

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT  
THE REPUBLIC OF INDONESIA

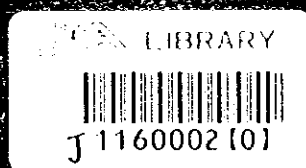
**THE DETAILED DESIGN  
OF  
FLOOD CONTROL, URBAN DRAINAGE AND  
WATER RESOURCES DEVELOPMENT IN  
SEMARANG IN THE REPUBLIC OF INDONESIA**

**FINAL REPORT**

COMPONENT C:  
URBAN DRAINAGE SYSTEM IMPROVEMENT

PREQUALIFICATION DOCUMENT

PACKAGE 2:  
ASIN RIVER DRAINAGE SYSTEM IMPROVEMENT



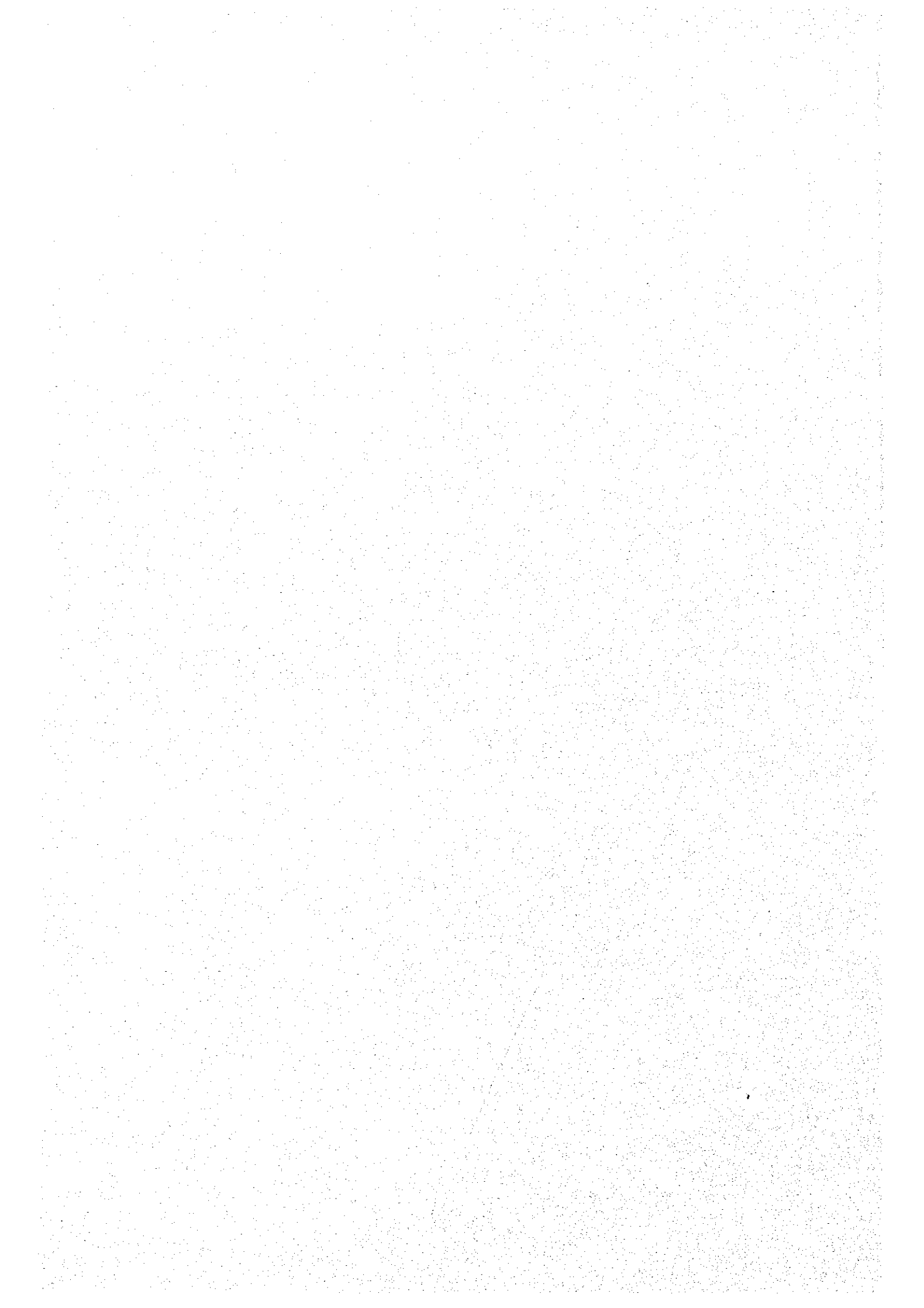
AUGUST 2000

CTI ENGINEERING INTERNATIONAL CO., LTD.  
IN ASSOCIATION WITH  
PACIFIC CONSULTANTS INTERNATIONAL  
AND  
PASCO INTERNATIONAL INC.

SSS

JR

00-105



**MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT  
THE REPUBLIC OF INDONESIA**

**FLOOD CONTROL, URBAN DRAINAGE AND  
WATER RESOURCES DEVELOPMENT IN SEMARANG**

**COMPONENT C:**

**URBAN DRAINAGE SYSTEM IMPROVEMENT**

**PREQUALIFICATION DOCUMENT**

**PACKAGE 2:**

**ASIN RIVER DRAINAGE SYSTEM IMPROVEMENT**

**AUGUST 2000**



1160002 (0)

**PREQUALIFICATION DOCUMENT**

## TABLE OF CONTENTS

	Page
<b>SECTION 1. BIDDING PROCEDURES</b>	<b>BP-1</b>
1.1 Introduction to Bidding Procedures	BP-1
1.2 Time Schedule	BP-1
1.3 Duties and Taxes	BP-1
1.4 Eligibility to Bid	BP-2
1.5 Joint Operation	BP-2
1.6 Shareholding Structure	BP-2
1.7 Membership	BP-2
1.8 Application Procedure	BP-2
<b>SECTION 2. PREQUALIFICATION REQUIREMENTS</b>	<b>PR-1</b>
2.1 Participants	PR-1
<b>SECTION 3. PREQUALIFICATION PROCEDURES</b>	<b>PP-1</b>
3.1 Submission of Prequalification Documents	PP-1
3.2 Letter of Application and Prequalification Forms	PP-1
3.3 Supporting Documents	PP-3
3.4 Signing of the Prequalification Documents	PP-4
<b>SECTION 4. LETTER OF APPLICATION</b>	<b>LA-1</b>
4.1 Letter of Application	LA-1
<b>SECTION 5. PREQUALIFICATION FORMS</b>	<b>PF-1</b>
5.1 Form No. 5.1 - Statement of Participant	PF-1
5.2 Form No. 5.2 - List of Works to be Subcontracted	PF-4
5.3 Form No. 5.3 - Resume (Curriculum Vitae) of Participant's Key Personnel to be Fully Assigned to the Project	PF-5
5.4 Form No. 5.4 - Reference List	PF-6
5.5 Form No. 5.5 - Performance Records of Completed Works for Past 5 Years by Participant	PF-7
5.6 Form No. 5.6 - Current Contracts Being Undertaken by Participant	PF-8
5.7 Form No. 5.7 - List of Construction Plant and Equipment Available for the Project	PF-9
5.8 Form No. 5.8 - List of Prequalification Forms Completed	PF-10
5.9 Form No. 5.9 - List of Enclosures	PF-11
5.10 Form No. 5.10 - Specimen of Bank's Declaration	PF-12
5.11 Form No. 5.11 - Balance Sheet	PF-13
5.12 Form No. 5.12 - Statement of Profit and Loss	PF-15
5.13 Form No. 5.13 - Amount of Sales Within Last Three Years In US \$ Equivalent	PF-16
5.14 Form No. 5.14 - List of Shareholder Structures	PF-17
5.15 Form No. 5.15 - List of Full-Time Directors	PF-18
<b>SECTION 6. PROJECT OVERVIEW AND SCOPE OF WORK</b>	<b>SW-1</b>
6.1 Overview of the Project	SW-1
6.2 Contract Packages	SW-1
6.3 Relationship between Components and Packages	SW-2
6.4 Scope of Work	SW-2
6.5 Summary of Major Quantities	SW-4
<b>SECTION 7. APPENDICES</b>	

**BIDDING PROCEDURES**

## SECTION 1. BIDDING PROCEDURES

### 1.1 Introduction to Bidding Procedures

This volume describes procedures for Prequalification of Contractors for Civil Engineering Works included in a project for Flood Control, Urban Drainage and Water Resources Development in Semarang, Component: Urban Drainage System Improvement, Package 2: Asin River Drainage System Improvement, located in Semarang City, Central Java Province, Republic of Indonesia.

Package 2 will be awarded as a separate contract in accordance with Documents for Bidding to be issued by :

Directorate General of Water Resources Development,  
Ministry of Public Works,  
Government of the Republic of Indonesia.

hereinafter known as the Employer.

Bidding will be open to contractors duly pre-qualified by the Employer in accordance with requirements specified in this volume.

Bidding procedure will consist of two stages :

- (a) Prequalification of Contractors.
- (b) Submission of Bids by Qualified Contractors.

### 1.2 Time Schedule

The schedule for carrying out this Prequalification has been programmed as follows.

- (a) ..... Issue of Prequalification Questionnaire.
- (b) ..... Last date for Participants to request clarification.
- (c) ..... Last date for the Employer to issue addenda to the Prequalification Questionnaire.
- (d) ..... Closing date for receipt of Prequalification Documents by the Employer from Participants.

Notwithstanding any provision contained in this volume the Employer reserves the right to amend this time schedule.

### 1.3 Duties and Taxes

Prior to submission of a Prequalification Questionnaire Participants shall independently obtain, from Indonesian tax authorities, all necessary information on duties and taxes to be levied on a Contractor with respect to his status as a foreign firm, domestic firm, joint venture or joint operation. He shall also familiarize himself with rules, regulations and procedures regarding exemption from such duties and taxes for a Contractor and his expatriate personnel on construction projects financed by international loans. Unless otherwise exempted by Indonesian tax authorities, the Contractor and his personnel shall pay all duties and taxes in connection with the Contract. Failure to obtain all necessary information in this regard which results in additional costs and expenses, should he be awarded any Contract, shall be entirely at the Participants own risk.



#### **1.4 Eligibility to Bid**

Only Contractors incorporated and registered in eligible source countries under the General Untying Scheme, as shown in Attachment VI-1 to the OECF Loan Handbook dated January 1999, shall be eligible to Tender. A copy of the above attachment is included as Appendix 5 to this Prequalification Document.

#### **1.5 Joint Operation**

A Participant considering a joint operation with other Contractors shall, prior to submission of a Prequalification Questionnaire, acquaint himself with all relevant information and laws, regulations, orders and decrees of the Indonesian Government as they relate to construction of works by joint operation contractors.

Any neglect or failure by the Participant to fully acquaint himself about all aspects of joint operations shall not, in the event of being awarded the Contract, relieve him of any obligation or responsibility under the Contract nor shall it entitle him to any extension of project time.

#### **1.6 Shareholding Structure**

The shareholding structure of a joint venture or joint operation shall not be modified during the period of the Contract except with the prior written approval of the Employer. Modification without such written approval shall permit the Employer to invoke forfeiture of the Contract.

#### **1.7 Membership**

The Participant's membership of joint venture/operation or other form of partnership at the time of award of Contract shall be the same as that stated in the Prequalification of Contractor questionnaire. Differences revealed in membership status shall become grounds for rejection or cancellation of award.

#### **1.8 Application Procedure**

Any Contractor may apply for Prequalification once for each package either individually or in some form of partnership.

Application for prequalification for the project for Flood Control, Urban Drainage and Water Resources Development in Semarang, Component: Urban Drainage System Improvement, Package 2: Asin River Drainage System Improvement, shall not be regarded as an application for prequalification for other construction packages in project for Flood Control, Urban Drainage and Water Resources Development in Semarang. Contractors wishing to apply for prequalification for other construction packages are required to complete separate prequalification applications.

Notwithstanding the above, in order to prevent any individual firm or member of a some other form of partnership from holding contracts for construction packages being implemented concurrently in the project for Flood Control, Urban Drainage and Water Resources Development in Semarang, the Employer reserves the right not to award a contract to any individual firm or member of some other form of partnership which has previously been awarded a contract for a construction package for which a certificate of completion has not been issued.

**PREQUALIFICATION REQUIREMENTS**

## SECTION 2. PREQUALIFICATION REQUIREMENTS

### 2.1 Participants

In order to satisfy Prequalification requirements participants shall :

- (a) be an individual firm, company or Contractor or a member of some other form of partnership, joint venture or joint operation duly registered under the law of an eligible source country as listed in Appendix 5. International Contractors intending some form of partnership with bonafide Indonesian Contractors may be more favourably considered.
- (b) have been in business as a general contractor for a continuous period of at least three (3) years immediately prior to application for prequalification.
- (c) have no overdue debts of any kind owed to the Revenue or Custom Authorities of the Government of Indonesia
- (d) where a joint venture company is proposed fulfil prequalification requirements under paragraphs (a) (b) and (c) above.
- (e) where some form of partnership with another contractor is proposed, arrange that one member of the partnership act as the Lead Contractor to represent the partnership in all Contractual matters. Prequalification requirements under paragraphs (a), (b) and (c) above shall apply to all member contractors of the Partnership.
- (f) The qualification requirements under paragraphs (a), (b) and (c) above shall be applied to the leading firm and the other member firm(s).
- (g) where there is an intention to sublet part/s of the works under subcontract, such part/s shall be indicated in the Prequalification forms herein.
- (h) have had experience in the use of steel sheet pile cofferdams for which he will give details in his submission
- (i) propose to use a specialised subcontractor for screw pumps who has experience in the manufacture and installation of screw pumps of 3 m dia. or greater and, in the event of award of the Contract, undertake to use that subcontractor or another with equivalent or greater experience.

**PREQUALIFICATION PROCEDURES**

## SECTION 3. PREQUALIFICATION PROCEDURES

### 3.1 Submission of Prequalification Documents

- (a) Prequalification documents shall comprise one (1) Original and five (5) Copies and shall be marked "Original", "First Copy" and so on through the "Fifth Copy". In the event of a discrepancy between any copies and the original, the "Original" shall govern. Each set of documents shall consist of the Prequalification questionnaire and all addenda in its original binding, and any Supporting Documents indicated in clause 3.3 hereof.
- (b) The Prequalification Questionnaire shall be completed using type written or legible hand written text in ink. Alterations shall not be made to any wording. Mistakes made in completing the Questionnaire shall be corrected only by writing over the original entry. All such corrections shall be initialled by the Participant's Representative(s) responsible for signing the Prequalification Questionnaire.
- (c) All documents and correspondence associated with this Prequalification Questionnaire shall be completed in the English Language. Where documents are not prepared in Indonesia they shall be authenticated by a Public Notary and Certified by a Consulate or Commercial Agency of the Government of Indonesia.
- (d) Prequalification Documents shall preferably be submitted either by hand directly from the Participant's Representative(s) or via a commercial courier company employed by the Participant. Prequalification Documents shall reach the Employer not later than 12:00 noon W.I.S.T. on .....at the following address :  
The Tender Committee  
Flood Control, Urban Drainage and Water Resources in Semarang  
Directorate General of Water Resources Development  
Ministry of Public Works, Republic of Indonesia  
JRATUNSELUNA River Basin Development Project  
Jalan Brigjen Sudiarto No. 375  
Semarang 50191  
Central Java  
INDONESIA
- (e) Documents shall be securely enclosed in one (1) sealed package clearly marked with the Participant's name and address and the following :  
Prequalification Documents  
Flood Control, Urban Drainage and Water Resources Development in Semarang,  
Component: Urban Drainage System Improvement ,  
Package 2: Asin River Drainage System Improvement

### 3.2 Letter of Application and Prequalification Forms

The Letter of Application and all Forms shall be completed by the Participants in accordance with the following instructions :

- (a) General : Full name and title of the Representative shall be stated below the Representative's signature.

(b) Letter of Application for Prequalification :

Participants shall complete this letter, stating whether they are a firm, partnership, company, joint venture or joint operation. They shall also state names of all partners for the partnership, all parent firms or companies for the joint venture, and the leading firm and all other member firms for the joint operation and the full business address of the Participant and/or, if any, his representative in Indonesia.

(c) Prequalification Form No. 5.1 :

The Participant firm, partnership, company or joint venture, if any shall complete and sign one copy of this Form. If the Participant is a joint venture, each and every parent firm or company must complete, in addition, a separate copy of Form No. 5.1. If the Participant is a joint operation one copy for each member of the same must be filled in.

(d) Prequalification Form No. 5.2 :

The Participant shall indicate the part(s) of the work intended to be subcontracted.

Participants should note that it shall not be permissible to sub-contract earthworks or concrete works other than specialized prestressed concrete works.

(e) Prequalification Form No. 5.3 :

The Participant shall complete as many copies of this form as actually required to show the experience of the Key Personnel to be fully dedicated to the construction of the works.

(f) Prequalification Form No. 5.4 :

This form shall contain the names and address in the Republic of Indonesia, or foreign countries, which are able to give technical or financial references about the Participant. One copy of Form No. 5.4 shall be completed for each parent firm or company of the joint venture and for each member of the joint operation.

(g) Prequalification Form No. 5.5 and No. 5.6 :

This form shall be completed by participants or by members of joint ventures or joint operations as may be the case.

(h) Prequalification Form No. 5.7 :

The Participant shall indicate in this form the constructional plant and equipment to be used in the execution of the works.

(i) Prequalification Form No. 5.8 :

The Participant shall indicate the form number and the page number of each prequalification form which has been completed.

(j) Prequalification Form No. 5.9 :

The participant shall indicate in this list all the annexes to the Prequalification Questionnaire as prescribed in clause 3.3, giving them a progressive number which shall correspond to the number marked on the relevant documents.

### 3.3 Supporting Documents

In order to fulfil all requirements the Participant shall annex to the Prequalification Questionnaire the following supporting documents:

- (a) A photo copy of the business registration certificate issued by the relevant National Authority stating the full name of the Participant, board members authorised to represent the Participant, the date and place of registration as a contractor. Where the Participant is a company or a joint venture company, such certificate must also state the scope, paid up capital, duration and date of incorporation of the company and the names of all directors of the board. In the case of a joint venture company, the shareholding structure of the company shall also be stated.
- (b) A statement undertaking to issue the necessary Bank Guarantees or Bonds, in case of award of a contract, for domestic Participants and optionally for International Participants, shall be issued, in accordance with form No. 5.10 herein by a state owned bank of the Republic of Indonesia or other bank or finance institution approved by the Minister of Finance of the Republic of Indonesia. For international Participants the same statement of undertaking may alternatively be issued, in accordance with form No. 5.10 herein by a foreign exchange bank acceptable to Bank Indonesia.
- (c) A financial statement and information, which shall be certified by a public accountant, as follows :
  - i. Balance Sheets, Statements of Profit and Loss, and Amount of Sales of the Participant for the immediately preceding three successive years to be attached. (Form No. 5.11, 5.12 and No. 5.13);
  - ii. Detailed information for any substantial change in the financial affairs of the participant since the date of the end of the accounting period to which the items in the above sub-clause relate which may effect the capability of the Participant to successfully carry out the works;
  - iii. Detailed information of financial resources available as working capital if awarded a contract, including credit, loan or overdraft of a bank or loan from any other sources with supporting evidence.
  - iv. Detailed information of current and future commitments of a contractual or other nature to the extent that they are material in amount. In the case of a joint operation, each member shall fulfil the above documentary requirement.
  - v. Where the Participant is an international contractor or in a joint venture, he shall indicate detailed information of shareholder structure (Form No. 5.14).
- (d) Prequalification Form No. 5.15 :

The Participant shall indicate the nationality of all full-time directors;
- (e) A statement of the Participant that he has no overdue debts towards the Revenue or Customs Authorities of the Government of Indonesia;

- (f) Photo copies of completion certificates issued by the relevant owners or engineers of the projects as listed in Prequalification Form No. 5.5 to demonstrate that such projects were satisfactorily completed by the Participant. Each parent or company of a joint venture and each member of a joint operation shall fulfil this documentary requirement;
- (g) An affidavit duly signed by all parent firms or companies of or all parties to a joint venture declaring that they shall be held jointly and severally liable for obligations arising out of the contract if awarded to the joint venture;
- (h) In case of the Participant being a joint operation, the document duly signed by all its members for establishing the joint operation (or the duly signed document of intent to form the joint operation) in which it is detailed precisely the condition under which it will function, its duration, the sponsor authorised to represent it, to sign in its name all documents including the bid and the contract, and to take full responsibilities of the works, and the shares of participation of each member thereof. Such documents shall contain particularly the obligation of all its members to be jointly and severally liable for the obligations arising out of the contract in case of award and that such joint and separate liability is not impaired by the special position of the leading firm. A separate statement shall also be made by the leading firm declaring that he, in addition to the liabilities mentioned above, shall be entirely responsible for the Works and execution of the contract;
- (i) The duly certified power of attorney giving power to a person or persons to sign on behalf of the Participant;
- (j) Any technical document which the Participant considers suitable to present in support of his application for Prequalification.

### **3.4 Signing of the Prequalification Documents**

The signature of each Participant required for his statement and information to be presented in the Prequalification shall be as follows:

- (a) Where the Participant is a firm, partnership or company (including a joint venture), one or more legal representatives of such firms, partnership or company shall sign. A power of attorney granting authority to sign by the said representative(s) shall be enclosed with the Prequalification Documents;
- (b) Where the Participant is a joint operation, the leading firm shall be authorized by all other members to sign all documents for all joint operation through one legal representative to sign for the joint operation. This authorization shall be enclosed with the Prequalification Documents.



**LETTER OF APPLICATION**

## SECTION 4. LETTER OF APPLICATION

### 4.1 Letter of Application

The Tender Committee  
Flood Control, Urban Drainage and Water Resources in Semarang  
Directorate General of Water Resources Development  
Ministry of Public Works, Republic of Indonesia  
JRATUNSELUNA River Basin Development Project  
Jalan Brigjen Sudiarto No. 375  
Semarang 50191  
Central Java  
INDONESIA

Sir,

Insert full  
name & title

In accordance with the Prequalification Questionnaire, the  
undersigned Representative .....

Insert name  
and address  
of the  
Participant

Legally authorized to act in name and on account of the Firm .....  
.....  
Company .....  
Partnership.....  
.....

Insert name  
of firm and  
address of  
parent firms  
or company

Joint venture company .....  
Composed : a .....  
b. ....  
c. ....  
d. ....

Insert name  
of firm and  
address of  
parent firms  
or company

Joint operation  
Composed : a. Leading firm .....  
and the following other firms :  
b. ....  
c. ....  
d. ....

Insert type,  
place and  
date of the  
power of  
attorney

by means of certified power of attorney .....

Attached to these documents, hereby apply for prequalification for the construction of the project for Flood Control, Urban Drainage and Water Resources Development in Semarang, Component 1: Urban Drainage System Improvement, Package 2: Asin River Drainage System Improvement.

By this letter, the undersigned Representative, acting in name on account of the Participants, declares :

- a. To guarantee the truthfulness and exactness of all the statements and answers made in the Prequalification Questionnaire and in the attached documents;
- b. To authorise the Employer or his delegate to effect any investigation to prove the truthfulness of the statements and documents submitted and to obtain clarification and information on the technical and economic conditions of the Participants;
- c. To accept unconditionally the dates and periods fixed or to be fixed by the Employer for Prequalification and Tendering, renouncing consequently to ask for extension;
- d. To accept unconditionally the procedure adopted for the Bidding, the documents of the same and to renounce, consequently, to any claim;
- e. To have the widest authority to execute agreements and to effect all the necessary formalities for the Bid, including the signature of the Contract, by virtue of the power of attorney granted;
- f. To give the Employer the full right without any justifications :
  1. To disqualify any Participant who does not meet the requirements indicated in the Prequalification Document or does not submit the required documentation's or is not acceptable to the Employer for reasons in this opinion to be substantial;
  2. Not to accept any my claim regarding either procedure or the results of the prequalification;
- g. To certify that the following addenda issued by the Employer have been received :  
No..... Date.....

Insert Nos.  
and date of  
addenda

Insert mail,  
cable, telex  
address and  
telephone  
and fax  
numbers

h. To indicate the address in which he fixes his legal domicile to the effects of his application, to which the Employer may direct his correspondence : .....

Insert  
Representative  
in Indonesia

.....  
(Place and Date)

.....  
(The Representative)

**PREQUALIFICATION FORMS**

## SECTION 5. PREQUALIFICATION FORMS

### 5.1 Form No. 5.1 - Statement of Participant

#### Package 2: Asin River Drainage System Improvement

Insert name of legal domination 1. Name (legal domination).....

Insert address of Head Office with mail cable, fax telex 2. Address of the Head Office .....

Insert place, day, month, year 3. Date of establishment according to Articles of Association or By-Laws

.....

Place                      Day                      Month                      Year

Insert original currency and equivalent US dollars 4. Nominal Capital .....

original currency                      equivalent in US dollars

Insert date original currency and equivalent in US dollars Fully paid-up Capital after .....

original currency                      equivalent in US dollars

.....

Date

Insert original currency and equivalent in US dollars Statement of Capital resources (if not a company) .....

original currency                      equivalent in US dollars

Insert original currency and equivalent in US dollars Exchange rate adopted for the equivalent in US \$ .....

original currency                      equivalent in US dollars

5. Branch of Specialization

- Field of activities

1) Main field of activities \*)

2) Other field of activities

\*) Which is (are) your field of activities among the following works :

- a. River Improvement Work
- b. Dam Construction Work
- c. Road and Bridge Work
- d. Other Civil Work

Insert Nos. of engineers, technical staff, foremen and supervisors, and other labour

6. Average number staff and labour employed over the past year

- a. Engineers
- b. Other Technical Staff employed on estimating, draughting and other technical office work
- c. Foremen and Supervisors
- d. Other labour

Insert Nos. of staff, engineers etc. separated into Indonesian and Non Indonesian

Indicate estimated number of staff and labour who would be employed to carry out works for Package 2: Asin River Drainage System Improvement.

	Indonesia	Non Indonesia
a. Administrative	.....	.....
b. Engineer	.....	.....
c. Other Technical Staff	.....	.....
d. Foremen and Supervisors	.....	.....
e. Labour	.....	.....

and submit Resume Curriculum Vitae (CV), on sheets provided, for the principal staff who would be employed on the works such as Project Manager, Resident Engineer, Superintendent.

Insert location of branch offices

7. Places in which its branch offices operate especially in Indonesia and South-East Asia.

Insert  
resources  
available

8. Back up services for this Project (internal or external), if any .....

.....  
(Place and Date)

.....  
(The Representative)

This form also applies to parent firms or companies of Joint Venture  
and to each member of a Joint Operation.





**5.3 Form No. 5.3 - Resume (Curriculum Vitae) of Participant's Key Personnel to be Fully Assigned to the Project**

**Package 2: Asin River Drainage System Improvement**

Insert name of firm Partnership, Company, Joint Venture or Joint Operation .....

Insert name, age, last education, present position and proposed position  
 Full Name..... Age..... Latest Education .....  
 Present Position in the Firm .....  
Proposed Position in the Project .....

Insert details of work experience	<u>Experience (Years)</u>	<u>Performed Work</u>	<u>Responsibility</u>
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....

**Note : Use one form for each person**

5.4 Form No. 5.4 - Reference List

Package 2: Asin River Drainage System Improvement

Insert  
firm,  
partnership,  
company,  
joint venture  
or joint  
operation

No.	Name	Address
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....

.....  
(Place and Date)

.....  
(The Representative)

Note : This form also applies to parent firms or companies of a Joint Venture and to each member of a Joint Operation.

5.5 Form No. 5.5 - Performance Records of Completed Works for Past 5 Years by Participant

Package 2: Asin River Drainage System Improvement

..... 3)

No.	Years of Execution (month & year) Start \ Completed	Name & Location of Work	Name & Address of owner	Main or Sub-Contractor or member of joint operation	Contract or Subcontract amount in US \$ equivalent (2)	Description of Works (1)

- NOTES :
- 1). Reference must be attached in accordance with the requirements of item 3.3 (f). Include details of steel sheet piling coffering experience.
  - 2). Do not list details of contracts having values less than US \$ 400,000
  - 3). Insert name of firm, partnership or joint venture.

.....  
(Place and Date)

.....  
(The Representative)











**5.10 Form No. 5.10 - Specimen of Bank's Declaration**

**Package 2: Asin River Drainage System Improvement**

The Tender Committee  
Flood Control, Urban Drainage and Water Resources in  
Semarang  
Directorate General of Water Resources Development  
Ministry of Public Works, Republic of Indonesia  
JRATUNSELUNA River Basin Development Project  
Jalan Brigjen Sudiarto No. 375  
Semarang 50191  
Central Java  
INDONESIA

Gentlemen,

Insert  
name and address  
of the Bank

This Bank.....

Insert name  
and address of  
firm, partnership,  
company, joint  
venture or joint  
operation

upon request of .....  
irrevocably undertakes to issue in favour of Directorate  
General of Water Resources Development, Ministry of Public  
Work, Republic of Indonesia, and to their full satisfaction, the  
guarantees assuring that in case of award of a contract the  
above mentioned .....

Insert firm,  
partnership,  
company, joint  
venture or joint  
operation

will faithfully perform the Contract for project for Flood  
Control, Urban Drainage and Water Resources Development  
in Semarang, Component : Urban Drainage System  
Improvement, Package 2: Asin River Drainage System  
Improvement.

.....  
(Place and Date)

.....  
(The Representative)

**5.11 Form No. 5.11 - Balance Sheet**

**Package 2: Asin River Drainage System Improvement**

Required: Three (3) separate Balance Sheets for the three years, ending 31 December, immediately preceding the year of application for Prequalification. Refer Clause 3.3 (c) (i) herein.

<u>Asset</u>		All in US \$
A. <u>Current Assets</u>		Equivalent (Exchange rate used US \$ = _____ )
1. Cash on hand .....	\$ .....	
2. Cash in Bank .....	\$ .....	
3. Account Receivable .....	\$ .....	
4. Stock and bonds at present market value ...	\$ .....	
5. Other current Asset :		
a. ....	\$ .....	
b. ....	\$ .....	
c. ....	\$ .....	
d. ....	\$ .....	(+)
	\$ .....	(+)
<b>Total Current Assets</b>	<b>\$ .....</b>	<b>(A)</b>
B. <u>Fixed Assets</u>		
1. Cost of Construction.....	\$ .....	
2. Land.....	\$ .....	
3. Building (Net).....	\$ .....	
4. Construction Equipment (net) .....	\$ .....	
5. Office Equipment (net) .....	\$ .....	
6. Vehicle (net) .....	\$ .....	
7. Other Fixed Asset :		
a. ....	\$ .....	
b. ....	\$ .....	
c. ....	\$ .....	
d. ....	\$ .....	(+)
	\$ .....	(+)
<b>Total Fixed Assets</b>	<b>\$ .....</b>	<b>(B)</b>
<b>Total Assets</b>	<b>\$ .....</b>	<b>(A&amp;B)</b>

Liabilities and Capital

A. Current Liabilities

1. Accounts Payable .....	\$ .....
2. Payable to Bank .....	\$ .....
3. Notes Payable .....	\$ .....
4. Other Current Liabilities :	
a. .... \$ .....	.....
b. .... \$ .....	.....
c. .... \$ .....	.....
d. .... \$ .....	..... (+)
.....	\$ ..... (+)
<b>Total Current Liabilities</b>	<b>\$ ..... (A)</b>

B. Long-term Debt ..... \$ ..... (B)

C. Capital

1. Stock Holders .....	\$ .....
2. Retained Earning .....	\$ .....
3. Allowance/Reserve .....	\$ .....
4. Profit for the Year .....	\$ .....
5. ....	\$ .....
6. ....	\$ ..... (+)
<b>Total Capital</b>	<b>\$ ..... (C)</b>
	..... (+)

**Total Liabilities and Capital**      \$ ..... **(A+B+C)**

.....  
(Place and Date)

.....  
(The Representative)

Certified by .....

Registered Public Accountant, and further certified according to Clause 3.1.(3) hereof when prepared abroad.

Date .....

**5.12 Form No. 5.12 - Statement of Profit and Loss**

**Package 2: Asin River Drainage System Improvement**

Required: Three (3) separate Statements of Profit and Loss for the three years, ending 31 December, immediately preceding the year of application for Prequalification. Refer Clause 3.3 (c) (i) herein.

A. Revenue		\$	(A)
B. Cost of Construction :			
1. Finished Work	\$		
2. Work in Progress	\$ _____ (+)		
		\$ _____	(B)
		Gross Profit/Loss	\$ (A-B)
C. Operation Expenses	\$		
1. Sales Expenses	\$		
	\$		
	\$ _____ (+)		
	Total Sales Expenses	\$	(C1)
2. General & Administration Expenses	\$		
	\$		
	\$		
	\$ _____ (+)		
	Total General & Administration Expenses	\$	(C2)
	Total Operation Expenses	\$ _____	(C = C1+C2)
	Net Profit / Loss Operation before taxes	\$	(A-B)-(C)
D. Other Revenue	\$		
	\$		
	\$ _____ (+)		
	\$		(D)
E. Other Expenses	\$		
	\$		
	\$ _____ (+)		
	\$		(E)
F. Nett Profit / Loss before taxes		\$	(D-E)
		\$	(F) = (A-B)-(C)-(D-E)
G. Taxes		\$	(G)
H. Nett Profit / Loss after taxes		\$ _____	H = F - G

.....  
(Place and Date)

.....  
(The Representative)

**5.13 Form No. 5.13 - Amount of Sales Within Last Three Years In US \$ Equivalent**

**Package 2: Asin River Drainage System Improvement**

Required: Three (3) separate Amounts of Sales for the three years, ending 31 December, immediately preceding the year of application for Prequalification. Refer Clause 3.3 (c) (i) herein.

Year	Amount (US \$)

.....  
(Place and Date)

.....  
(The Representative)

**5.14 Form No. 5.14 - List of Shareholder Structures**

**Package 2: Asin River Drainage System Improvement**

No.	Name of Shareholder	Nationality of Shareholder	% of Shares	Remarks

.....  
(Place and Date)

.....  
(The Representative)

**5.15 Form No. 5.15 - List of Full-Time Directors**

**Package 2: Asin River Drainage System Improvement**

No.	Name of Directors	Position	Nationality

.....  
(Place and Date)

.....  
(The Representative)

**PROJECT OVERVIEW AND SCOPE OF WORK**



## SECTION 6. PROJECT OVERVIEW AND SCOPE OF WORK

### 6.1 Overview of the Project

The city of Semarang suffers frequent flooding in the wet season and water shortage in the dry season. Progressing land subsidence, mainly caused by ground water extraction, further exacerbates flooding in low-lying areas in the North of the city.

To mitigate these problems and to enhance economic development the project for Flood Control, Urban Drainage and Water Resources in Semarang has been brought about with the assistance from the Government of Japan.

The project has been broadly divided into the following three components which address different aspects of the project. The components are as follows:

- West Floodway / Garang River Improvement;
- Urban Drainage System Improvement; and
- Construction of the Jatibarang Multipurpose Dam

The object of the Urban Drainage System Improvements component is to reduce the frequency of flooding in the northern part of Semarang City. This is to be achieved by improving the discharge capacity of the Semarang River and to prevent flooding to adjacent low-lying areas by creation of dikes. Within the Asin River Drainage Area and the Bandarharjo Area large areas are too low to permit gravity drainage. In such areas, pumped drainage systems are to be implemented.

### 6.2 Contract Packages

For the purposes of implementation each of the three components has been subdivided into contract packages. There is a total of 8 packages of work in the project with the breakdown as shown in the following table. The package for the work covered by this document is highlighted to clarify its position in relation to the project components and to other packages.

COMPONENT	DESCRIPTION OF PACKAGES
West Floodway / Garang River Improvement	Package 1: West Floodway and Garang River Improvement Works Package 2: Reconstruction of Simongan Weir Package 3: Raising of Railway Bridge over West Floodway
Urban Drainage System Improvements	Package 1: Semarang River Drainage System Improvement Package 2: Asin River Drainage System Improvement Package 3: Bandarharjo Drainage System Improvement

Construction of the Jatibarang Multipurpose Dam	Package 1: Jatibarang Multipurpose Dam including Appurtenant Structures Package 2: Operation and Maintenance Buildings and Goa Kreo Bridge
---	---

### 6.3 Relationship between Components and Packages

In general, from the point of view of construction, there is no relationship nor interface between packages of different components.

Packages within the same component may have common interfaces.

Works by others may be under construction in the same areas during the implementation of work packages of this project.

### 6.4 Scope of Work

When completed the Asin River Drainage System Improvement works will improve the drainage of a 4.4 km<sup>2</sup> area by increasing the discharge capacity of the lower reach of the Semarang River and through the creation of a poulder with a pumping system discharging to the Semarang River.

The Works to be carried out under the Contract shall, unless otherwise stated in the Contract, comprise the supply of all materials, labour, Equipment, construction plant, temporary works and anything else for the completion of the Works in strict accordance with the Contract and as directed by the Engineer.

The main elements of the Works to be completed under package 2 shall consist of, but not be limited to, the following:

Relocation and demolition of existing facilities

Semarang River improvement comprising:

- Preparatory Works
- Excavation of a channel to relocate a 300 m long portion of the Semarang River
- Excavation of the channel of the existing Semarang River from the interface with package 1 to the river mouth.
- Hauling and disposal of excavated material including treatment of all of the contaminated spoil from the Semarang River.
- Construction of revetments
- Raising the height of existing stone masonry dikes

Asin River Improvement comprising:

- Preparatory Works
- Excavation of the channel of the Asin River
- Hauling and disposal of excavated material including treatment of all of the contaminated spoil from the Asin River.
- Construction of revetments
- Construction of inspection roads along the Asin River
- Construction of a 200 m long box culvert under an existing public road

- Demolition of two existing bridges across the Asin River
- Construction of two bridges across the Asin River

Construction of Asin Pumping Station comprising:

- Civil Works for Pumping Station
- 3 diesel engine-driven screw pumps
- A generator set
- Auxiliary electric pumps
- Trash screen and conveyor system
- Inspection bridge (R C slabs)
- Asin Pumping Station Bridge (PC girder bridge)

Asin Pumping Station Gate comprising:

- Gate pier and foundation works
- Mechanical works

Building Works comprising the construction of:

- Pump control building
- Management Office
- Garage
- Staff house
- External works

Asin Retarding Pond comprising:

- Excavation of portion of the diverted Semarang River
- Hauling and disposal of excavated material including treatment of all of the contaminated spoil from the old Semarang River course.
- Construction of Revetments
- Construction of Inspection roads

Supplying of Maintenance Equipment including:

- Back hoe
- Dump truck
- Truck Crane

## **6.5 Summary of Major Quantities**

A summary of the quantities of the items of work is shown on Appendix 4 for the information of prequalification participants.

**APPENDICES**

## SECTION 7. APPENDICES

The following data is appended hereto :

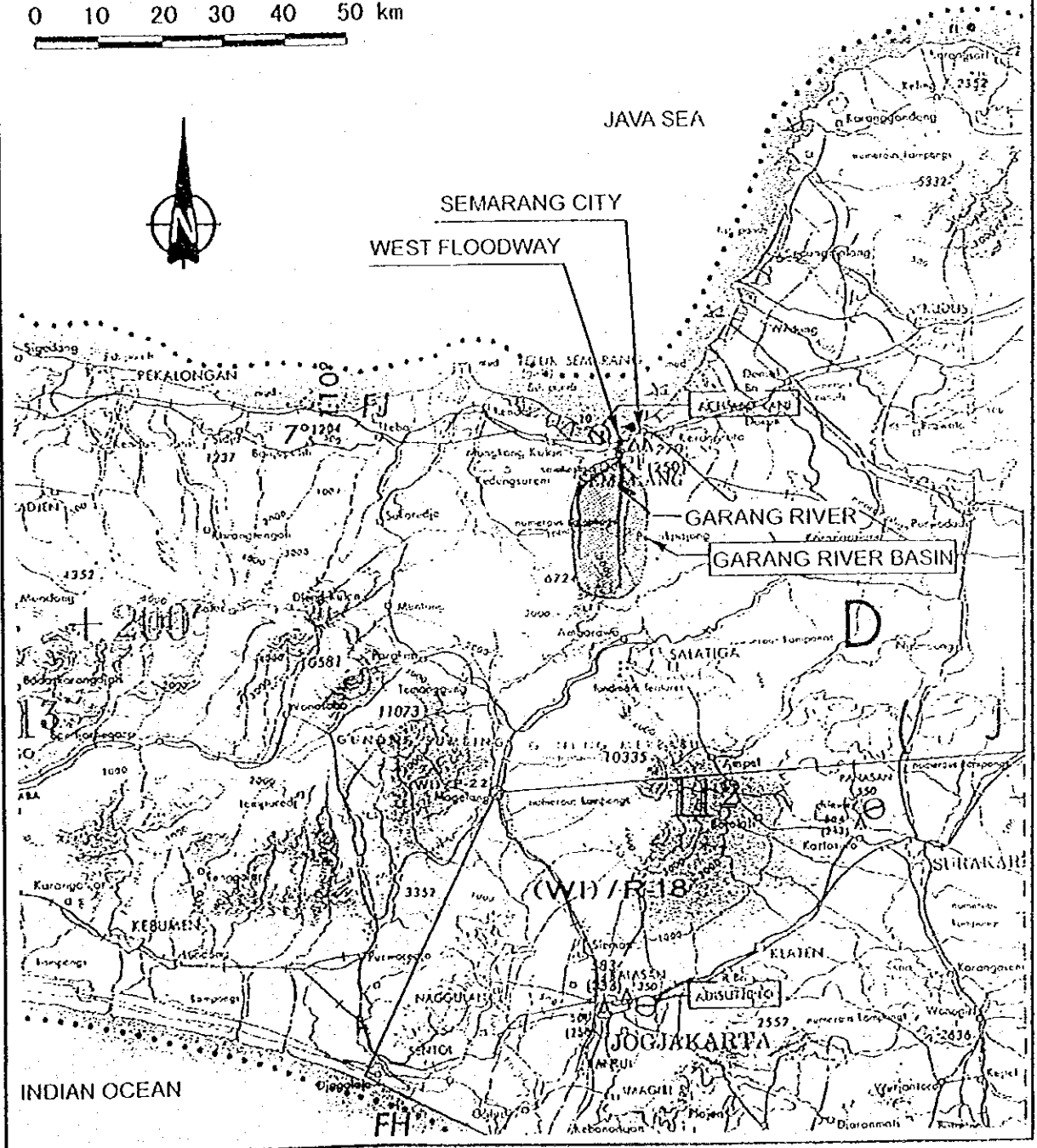
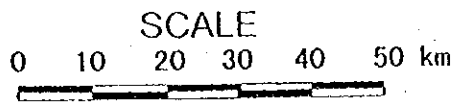
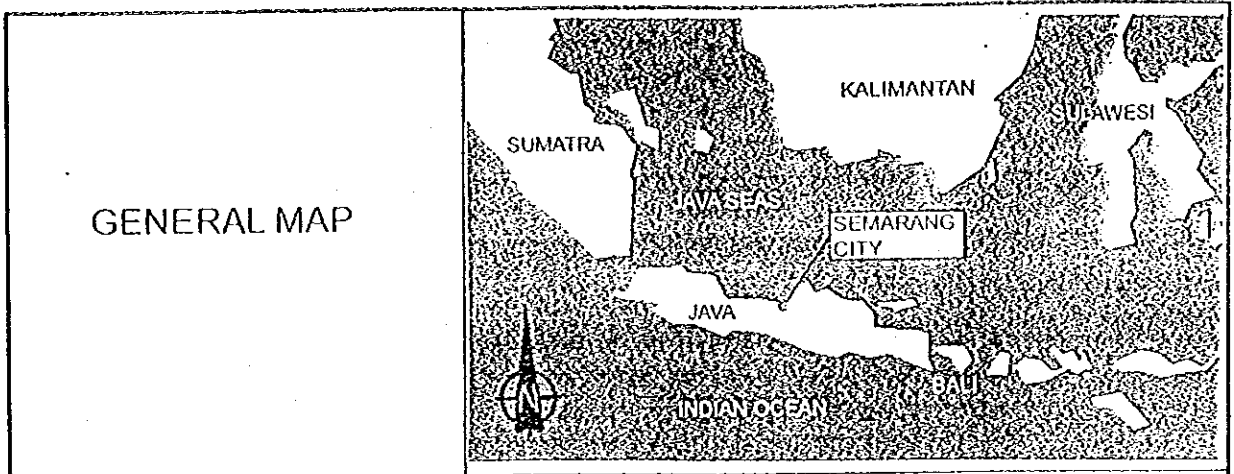
Appendix 1 General Map

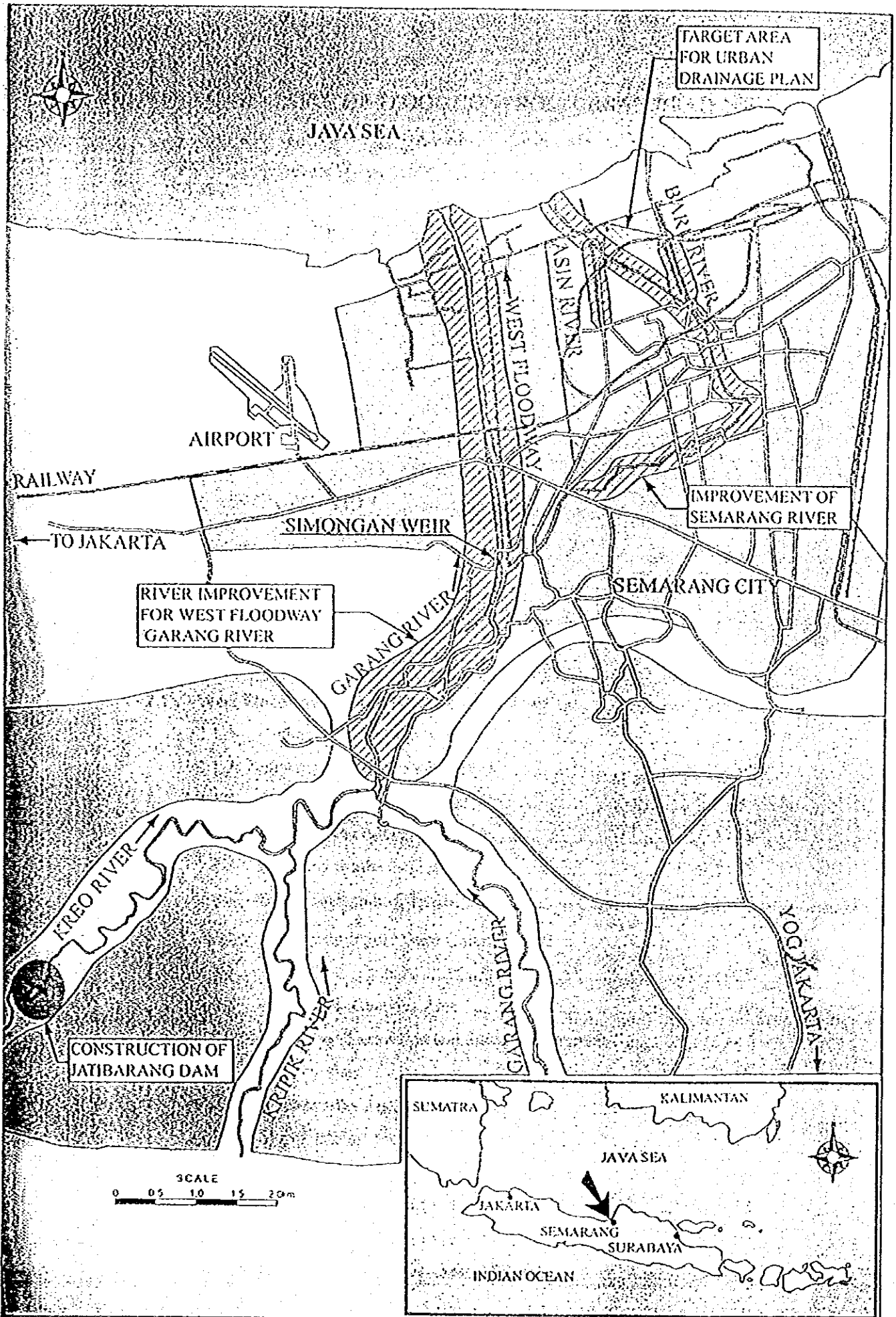
Appendix 2 Location of Project Site

Appendix 3 Plan of The Works

Appendix 4 Summary of Major Quantities

Appendix 5 List of Eligible Source Countries





Appendix 2







## APPENDIX 4

### Package 2: Asin River Drainage System Improvement

#### SUMMARY OF MAJOR QUANTITIES

The following is a summary of the major work items to be completed in this package :

a. River Improvement

- Excavation of Channel :  $V= 75,100 \text{ m}^3$
- Reconstruction of Revetment :  $L= 1,200 \text{ m}$  for both sides
- Relocation of Semarang River :  $L= 300 \text{ m}$
- Bridges :  $L= 20 \text{ m}$ , two bridges
- Box Culvert :  $W= 3.5 \text{ m}$ ,  $H= 2 \text{ m}$ ,  $L= 194 \text{ m}$
- Miscellaneous Works : Reconstruction of water pipe, telephone line

b. Renovation of Inspection Road :  $L= 4,200 \text{ m}$

c. Asin Pumping Station

- Pump :  $Q= 8.86 \text{ m}^3/\text{s}$ , 3 N° Screw pumps, 3.0 m dia.
- Pumping Station : reinforced concrete, 11 m x 35 m
- Gate :  $W= 4.00 \text{ m}$ ,  $H= 3.46 \text{ m}$  x 2 gate
- Piers and Foundation of Gate : reinforced concrete, 11.6 m x 12 m
- Bridge :  $L= 20 \text{ m}$
- Pump Control Building, Management Office, Garage, Staff House
- Asin Retarding Pond :  $A= 1.6 \text{ ha}$

Source : OECF Loan Handbook  
dated January, 1999

## APPENDIX 5

### LIST OF ELIGIBLE SOURCE COUNTRIES (Subject to Change)

#### 1. General Untying

Under general untying scheme, the eligible source countries are all countries and areas

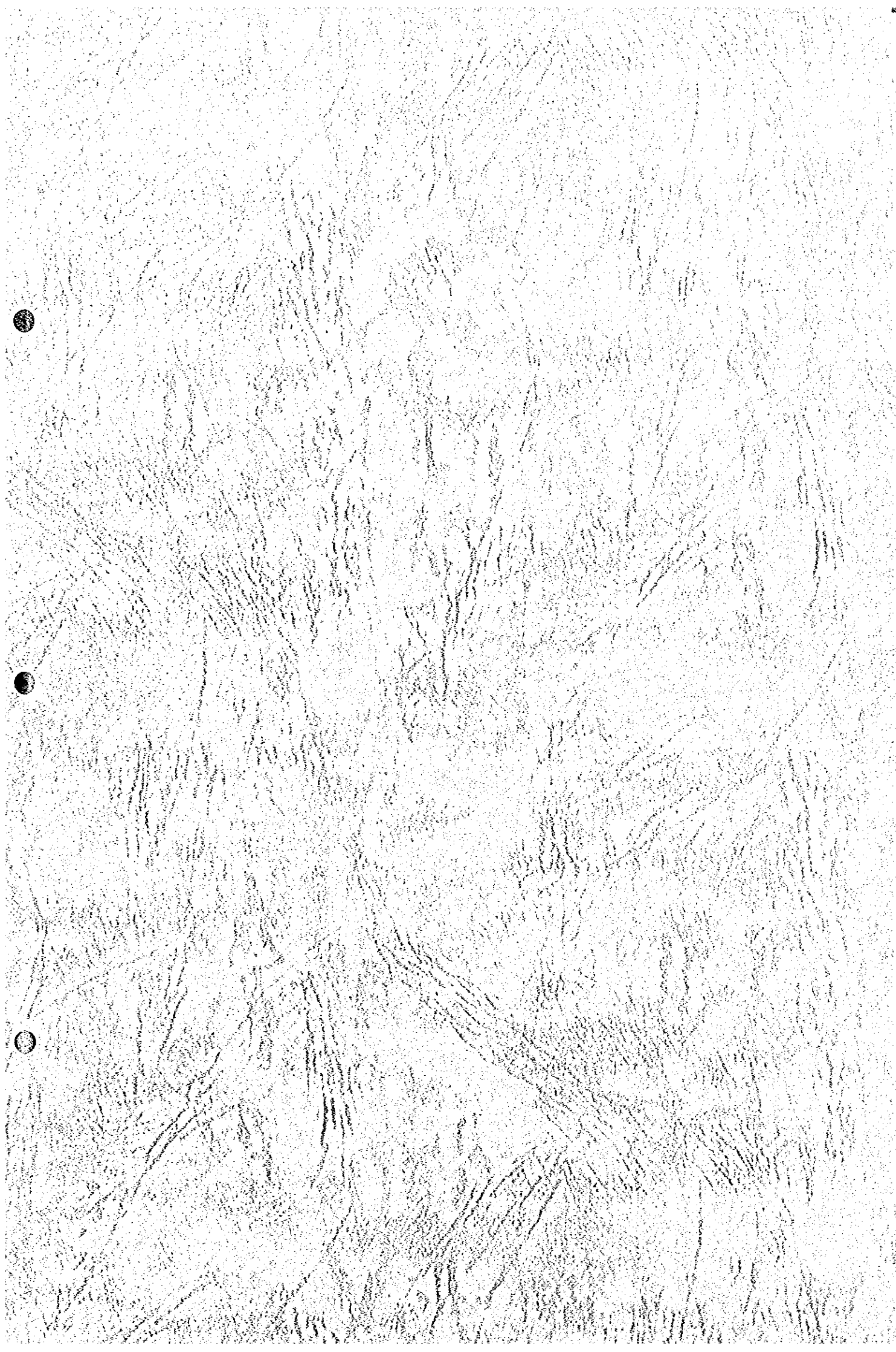
10/10/10

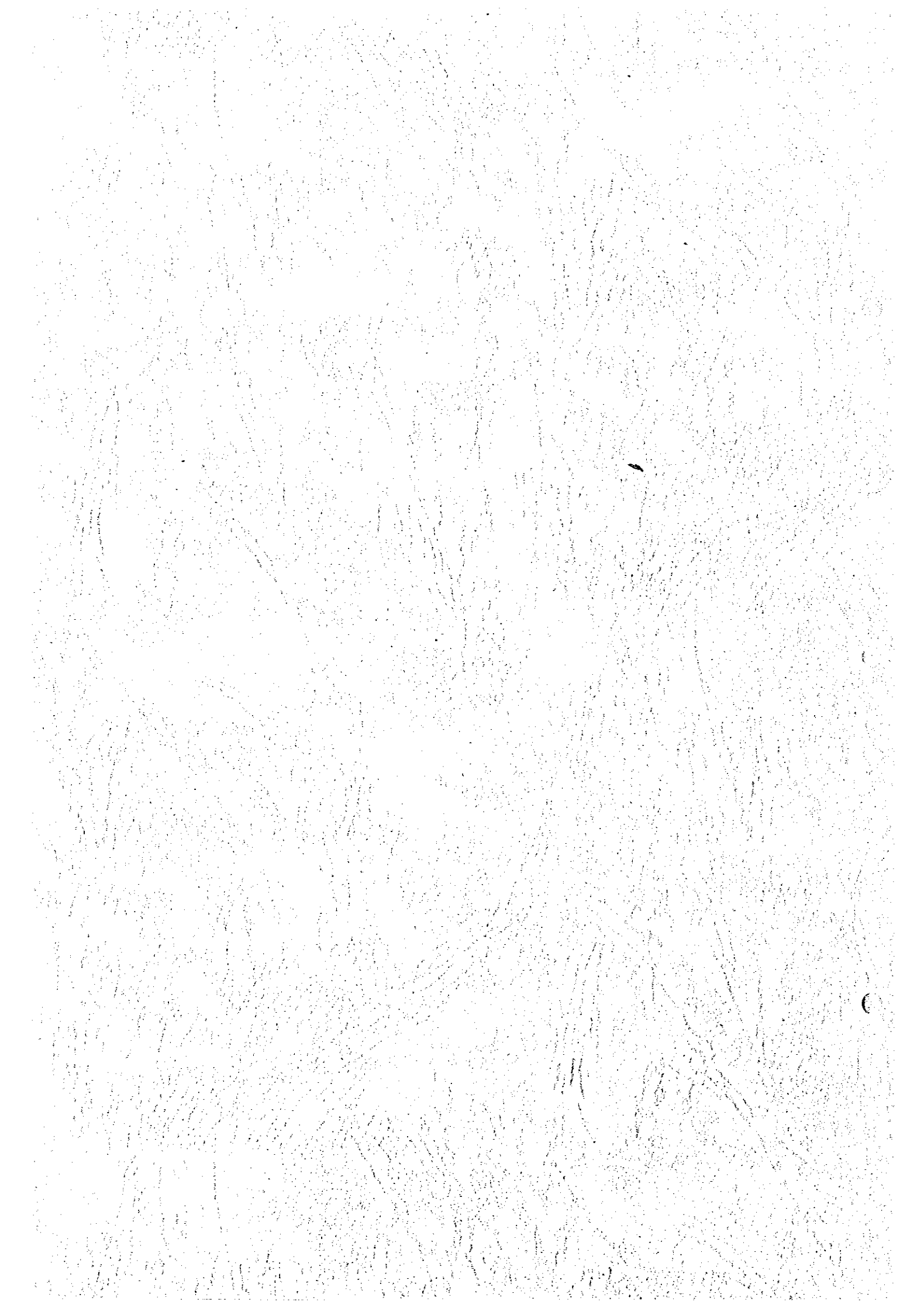
10/10/10

10/10/10

10/10/10











JICA