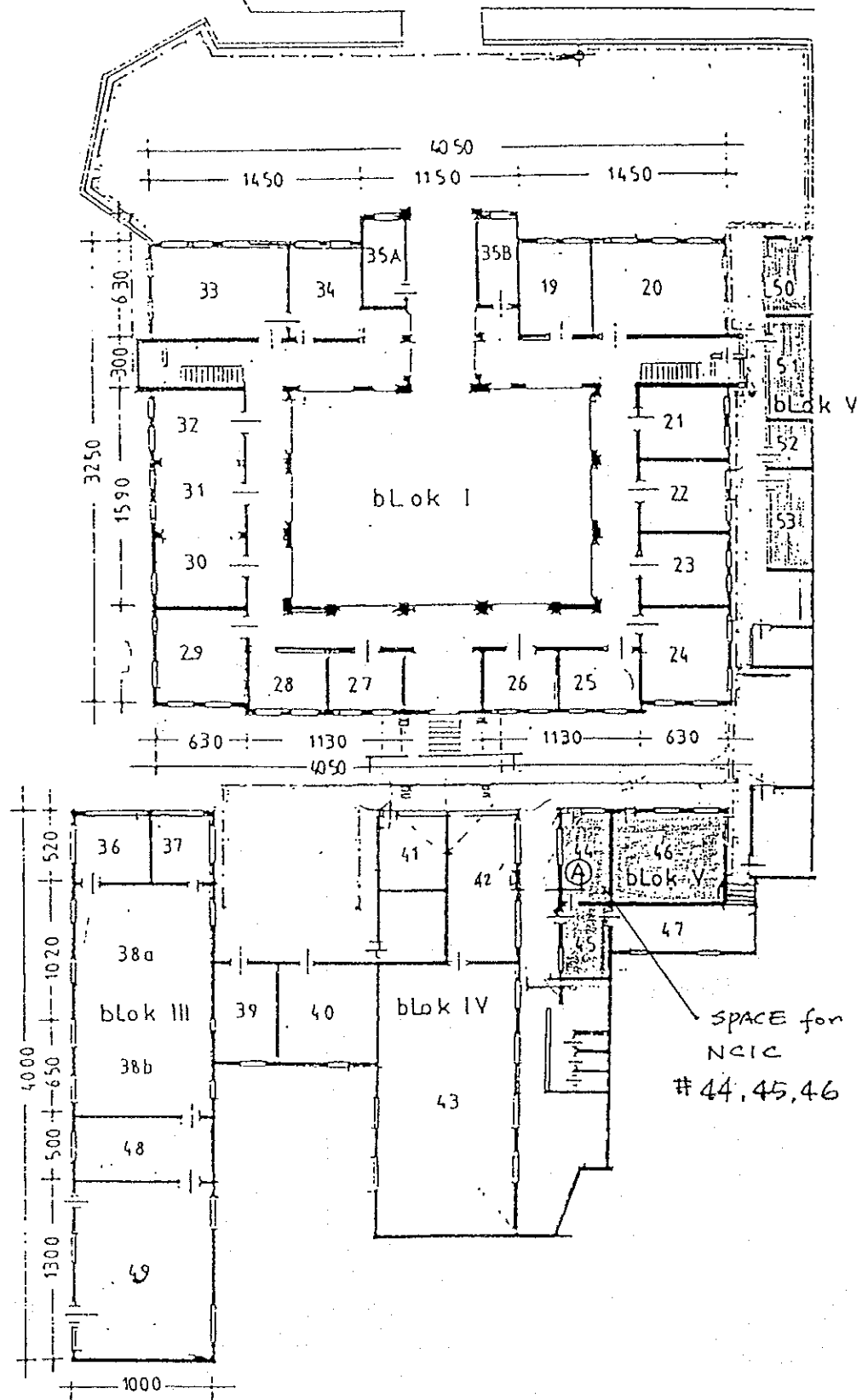
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□ Site for NCIC in Bogor

(ANNEX-1)-3

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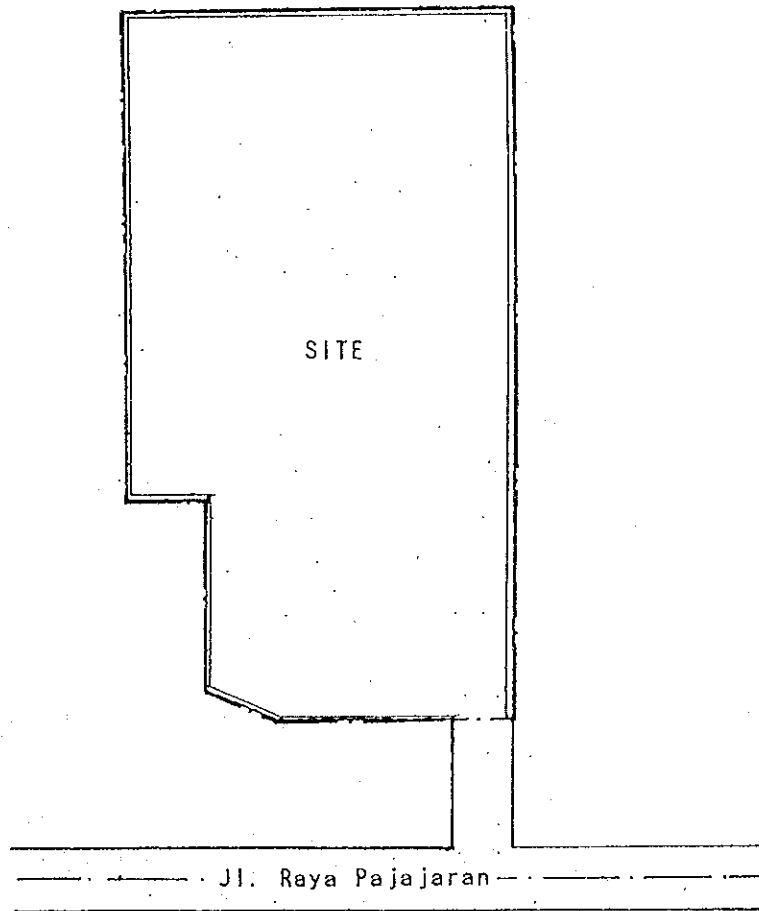
(Existing Building of Ministry of Forestry)



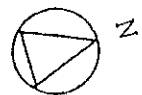
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□ Proposed Site for NCIC in Bogor



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Annex II

Japan's Grant Aid Scheme

1. *Grant Aid Procedures*

1) Japan's Grant Aid Program is executed through the following procedures.

|                      |  |
|----------------------|--|
| Application          | (Request made by a recipient country)                          |
| Study                | (Basic Design Study conducted by JICA)                         |
| Appraisal & Approval | (Appraisal by the Government of Japan and Approval by Cabinet) |
| Determination of     | (The Notes exchanged between the Governments                   |
| Implementation       | of Japan and the recipient country)                            |

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

## 2. Basic Design Study

### 1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Japanese Government. The contents of the Study are as follows:

- a) Confirmation of the background, objectives, and benefits of the requested project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.
- b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
- c) Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- d) Preparation of a basic design of the Project
- e) Estimation of costs of the Project

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

### 2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firms(s) based on proposals submitted by interested firms. The firm(s) selected carry (ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the Study is(are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency and also to avoid any undue delay in implementation should the selection process be repeated.

### 3. Japan's Grant Aid Scheme

#### 1) What is Grant Aid ?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

#### 2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

#### 3) "The period of the Grant Aid" means the one fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed.

However in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

#### 4) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However the prime contractors, namely, consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

5) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

6) Undertakings required of the Government of the Recipient Country

In the implementation of the Grant Aid project, the recipient country is required to undertake such necessary measures as the following:

- (1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- (2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- (3) To secure buildings prior to the procurement in case the installation of the equipment.
- (4) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- (5) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- (6) To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

7) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

8) "Re-export"

The products purchased under the Grant Aid should not be re-exported from the recipient country.

9) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.



## ANNEX III

### NECESSARY MEASURES TO BE TAKEN BY THE GOVERNMENT OF INDONESIA IN CASE JAPAN'S GRANT AID IS EXTENDED.

1. To secure, clear, level and reclaim the sites necessary for the G/A project prior to the commencement of the construction.
2. To undertake incidental outdoor works in and around the sites, if necessary, as follows:
  - (1) gardening,
  - (2) exterior lighting, and
  - (3) constructing fences and gates.
3. To provide following facilities of the sites,
  - (1) electricity distribution line (except Research Station for GHNP),
  - (2) water distribution main,
  - (3) drainage main
  - (4) gas main,
  - (5) telephone trunk line to the main distribution frame/panel of the building (except Research Station for GHNP), and
  - (6) general furniture (tables, chairs, carpets, curtains and others)
4. To construct the access road to the site, if necessary, prior to the commencement of the construction.
5. To secure permission of Building Application.
6. To bear the commissions to the Japanese foreign exchange bank for the banking services based upon the Banking Arrangement.
7. To exempt taxes including Value-Add-Tax and to take necessary measures for customs clearance of the equipment and materials brought by the G/A Project at the port of disembarkation.
8. To accord Japanese nationals, whose services may be required in connection with supply of the products and services under the verified contracts, such facilities as may be necessary for their entry into Indonesia and stay therein for the performance of their work.

9. To maintain and use properly and effectively the facilities constructed and equipment procured under the G/A Project.
10. To secure the budget for smooth removal of Zoological collection of RDCB to the new building constructed by G/A Project.
11. To bear all the expenses other than those to be borne by the Grant Aid necessary for the execution of the G/A Project.

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## 4-2 The Draft Basic Design Report of the Basic Design Study

MINUTES OF DISCUSSIONS  
BASIC DESIGN STUDY ON THE BIODIVERSITY  
CONSERVATION PROJECT  
IN  
THE REPUBLIC OF INDONESIA  
(CONSULTATION ON DRAFT REPORT)

In January 1995, the Japan International Cooperation Agency (JICA) dispatched a Basic Design Study team on Grant Aid for the Biodiversity Conservation Project (hereinafter referred to as "the G/A Project") to the Republic of Indonesia, and through discussions, field survey, and technical examination of the results in Japan, has prepared the draft report of the study.

JICA sent to Indonesia a study team, which is headed by Mr. Tetsuya Sumi, Assistant Director, Grant Aid Division, Economic Cooperation Bureau, Ministry of Foreign Affairs from May 31 to June 6, with the purpose of explaining and consulting the Indonesian side on the components of the draft report.

As a result of discussions, both parties confirmed the main items described on the attached sheets.

Jakarta, June 5, 1995



Mr. Tetsuya Sumi  
Leader  
Draft Report Explanation  
Team, JICA



Dr. Budhy Tjahjati S. Soegijoko  
Assistant Minister for Community  
Participation and Integration  
in Development, BAPPENAS

## ATTACHMENT

### 1. Objective

The objective of the G/A Project is to support biodiversity conservation and research activities of Indonesia, by means of facility construction and equipment procurement, as a part of the Indonesian Biodiversity Conservation Program which has been agreed among the Governments of the Republic of Indonesia, Japan, and the United States of America on August 26, 1994.

### 2. Contents of Draft Report

The Government of Indonesia has agreed and accepted in principle the components of the Draft Report proposed by the team.

### 3. Japan's Grant Aid system

- (1) The Government of Indonesia will take necessary measures described in Annex I for smooth implementation of the G/A Project on condition that the Grant Aid assistance by the Government of Japan is extended to the G/A Project.
- (2) The Government of Indonesia has understood the system of Japans Grant Aid Scheme explained by the team as attached in Annex II.

### 4. Further schedule

JICA will complete the final report in accordance with the confirmed items, and send it to the Government of Indonesia by the beginning of July 1995.

### 5. Other relevant issues

#### (1) Information equipment for LIPI

Information equipment to be procured for LIPI should be designed in line with the purpose of LIPI's activities, being considered of LIPI's capacity of operation and maintenance.

Information Processing System Configuration for LIPI is described in Annex III.

#### (2) Facility of NCIC

- 1) The address of Construction site of NCIC confirmed by Indonesian side is Jl. Raya Pajajaran No. 79, Bogor.

- 2) It is confirmed that on the completion of NCIC building.
  - a) All the equipment for GIS which is now installed in the PHPA Bogor office will be transferred to the new building.
  - b) Staff members of Mapping Section, Conservation Planning Subdirectorate, Directorate of Conservation Programming, PHPA and newly recruited staff members who have the expertise in GIS and related activities will be stationed at the new building on full time basis. The team was explained that the total number of staff at the time of starting NCIC will be between 14 and 20.
- 3) Before the starting of the construction work, the Government of Indonesia will take necessary measures,
  - a) To demolish the existing building and clear the land within two months after the commencement of the Project is informed by Japanese Government.
  - b) To construct the retaining wall at the rear side of the Construction site.
- (3) Operation and maintenance cost  
Indonesian side has agreed to take necessary measures to secure the additional budget for the operation and maintenance of the Project, which amount was presented by the team.

ANNEX I

NECESSARY MEASURES TO BE TAKEN BY THE GOVERNMENT OF INDONESIA  
IN CASE JAPAN'S GRANT AID IS EXTENDED.

1. To secure, clear, level and reclaim the sites necessary for the G/A project prior to the commencement of the construction.
2. To undertake incidental outdoor works in and around the sites, if necessary, as follows :
  - (1) gardening,
  - (2) exterior lighting, and
  - (3) constructing fences and gates.
3. To provide following facilities of the sites,
  - (1) electricity distribution line (except Research Station for GHNP),
  - (2) water distribution main,
  - (3) drainage main
  - (4) gas main,
  - (5) telephone trunk line to main distribution frame/panel of the building (except Research Station for GHNP), and
  - (6) general furniture (tables, chairs, carpets, curtains and others)
4. To construct the access road to the site, if necessary, prior to the commencement of the construction.
5. To secure permission of Building Application.
6. To bear the commissions to the Japanese foreign exchange bank for the banking services based upon the Banking Arrangement.

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7. To exempt taxes including Value-Add-Tax and to take necessary measures for customs clearance of the equipment and materials brought by the G/A Project at the port of disembarkation.
8. To accord Japanese nationals, whose services may be required in connection with supply of the products and services under the verified contracts, such facilities as may be necessary for their entry into Indonesia and stay therein for the performance of their work.
9. To maintain and use properly and effectively the facilities constructed and equipment procured under the G/A Project.
10. To secure the budget for smooth removal of Zoological collection of RDCB to the new building constructed by G/A Project.
11. To bear all the expenses other than those to be borne by the Grant Aid necessary for the execution of the G/A Project.

Annex II

Japan's Grant Aid Scheme

1. *Grant Aid Procedures*

1) Japan's Grant Aid Program is executed through the following procedures.

Application (Request made by a recipient country)

Study (Basic Design Study conducted by JICA)

Appraisal & Approval (Appraisal by the Government of Japan and Approval by Cabinet)

Determination of (The Notes exchanged between the Governments

Implementation of Japan and the recipient country)

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.



## 2. Basic Design Study

### 1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Japanese Government. The contents of the Study are as follows:

- a) Confirmation of the background, objectives, and benefits of the requested project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.
- b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
- c) Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- d) Preparation of a basic design of the Project
- e) Estimation of costs of the Project

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

### 2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firms(s) based on proposals submitted by interested firms. The firm(s) selected carry (ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the Study is(are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency and also to avoid any undue delay in implementation should the selection process be repeated.

### 3. *Japan's Grant Aid Scheme*

#### 1) What is Grant Aid ?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

#### 2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

#### 3) "The period of the Grant Aid" means the one fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed.

However in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

#### 4) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However the prime contractors, namely, consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

5) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

6) Undertakings required of the Government of the Recipient Country

In the implementation of the Grant Aid project, the recipient country is required to undertake such necessary measures as the following:

- (1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- (2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- (3) To secure buildings prior to the procurement in case the installation of the equipment.
- (4) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- (5) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- (6) To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

7) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

8) "Re-export"

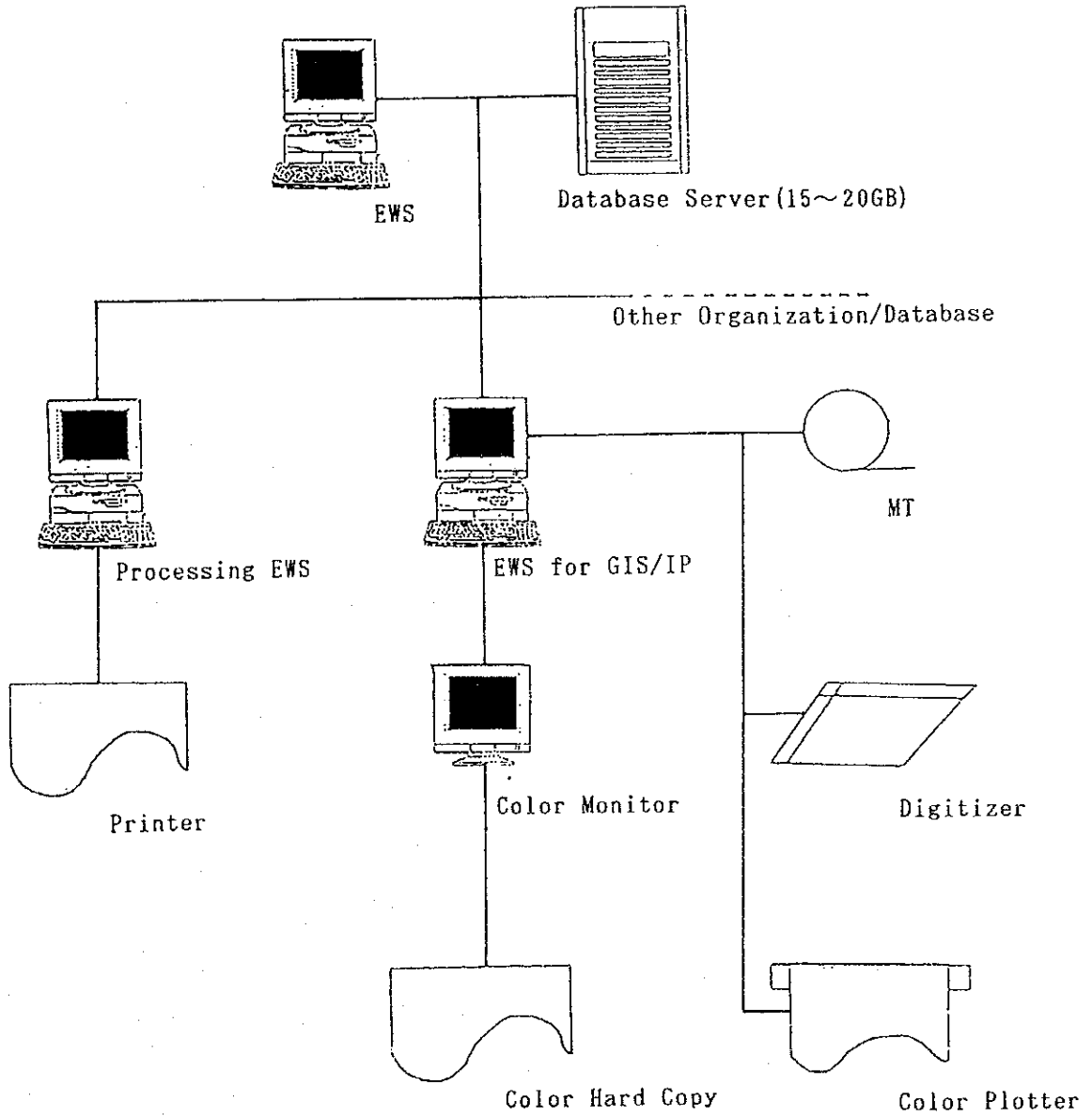
The products purchased under the Grant Aid should not be re-exported from the recipient country.

9) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.

Annex III  
Information Processing System Configuration (LIPI)



S.S.

12/3

## **5. Activities Funded by GEF and JICA**

## 5. Activities Funded by GEF and JICA

| No. | G E F   | Expected from JICA   |
|-----|---|--|
| 1.  | <p><b>EQUIPMENT AND SUPPLIES</b></p> <p><b>EQUIPMENT:</b></p> <p><b>1. <u>Central Management</u></b><br/> Photocopying machine<br/> Personal Computers<br/> Computer printers (B/W)<br/> Modems<br/> Mobile handphone<br/> Fax machine<br/> Air conditioning<br/> Overhead projectors<br/> PC overhead<br/> Presentation board (etc.)<br/> PC plotters<br/> UPS<br/> Library shelves<br/> Library drawers</p> <p><b>2. <u>Botany Facility Center</u></b><br/> Air conditioning<br/> Ceiling fans<br/> Specimen storage cabinets<br/> Cooling system<br/> Trolleys<br/> Freezers<br/> Dissecting microscopes<br/> Dark room equipment<br/> Library shelving<br/> Plant pressers<br/> Field collection equipments<br/> GPS</p> <p><b>3. <u>Zoology Facility Center</u></b><br/> Specimen storage cabinets<br/> Wooden drawers<br/> Carboard trays<br/> Trolleys<br/> Microscope slide cabinets<br/> Insect mounting equipment<br/> ● Refrigerators<br/> ● Deep freezers<br/> Dissecting microscopes (simple, high-power)<br/> Microtome<br/> Dark room equipment<br/> Library shelving<br/> GPS</p> | <p>Research equipment for Zoology and Microbiology.<br/> Computer set (EWS for image processing, mapping, database management) and necessary accessories (printers, UPS, plotter, etc.).</p> |

| No. | G E F  | Expected from JICA  |
|-----|--|---|
|     | <p>4. <u>Information-System Center</u><br/> PC Servers<br/> PC client/workstations<br/> LAN-cards &amp; cables<br/> WAN-cards &amp; cables<br/> Printers (B/W)<br/> UPS<br/> PC-LAN units (Botany)<br/> PC-LAN units (Zoology)<br/> PC-LAN unit (Center)<br/> PC-LAN hubs &amp; adaptors<br/> Modem<br/> Software (communication, commercial, database, system security)</p> <p>5. <u>Collaboration Services</u><br/> Personal computers<br/> Printers<br/> Modem<br/> UPS<br/> Office furniture</p> <p><b>SUPPLIES</b></p> <p>1. <u>Central Management</u><br/> Office supplies</p> <p>2. <u>Botany Facility Center</u><br/> Mounting papers<br/> Species covers<br/> Genus covers<br/> Plastic bags<br/> Glass jars<br/> Preserving fluid<br/> Herbarium sample boxes<br/> Dark room supplies</p> <p>③ <u>Zoology Facility Center</u><br/> Preserving fluid<br/> Glass jars<br/> Glass specimen tubes<br/> Universal bottles<br/> Containers<br/> Insecticides<br/> Labels<br/> Chemicals<br/> Packing materials<br/> Dark room supplies<br/> Traps &amp; nets<br/> Curatorial supplies<br/> Protective clothing</p> | <p>Necessary supplies for research activities, especially in relation with the study done in Gn Halimun National Park (field work supplies and collection maintenance supplies, e.g. plastic bags, jars, alcohol, traps, nets, GPS, etc.)</p> |



| No. | G E F   | Expected from JICA   |
|-----|---|--|
| 2.  | <b>BUILDING</b><br>Facility improvement for Herbarium   | Zoological Building in Cibinong  |
| 3.  | <b>HUMAN RESOURCE DEVELOPMENT</b><br><br>1. <u>Botany Division</u><br>Training course for Project Coordinator for Botany, Collection Managers, field inventory & monitoring, and internal program.<br><br>2. <u>Zoology Division</u><br>Training course for Project Coordinator for Zoology, Collection Managers, field inventory & monitoring, and internal program.<br><br>3. <u>Information System</u><br>Training course for system manager.<br><br>4. <u>Scientific Collaboration &amp; Services</u><br>Graduate scholarship and language training for M.Sc. and Ph.D. for 18 persons. | Training course in agreed fields (taxonomy, ecology, physiology, etc.) and GIS operator.<br>Experts in the agreed fields to do the cooperative studies in Gn. Halimun National Park. |
| 4.  | <b>INFORMATION SYSTEM</b><br><br>System specification:<br>- Database workshop<br>- User-needs analysis<br>- Functional requirement<br><br>Software Development/Support:<br>- Technical design<br>- Data model<br>- Programming<br>- System integration<br>- Testing and commissioning<br><br>System management/data entry   | Cooperation of experts in developing the information system in Puslitbang Biologi-LIPI.  |

## **6. Condition of the Project Site**

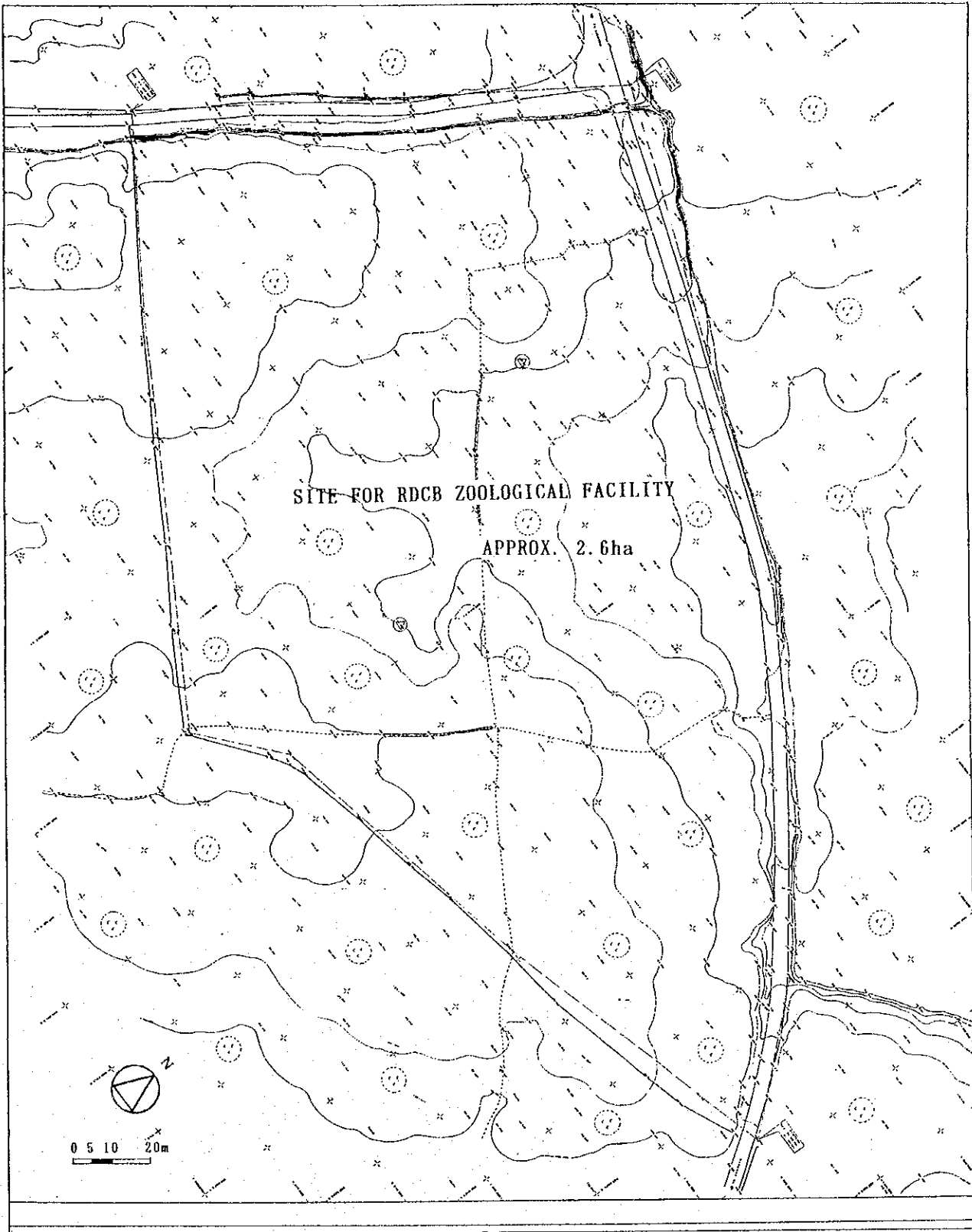
### **6-1 Site Survey Map**

### **6-2 Boring Data (the Site for RDCB Zoological Facility)**

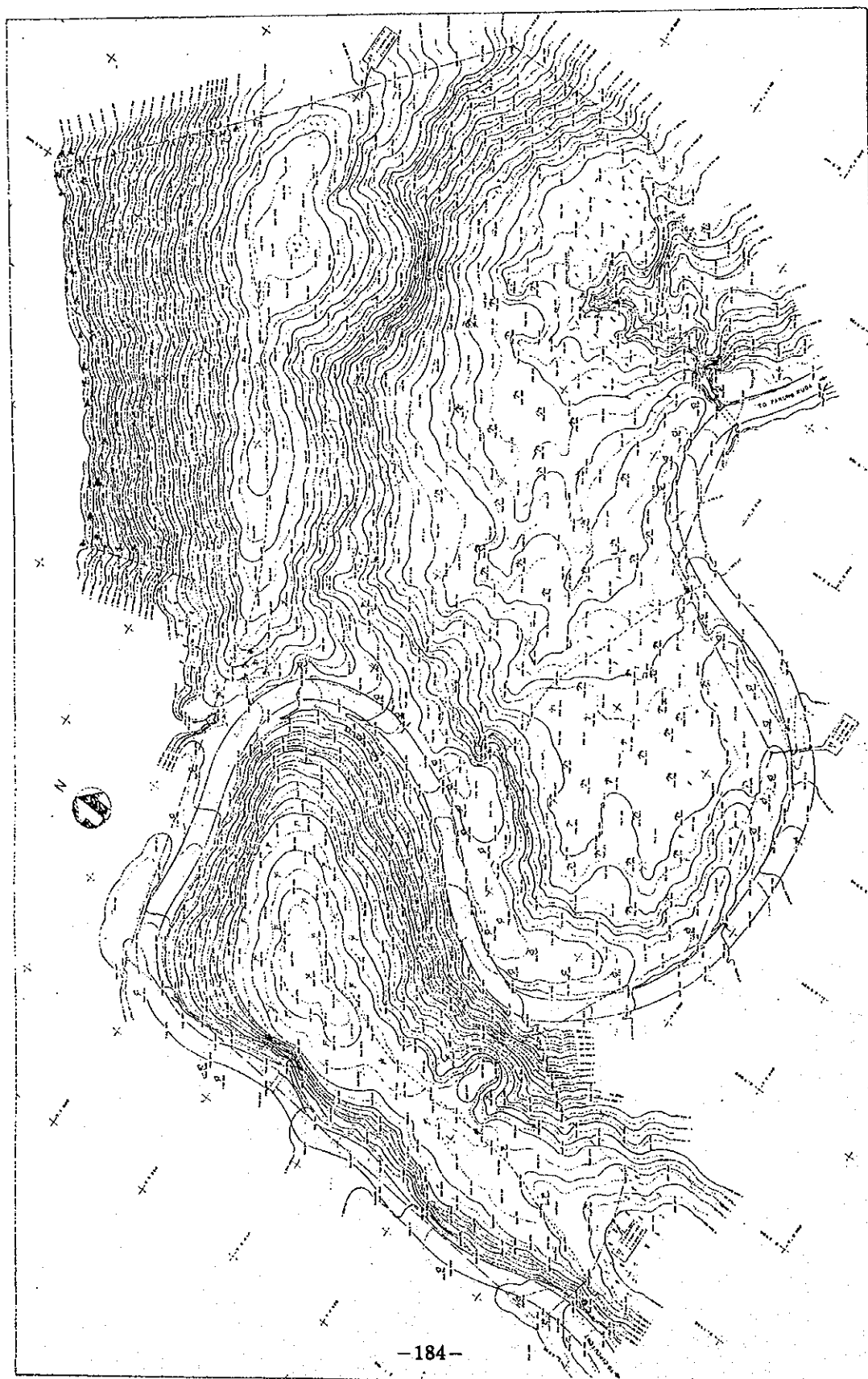
# 6. Condition of the Project Site

## 6-1 Site Survey Map

### Site for RDCB Zoological Facility



Site for GNP Headquarters



SECRET

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

SITUATION MAP

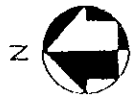
|                  |                               |
|------------------|-------------------------------|
| Scale            | 1:50,000                      |
| Projection       | Universal Transverse Mercator |
| Zone             | 48N                           |
| Grid             | 1000m                         |
| Contour Interval | 20m                           |
| Vertical Datum   | Mean Sea Level                |
| Horizontal Datum | WGS 84                        |
| Map Sheet        | 1000000000                    |
| Sheet No.        | 1000000000                    |
| Scale            | 1:50,000                      |
| Projection       | Universal Transverse Mercator |
| Zone             | 48N                           |
| Grid             | 1000m                         |
| Contour Interval | 20m                           |
| Vertical Datum   | Mean Sea Level                |
| Horizontal Datum | WGS 84                        |
| Map Sheet        | 1000000000                    |
| Sheet No.        | 1000000000                    |

PROPOSED SITE FOR GNP HEADQUARTERS

# Site for GAMP Research Station

## THE BIODIVERSITY PROJECT

- REMARK**
- 0.5 = 5m
  - Contour 0.3 = 1m
  - 0.1 = 0.3m
  - Bench Mark
  - Stick Mark
  - Area Boundary
  - Existing Road
  - Existing Bridge
  - Spot Height

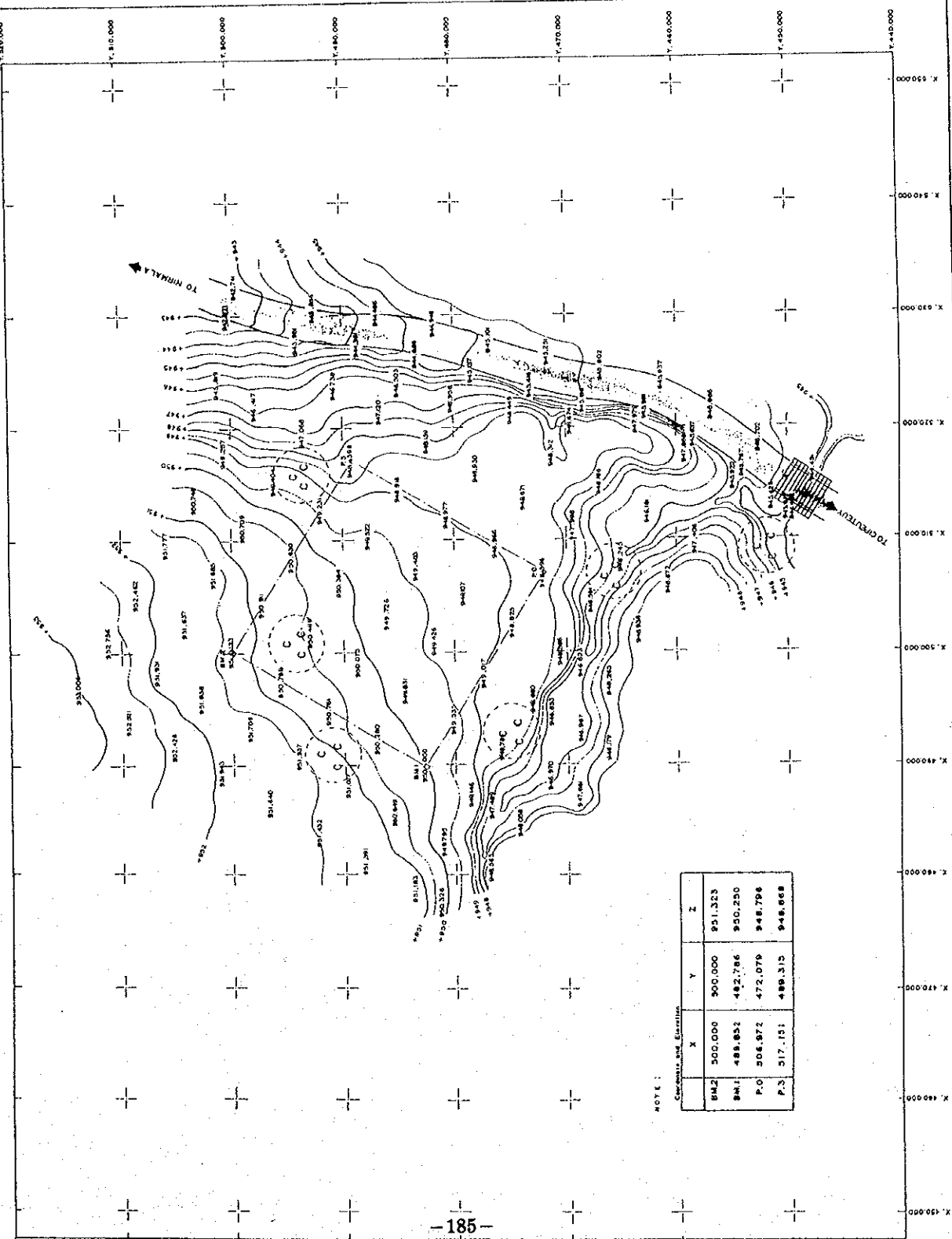


### SITUATION MAP

|             |       |      |
|-------------|-------|------|
| Drawing by  | SIGN. | DATE |
| Checked by  |       |      |
| Approved by |       |      |

**PT. JATA NURMAN**  
Geomatics Engineers & Cartographers, Inc.

**PROJECT SITE**  
CIKANIKI SUKABUMI  
FOR  
HEADQUARTER OF M.HALIMUN  
NASIONAL PARK



NOTE:

Coordinate and Elevation

|     | X       | Y       | Z       |
|-----|---------|---------|---------|
| BM2 | 500.000 | 300.000 | 951.323 |
| BM1 | 488.832 | 482.766 | 950.250 |
| P.O | 506.972 | 472.079 | 948.794 |
| P.3 | 517.151 | 489.315 | 948.668 |

**6-2 Boring Data (the Site for RDCB Zoological Facility)  
Boring Points**

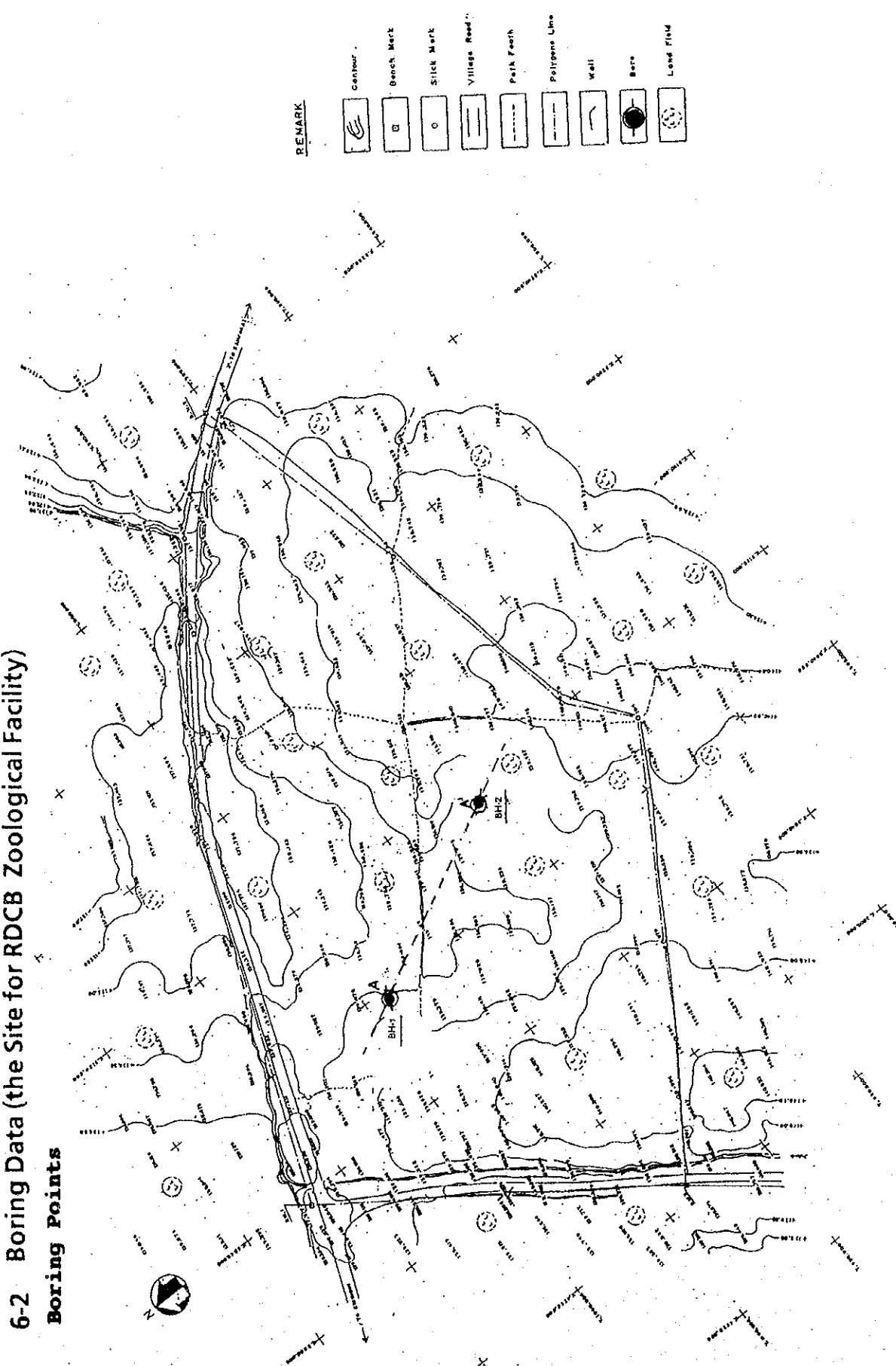
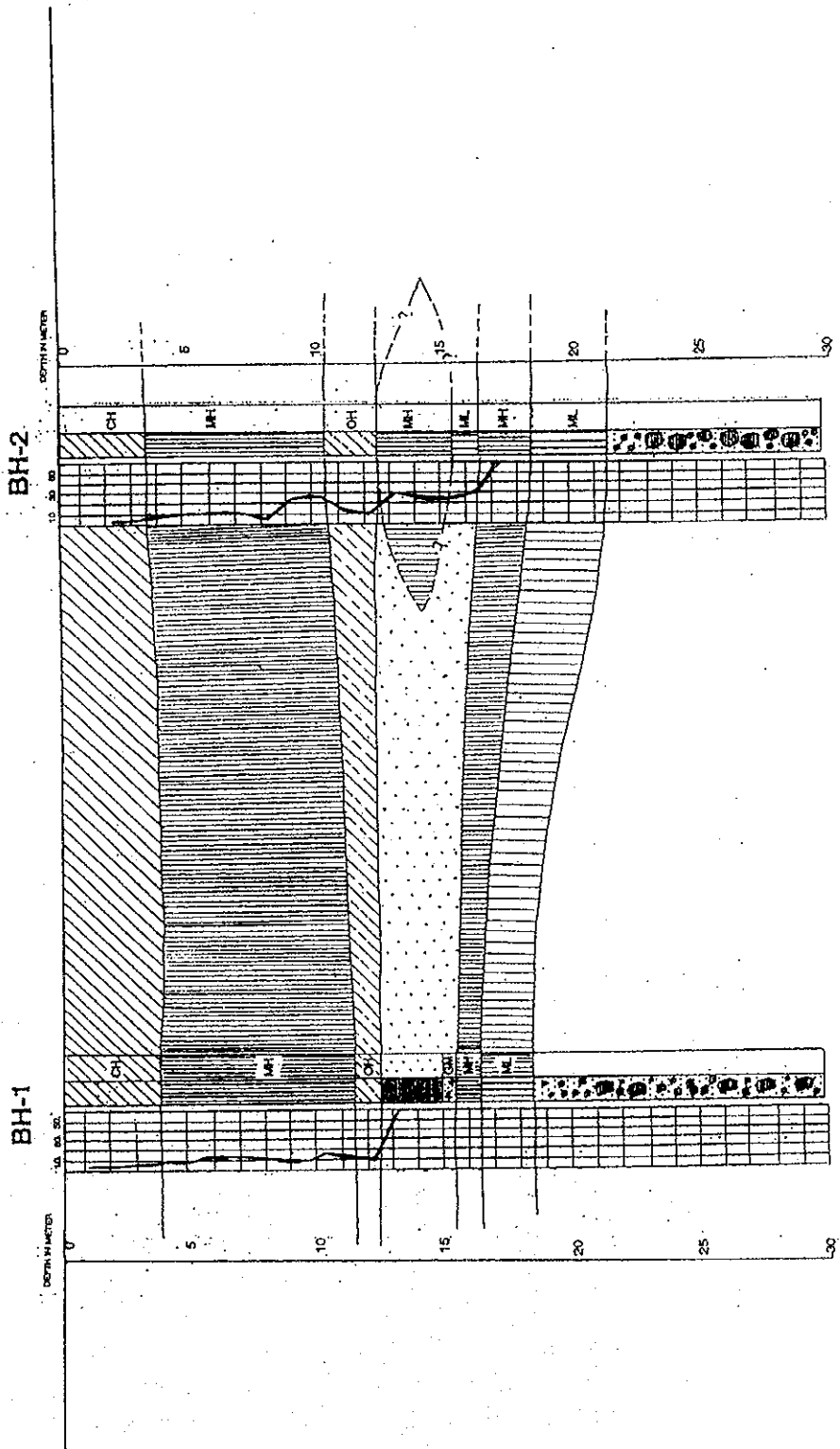


FIGURE 1 SECTION A-A

# Soil Profile

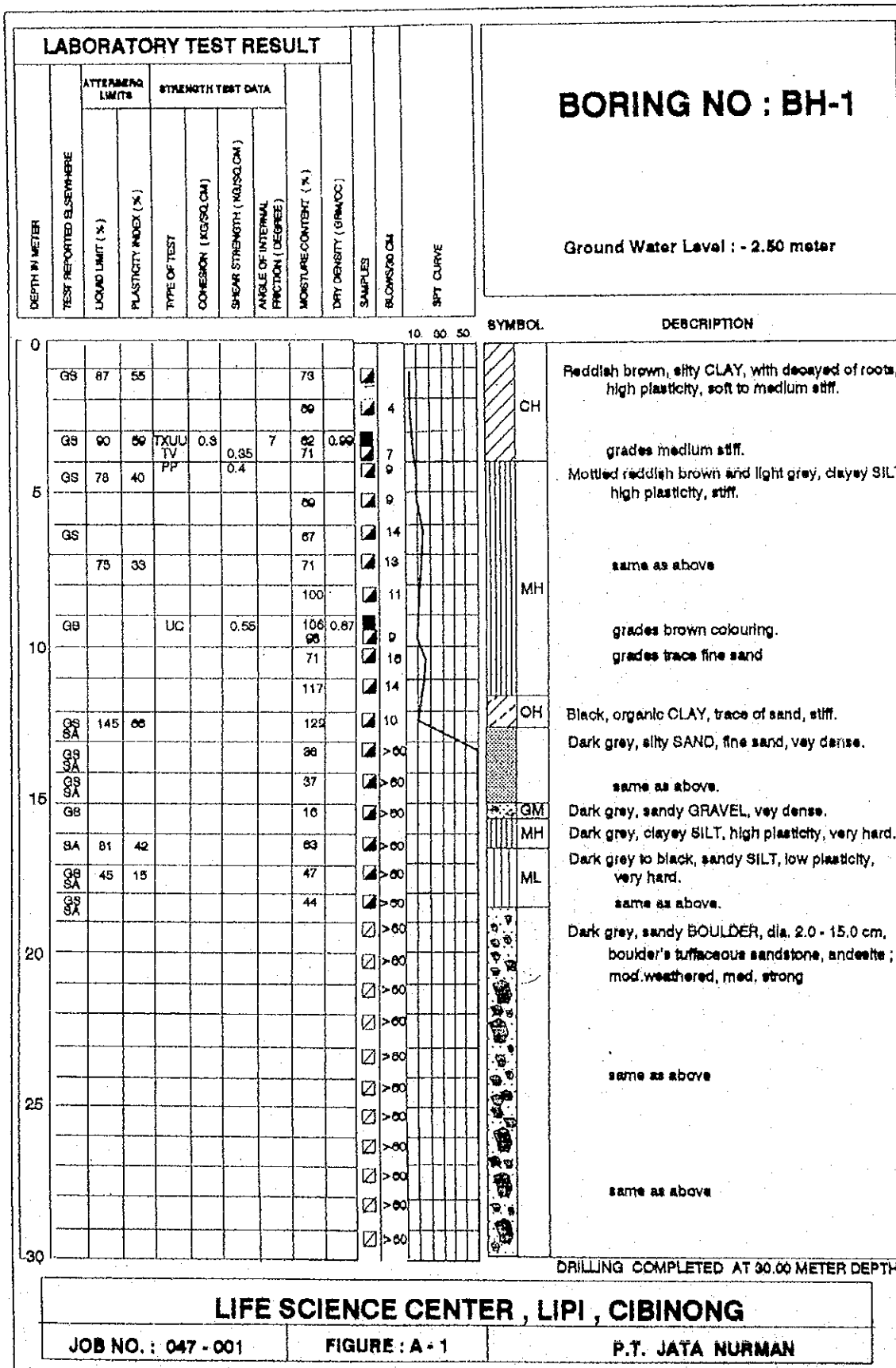


Note: The figure was developed from boring data and is most representative of actual conditions at the local and immediate vicinity. Horizontal dimension is not to scale.

FIGURE 2 GENERALIZED SOIL PROFILE ALONG SECTION A-A

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### Boring Data (BH-1)



DRILLING COMPLETED AT 30.00 METER DEPTH

### LIFE SCIENCE CENTER , LIPI , CIBINONG

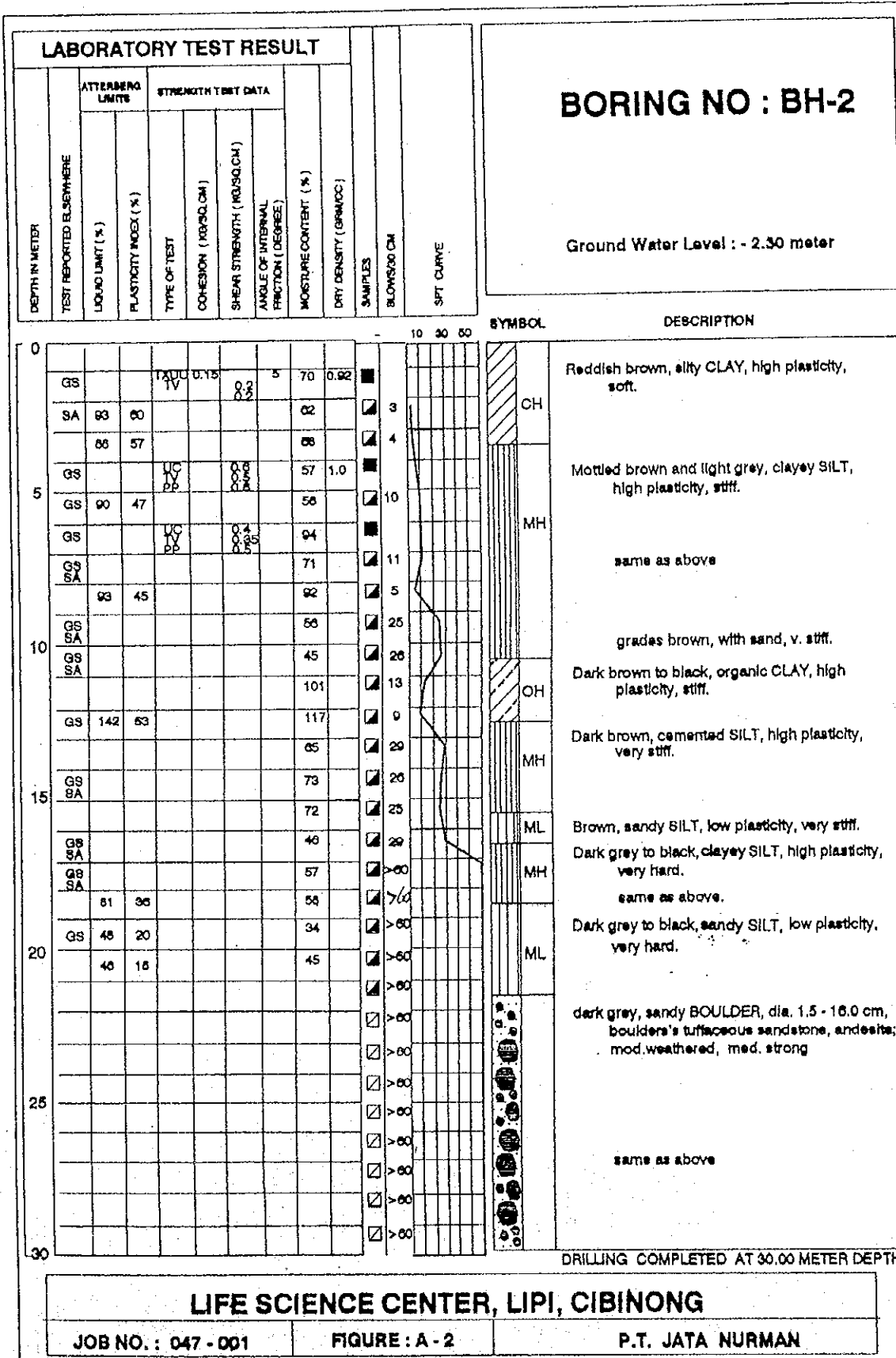
JOB NO. : 047 - 001

FIGURE : A - 1

P.T. JATA NURMAN



# Boring Data (BH-2)



## SAMPLE

- INDICATES DEPTH OF SAMPLING ATTEMPT WITH NO RECOVERY
- INDICATES DEPTH OF UNDISTURBED SAMPLES

## S. P. T. SAMPLES

- INDICATES DEPTH OF SAMPLING ATTEMPT WITH NO RECOVERY
- INDICATES DEPTH OF DISTURBED SAMPLES

## BLOW COUNTS

- N — HAMMER DROPPING A VERTICAL DISTANCE OF 76.0 CM
- ] — CORING

## LABORATORY TEST ABBREVIATION

- DSUU . DIRECT SHEAR UNCONSOLIDATED UNDRAINED
- GS . GRAIN SIZE ANALYSIS
- SG . SPECIFIC GRAVITY
- PL . PLASTIC LIMIT
- LL . LIQUID LIMIT
- PI . PLASTICITY INDEX
- UC . UNCONFINED COMPRESSION TEST
- TXUU . TRIAXIAL UNCONSOLIDATED UNDRAINED

## FIELD TEST ABBREVIATION

- RQD ROCK QUALITY DESIGN (%)
- TV POCKET TORVANE
- PP POCKET PENETROMETER
- DCPT DYNAMIC CONE PENETRETION TEST

## GROUND WATER LEVEL



INDICATE THE DEPTH OF GROUND WATER

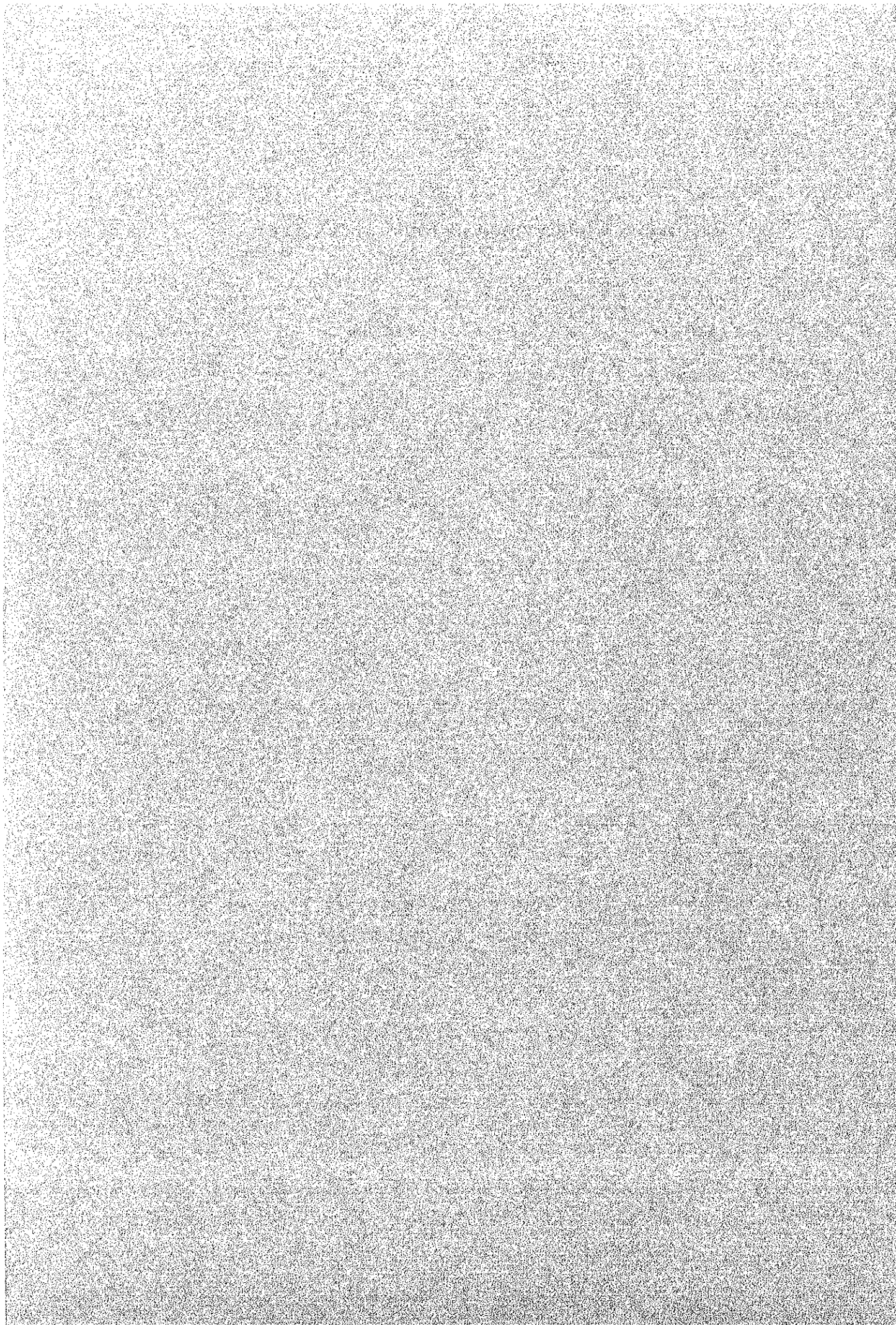
# KEY TO LOG OF BORING AND SYMBOL USED IN TEXT

JOB NO : 047-002

FIGURE : A-3

P.T. JATA NURMAN

## 7. Water Quality Analysis Table



## 7. Water Quality Analysis Table

Site for **GNP Headquarters (Kabandungan)**



PEMERINTAH DAERAH KHUSUS IBUKOTA JAKARTA  
**PERUSAHAAN DAERAH AIR MINUM**

Jalan Penjernihan II — Pejompongan  
Telp. : 5704614 - 582938 - 5704546 - 5704315 - 5704568 - 5704250  
Telex : 44216 PAM JAYA



Jakarta, ..... 26 - Januari 1995 *Kabandungan*

Nomor Lab : 435/Lab/I/1995  
Nama : Bapak Saito  
Alamat : Jl Sumatra No.8 Jakarta - Pusat  
Jenis Contoh Air : Air tanah (kedalaman : m) / Air sesudah treatment  
Lokasi : Gg Halimun - Bogor  
Kec. :  
Kec. :  
Tanggal Penerimaan : 25 - Januari 1995

### ANALISA FISIKA/KIMIA

| <u>Fisika</u>                      | <u>Hasil Analisa</u> | <u>Standar Air Bersih</u> | <u>Satuan</u> |
|------------------------------------|----------------------|---------------------------|---------------|
| 1. Warna                           | 8                    | 50                        | Skala Pt—Co   |
| 2. Bau                             | -                    | Tidak berbau              | —             |
| 3. Rasa                            | -                    | Tidak berasa              | —             |
| 4. Kekeruhan                       | 1,1                  | 25                        | NTU           |
| 5. Jumlah zat padat terlarut (TDS) | 31,7                 | 1500                      | mg/l          |
| <b><u>Kimia</u></b>                |                      |                           |               |
| 6. Zat Organik (KMnO4)             | 2,44                 | 10                        | mg/l          |
| 7. Derajat Keasaman (pH)           | 5,9 **               | 6,5 — 9,0                 | —             |
| 8. Kesadahan jumlah (CaCO3)        | 60,35                | 500                       | mg/l          |
| 9. Besi                            | 0,1                  | 1,0                       | mg/l          |
| 10. Mangan                         | 0,112                | 0,5                       | mg/l          |
| 11. Sulfat                         | 8                    | 400                       | mg/l          |
| 12. Ammonium                       | ttd                  | 0,8                       | mg/l          |
| 13. Nitrit (sbg—N)                 | 0,019                | 1,0                       | mg/l          |
| 14. Klorida                        | 16,33                | 600                       | mg/l          |
| 15. Sisa Klor                      | -                    | -                         | mg/l          |
| 16. ....                           |                      |                           |               |
| 17. ....                           |                      |                           |               |

Berdasarkan analisa parameter diatas

### KESIMPULAN

Air tersebut dinyatakan :

— Memenuhi syarat—

— Tidak memenuhi syarat

> sebagai air bersih.





PEMERINTAH DAERAH KHUSUS IBUKOTA JAKARTA  
**PERUSAHAAN DAERAH AIR MINUM**



Jalan Penjernihan II — Pejompongan  
 Telp. : 5704614 - 582938 - 5704546 - 5704315 - 5704568 - 5704250  
 Telex : 44216 PAM JAYA

Cikaniki

Jakarta, 3 Pebruari 1995

Nomor Lab : 16/Lab/II/1995  
 Nama : Bapak Saito  
 Alamat : Cikaniki  
 Jenis Contoh Air : Air tanah (kedalaman : m) / Air sesudah treatment  
 Lokasi : sda  
 Kel. :  
 Kec. :  
 Tanggal Penerimaan : 1 - Pebruari 1995

**ANALISA FISIKA/KIMIA**

| <u>Fisika</u>                      | <u>Hasil Analisa</u> | <u>Standar Air Bersih</u> | <u>Satuan</u> |
|------------------------------------|----------------------|---------------------------|---------------|
| 1. Warna                           | 3                    | 50                        | Skala Pt—Co   |
| 2. Bau                             | -                    | Tidak berbau              | —             |
| 3. Rasa                            | -                    | Tidak berasa              | —             |
| 4. Kekeruhan                       | 1,1                  | 25                        | NTU           |
| 5. Jumlah zat padat terlarut (TDS) | 52,2                 | 1500                      | mg/l          |
| <b>Kimia</b>                       |                      |                           |               |
| 6. Zat Organik (KMnO4)             | 4,29                 | 10                        | mg/l          |
| 7. Derajat Keasaman (pH)           | 6,8                  | 6,5—9,0                   | —             |
| 8. Kesadahan jumlah (CaCO3)        | 46,54                | 500                       | mg/l          |
| 9. Besi                            | ttd                  | 1,0                       | mg/l          |
| 10. Mangan                         | 0,075                | 0,5                       | mg/l          |
| 11. Sulfat                         | 9                    | 400                       | mg/l          |
| 12. Ammonium                       | ttd                  | 0,8                       | mg/l          |
| 13. Nitrit (sbg—N)                 | 0,013                | 1,0                       | mg/l          |
| 14. Klorida                        | 15,62                | 600                       | mg/l          |
| 15. Sisa Klor                      | -                    | —                         | mg/l          |
| 16.....                            |                      |                           |               |
| 17.....                            |                      |                           |               |

Berdasarkan analisa parameter diatas

**KESIMPULAN**

Air tersebut dinyatakan :

- Memenuhi syarat
- Tidak memenuhi syarat

PERUSAHAAN DAERAH AIR MINUM  
 DAERAH KHUSUS IBUKOTA JAKARTA  
 Direktur Teknik & Produksi  
 sebagai Air bersih.  
 PERUS. AIR MINUM  
 DKI JAKARTA  
 Eben Koesbini Tamami  
 NIP/NPP : 470042990









JICA