

## **Appendices**

## Appendix –1 Member List of the Study Team

### 1 . 1st Phase Basic Design Study Team

Name	Assignment	Agencies
Hisatoshi Ohkubo	Team Leader	Deputy Director, First Project Management Div., Grant Aid Management Dept., JICA
Makoto Matsubara	Technical Advisor	Senior Research Engineer, Water Quality Control Dept., Wastewater System Div., Public Works Research Institute, Policy Research Institute for Land, Ministry of Infrastructure and Transport
Masuomi Hiroyama	Chief/ Sewerage Plan	NJS Consultants Co., Ltd.
Norihisa Taoka	Sewerage System O&M Plan	Ditto
Kenji Takayanagi	Equipment Plan	Ditto
Kazuo Tanaka	Sewer Pipe Plan	Ditto
Akira Yamaguchi	Cost Estimate/ Procurement Plan	Ditto

### 2 . 2nd Phase Basic Design Study Team

Name	Assignment	Agencies
Takao Kaibara	Team Leader	Director, First Project Management Div., Grant Aid Management Dept., JICA
Makoto Inaba	Technical Advisor	Grant Aid Div., Economic Cooperation Bureau, Ministry of Foreign Affairs
Shigeteru Miyake	Project Coordinator	First Project Management Div., Grant Aid Management Dept., JICA
Masuomi Hiroyama	Chief/ Sewerage Plan	NJS Consultants Co., Ltd.
Kenji Takayanagi	Equipment Plan	Ditto

## Appendix-2 Study Schedule

### 1. 1st Phase Basic Design Study

Days	Date		Activities			
			Ohkubo/ Matsubara	Taoka	Hiroshima/ Takayanagi/ Tanaka	Yamaguchi
1	Oct. 10	Tue.	Departure from Tokyo			
2	11	Wed.	Arrival in Dhaka, Courtesy Call to JICA Office			
3	12	Thu.	Courtesy Call to EOJ, ERD, MLGRDC and Meeting with DWASA			
4	13	Fri.	Internal Meeting			
5	14	Sat.	Site Survey			
6	15	Sun.	Site Survey			
7	16	Mon.	Site Survey & Meeting with DWASA			
8	17	Tue.	Discussion with DWASA on Minutes			
9	18	Wed.	Discussion with DWASA on Minutes			
10	19	Thu.	Signing on Minutes, Reporting to ERD, MLGRDC, EOJ and JICA Office			
11	20	Fri.	Leave for TYO	Internal Meeting		
12	21	Sat.	Arrive in TYO	Day Off		
13	22	Sun.		Data Collection & Site Survey		
14	23	Mon.		Data Collection & Site Survey		
15	24	Tue.		Data Collection & Site Survey		
16	25	Wed.		Data Collection & Site Survey		
17	26	Thu.		Data Collection & Site Survey		
18	27	Fri.		Internal Meeting		
19	28	Sat.		Day Off		
20	29	Sun.		Data Collection & Site Survey		
21	30	Mon.		Data Collection & Site Survey	Dep. from TYO	
22	31	Tue.		Data Collection & Site Survey	Arrive in DCA	
23	Nov. 1	Wed.		Data Collection & Site Survey		
24	2	Thu.		Data Collection & Site Survey		
25	3	Fri.		Internal Meeting		
26	4	Sat.		Day Off		
27	5	Sun.	Data Collection & Site Survey			
28	6	Mon.	Internal Meeting			
29	7	Tue.	Leave for TYO	Data Collection & Site Survey		
30	8	Wed.	Arrive in TYO	Data Collection & Site Survey		
31	9	Thu.		Data Collection & Site Survey		
32	10	Fri.		Internal Meeting		
33	11	Sat.		Day Off		
34	12	Sun.		Data Collection & Site Survey		
35	13	Mon.		Data Collection & Site Survey		
36	14	Tue.		Discussions with DWASA		
37	15	Wed.		Discussions with DWASA		
38	16	Thu.		Report to EOJ, JICA, MLGRDC		
39	17	Fri.		Leave for TYO		
40	18	Sat.		Arrive in TYO		

## 2. 2nd Basic Design Study

Days	Date		Activities	
			Kaibara/Miyake/Hiroyama/Takayanagi	Inaba
1	Jan. 28	Sun.	Departure from Tokyo	
2	29	Mon.	Arrival in Dhaka, Courtesy Call to JICA Office	
3	30	Tue.	Discussion with ERD, Planning Com., MLGRDC, DWASA	
4	31	Wed.	Discussion and signing on Minutes of Meeting, Site Survey	
5	1	Thu.	Internal Meeting	
6	2	Fri.	Leave Dhaka for Tokyo via Bangkok	Data Collection
7	3	Sat.	Arrive in Tokyo	Data Review
8	4	Sun.		Site Survey
9	5	Mon.		Reporting to EOJ, JICA
10	6	Tue.		Leave Dhaka for Tokyo via Bangkok
11	7	Tue.		Arrive in Tokyo

### Appendix-3 List of Parties Concerned in the Recipient Country

Name	Position	Remarks
Mr. Lamrul Hasan	Deputy Secretary	ERD
Mr. A.K.M. Nashirul Hug	Deputy Secretary	"
Mr. MD. Emran	Sr. Assistant Secretary	"
Mr. MD. Abdullah AL Masud Choudhung	Sr. Assistant Chief	Planning Commission
Mr. Mujibur Rahman	Joint Chief	"
Mr. Abul Kalam	Deputy Chief	"
Mr. Scrajul Islam	Deputy Chief	LGRDC
Mr. Md. Abdullah	Deputy Chief	"
Dr. K. Asharul Haq	Managing Director	DWASA
Mr. Mohd. Delwar. Hossain	Deputy Managing Director	"
Mr. Md. Farid	Deputy Managing Director	"
Mr. Kazi Md. Sheesh	Chief Engineer	"
Mr. Q. G. Mowla	Superintending Engineer	"
Mr. Shamsul Alam	Superintending Engineer	"
Mr. MD. Shahidur Rahman Prodhan	Superintending Engineer	"
Mr. M. A. Jalil	Deputy Chief (Planning)	"
Mr. Syed. Qumarul Ahsan	Superintending Engineer	"
Mr. MD. Alkas Uddin	Project Director	"
Mr. A.R.M. Nurul Islam	Project Director	"
Mr. MD. Shahjahan	Executive Engineer	"
Mr. MD. Delwar Hossain	Executive Engineer	DWASA Saidabad Water Treatment Plant
Mr. M. H. Rahman	Executive Engineer	DWASA Pagla Sewage Treatment Plant
Mr. MD. Saidul Islam	Sub-Divisional Engineer	DWASA
Mr. Itsuki Ishida	1 <sup>st</sup> Secretary	Embassy of Japan
Mr. Masatoshi Sameda	2 <sup>nd</sup> Secretary	Embassy of Japan
Mr. Yuji Okazaki	Manager	JICA Bangladesh Office
Mr. Sen-ichi Kimura	Deputy Manager	"
Mr. Masahiro Yoshikawa	Staff	"
Mr. MD. Mokirul Islam	Program Officer	"
Mr. Shin-ichiro Omote	JICA Expert	ERD
Mr. Kei-ichi Sato	JICA Expert	DCC
Mr. Tanveer Ahsan	Urban Specialist	World Bank

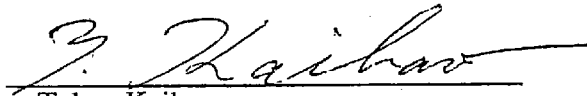
MINUTES OF DISCUSSIONS ON  
BASIC DESIGN STUDY ( II ) ON  
THE PROJECT FOR IMPROVEMENT OF SEWERAGE SYSTEM  
IN DHAKA CITY IN THE PEOPLE'S REPUBLIC OF BANGLADESH

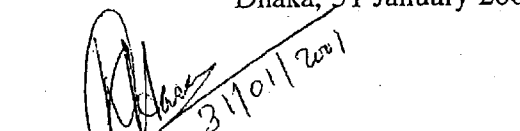
In October, 2000 the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched the Basic Design Study Team (I) on the Project for Improvement of Sewerage System in Dhaka City (hereinafter referred to as "the Project") to the Government of the People's Republic of Bangladesh (hereinafter referred to as "the Government of Bangladesh") and through discussions, field surveys and technical examinations of the results in Japan, JICA prepared an Interim Report of the Study.


In order to explain the contents of the Interim Report and to consult the Bangladesh JICA sent to the Government of Bangladesh the Basic Design Study Team ( II ) (hereinafter referred to as "the Team ( II )") headed by Mr. Takao Kaibara, Director, First Project Management Division, Grant Aid Management Department, JICA, from 29th January to 2<sup>nd</sup> February 2001.


The Team had discussions with the officials concerned of the Government of Bangladesh and as a result of discussion, both sides confirmed the main items described on the attached sheets.


Dhaka, 31 January 2001

  
Takao Kaibara  
Leader  
Basic Design Study Team ( II )  
Japan International Cooperation Agency

  
Kamrul Hasan  
Deputy Secretary  
Economic Relations Division(ERD)  
Ministry of Finance

  
Abul Kalam  
Deputy Chief  
Physical Planning and Housing Wing,  
Planning Commission

  
Md. Abdullah  
Deputy Chief  
Ministry of Local Government,  
Rural Development and  
Cooperatives

  
M. A. Jalil  
Deputy Chief (Planning)  
Dhaka Water Supply and  
Sewerage Authority (DWASA)

## ATTACHMENT

1. Both sides jointly reviewed the contents of the Minutes of Discussions on Basic Design Study (I) signed on October 19, 2000. Referring to the Project described in the Minutes, the Japanese side explained the following:

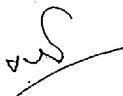

- (1) Though both sides had agreed that the southern part of the sewer trunk main should be the legitimate component of the Project, the original PCP (and the official project request to the Japanese side based on it) had not included the component as the scope of the Project;
- (2) The machinery equipment to cover the whole Dhaka city was also out of the original scope of the existing PCP;
- (3) The Japanese side understood that the Government of Bangladesh had been preparing a new PCP for the official inclusion of the southern trunk sewer main and exclusion of sewer line of Baridhara proposed in original PCP and equipment according to the minutes of discussions on basic design ( I ) signed on October 19, 2000;
- (4) However, in order to operate and maintain properly the sewer system to be newly constructed, the Government of Bangladesh had to secure enough budgetary allocation, staffing and plan training and human resources development and managerial improvement, etc. well in advance; and
- (5) Therefore the Japanese side would recommend that a revised PCP be prepared before the Project goes to a further stage, namely a basic design.

2. Therefore, both sides finally concluded and agreed that:


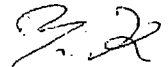
- (1) The Government of Bangladesh will prepare a revised PCP as soon as possible;
- (2) The Japanese side will resume a further basic study after the revised PCP (and the revised official project request) is fully authorized and submitted by ERD to Embassy of Japan.

3. Regarding the interim report, the Japanese side explained that the report should be treated as a technical report and recommendation on a newer equipment plan for cleaning programme of the sewer system in the whole Dhaka.

4. Both the Bangladeshi and Japanese sides will fully comply with the above.




MINUTES OF DISCUSSIONS ON  
BASIC DESIGN STUDY (I) ON  
THE PROJECT FOR IMPROVEMENT OF SEWERAGE SYSTEM  
IN DHAKA CITY IN BANGLADESH

In response to a request from the Government of the People's Republic of Bangladesh (hereinafter referred to as "the Government of Bangladesh"), the Government of Japan decided to conduct a Basic Design Study on the Project for Improvement of Sewerage System in Dhaka City (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Bangladesh the Basic Design Study Team (I) (hereinafter referred to as "the Team (I)") headed by Mr. Hisatoshi Okubo, Deputy Director, First Project Management Division, Grant Aid Management Department, JICA from October 11 to November 17, 2000.

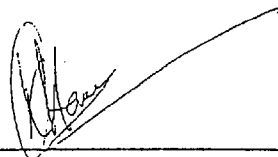
The Team had discussions with the officials concerned of the Government of Bangladesh and conducted field surveys in the study area. In the course of the discussions and field surveys, both sides have confirmed the main items described on the attached sheets.

Dhaka, October 19, 2000



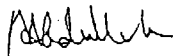
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Hisatoshi Okubo  
Leader  
Basic Design Study Team (I)  
JICA



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Kamrul Hasan  
Deputy Secretary  
Economic Relations Division (ERD)  
Ministry of Finance



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Md. Abdullah  
Deputy Chief  
Local Government Division  
Ministry of Local Government,  
Rural Development and Cooperatives



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M.A. Jalil  
Deputy Chief (Planning)  
Dhaka Water Supply and Sewerage  
Authority (DWASA)



## ATTACHMENT

### 1. Objective

The Objective of the Project is to improve the sewerage in Dhaka City area through provision of sewer cleaning equipment ("Part 1" of the Project) and construction and rehabilitation of sewer ("Part 2" of the Project).

### 2. Project Site

The Site of the Project is Dhaka City (Shown in Annex I) .

### 3. Responsible and Executing Organizations

- (1) The responsible organization of the Project is the Local Government Division (LGD) of the Ministry of Local Government, Rural Development and Cooperatives (LGRDC).
- (2) The executing organization of the Project is the Dhaka Water Supply and Sewerage Authority (DWASA).

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

After discussions with the Team, the items described in Annex II were finally requested for the "Part 1" of the Project by the Government of Bangladesh. JICA will assess the appropriateness of the requested items and will recommend to the Government of Japan for approval. When finalizing the equipment plan, the following criteria may be used;

- (1) Past and current performance of cleaning activities in each Zone,
- (2) Financial viability, i.e. budgetary preparation for daily operation and maintenance of each MODS Zone Office and for its staffing,
- (3) Technical and managerial competence of each MODS Zone Office and,
- (4) Availability of parking space for big machinery and storage room for spare parts.

### 5. Schedule of the Study

- (1) The consultants will proceed to further studies in Bangladesh until November 17, 2000.
- (2) In Japan, JICA will prepare the Interim Report covering the "Part

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1" of the Project and dispatch the Basic Design Study Team (II) in January 2001.

- (3) During the Study, the Team (II) will explain the contents of the report and also conduct further studies in order to determine the items for the "Part 2" of the Project.

#### 6. Minutes of Discussions on the Preparatory Study

The Minutes of Discussions signed on May 31, 2000 has been reproduced as Annex III for record.

#### 7. Japan's Grant Aid Scheme

The Government of Bangladesh has understood the Japan's Grant Aid Scheme and the necessary measures to be taken as explained by the Team (I) and described in Annex III and IV of the Minutes of Discussions on the Preparatory Study.

#### 8. Capacity Building and Institutional Development for Operation and Maintenance (O&M)

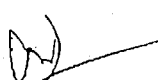
In order to develop and improve the O&M system of DWASA in general and that of cleaning activities of sewer in particular, the Government of Bangladesh will make a separate request for technical assistance. In addition to that, a "Soft Component" under the Grant Aid Scheme is regarded essential as a part of the Project for the same purpose.


#### 9. Items for the "Part 2" of the Project

- (1) Both sides have agreed that technically it has more rationale to start rehabilitation from the southern end of the sewer trunk main, i.e. from Pagla Treatment Plant northward rather than from the northern area downward.
- (2) However, the World Bank had completed its feasibility study "Improved Sanitation Services: Fourth Dhaka Water Supply and Sanitation Project (1998)". The Study included a rehabilitation project of the same trunk main, which is on the short list of future projects of the World Bank for DWASA.
- (3) Therefore, DWASA through LGD will inform the World Bank of

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the contents of discussions it had with the Team (I) and secure from the World Bank firm acknowledgement regarding preparation of the Project.

- (4) LGD will also organize and chair a joint meeting latest by November 5, 2000 to which representatives from the Government of Bangladesh, the World Bank, the Embassy of Japan, JICA Office and the Team (I) will be invited. The meeting is expected to facilitate coordination among the parties concerned and to help avoid any misunderstanding among them in future.
- (5) LGD will write an official letter to JICA Office (and c.c. to Embassy of Japan) regarding the results of the above (3) and latest by the end of November 2000.
- (6) Based on the above (5), the Team (II) will conduct field surveys in the study area from Pagla to the southern end of Gulshan area.

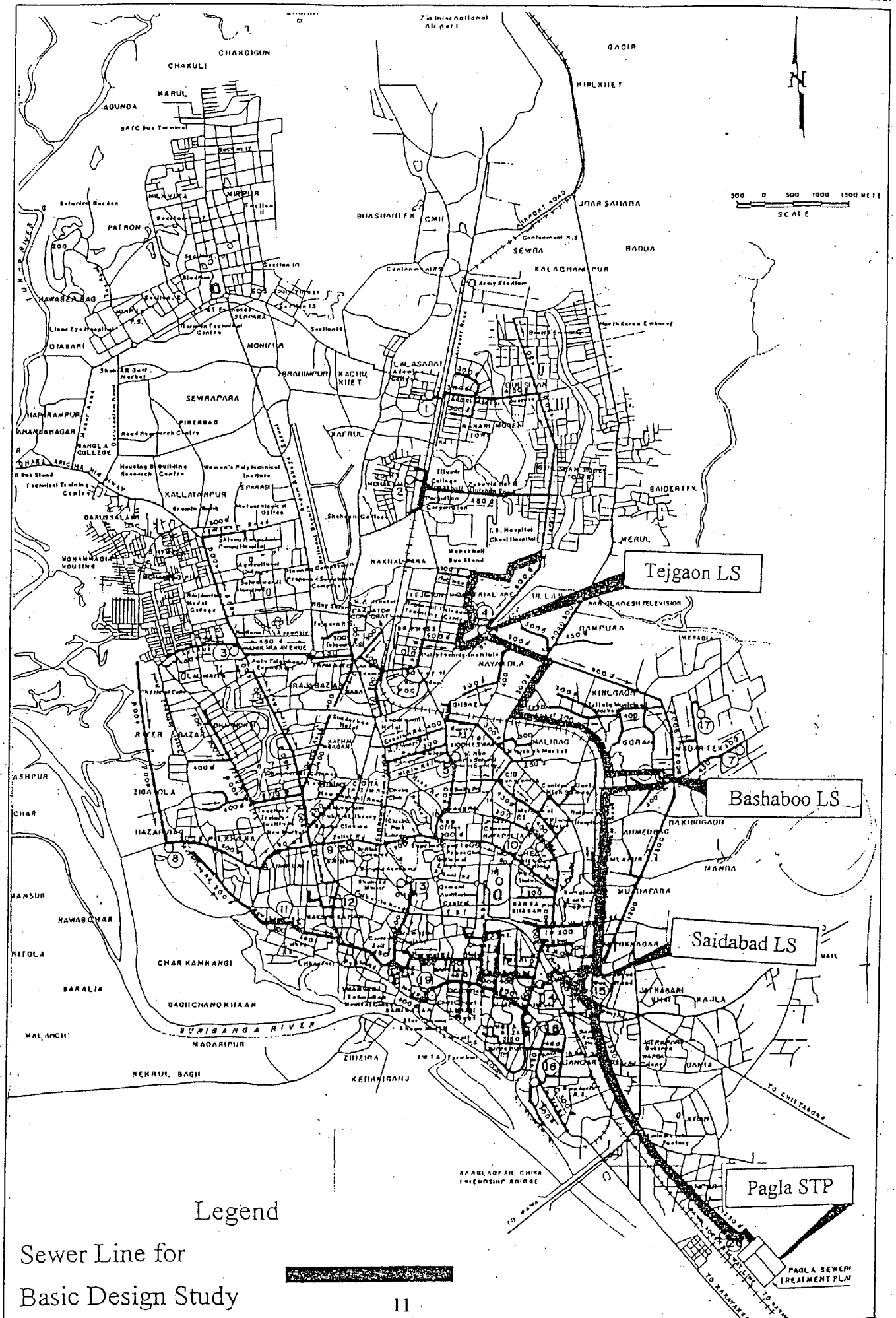
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Annex I



Legend

Sewer Line for  
Basic Design Study



PAGLA SEWER TREATMENT PLANT

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## Annex-II

Items Requested by the Bangladesh Side

Item	Quantity Requested	Priority	
		A (MODS I, V & VI)	B (MODS II, III & IV)
Vacuum Cleaner with Dehydration System	6	3	3
Water Jet Cleaner	6	3	3
Water Tanker	6	3	3
Sludge Hauling Dump Truck	6	3	3
High Pressure Flexible Drain Pipe	6	3	3
Appurtenances	6	3	3
Spare Parts	6	3	3

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MINUTES OF DISCUSSIONS  
PREPARATORY STUDY ON THE EMERGENCY SEWER  
CONSTRUCTION PROJECT IN NORTH DHAKA AREA  
IN THE PEOPLE'S REPUBLIC OF BANGLADESH

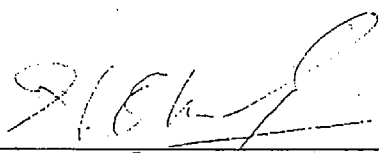
In response to a request from the Government of the People's Republic of Bangladesh (hereinafter referred to as "the Government of Bangladesh"), the Government of Japan decided to conduct a Preparatory Study on the Emergency Sewer Construction Project (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Bangladesh the Preparatory Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Hisatoshi Okubo, Deputy Director, First Project Management Division, Grant Aid Management Department, JICA, and is scheduled to stay in the country from 16th May 2000 to 2<sup>nd</sup> June 2000.

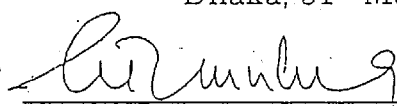
The Team held discussions with the officials concerned of the Government of Bangladesh and conducted a field survey at the study area.

As a result of discussion and field survey, both sides confirmed the main items described on the attached sheets. Subject to the decision by the Government of Japan, JICA will conduct a Basic Design Study on the Project.

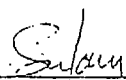
Dhaka, 31<sup>st</sup> May 2000



Hisatoshi Okubo  
Leader  
Preparatory Study Team  
Japan International Cooperation Agency  
Japan



A.K.M. Nashirul Haq  
Deputy Secretary  
Economic Relations Division  
Ministry of Finance



Serajul Islam  
Deputy Chief  
Local Government Division  
Ministry of Local Government Rural  
Development and Cooperatives



M.A. Jalil  
Deputy Chief (Planning)-  
Dhaka Water Supply and  
Sewerage Authority

## ATTACHMENT

### 1. Objective of the Project

The Objective of the Project is to improve the sewerage in Dhaka area through construction and rehabilitation of sewer and provision of sewer cleaning equipment.

### 2. Project Site

The site of the Project is Dhaka City. (See map in Annex -I)

### 3. Responsible and Implementing Agency

3-1. The Responsible Agency is the Local Government Division of the Ministry of Local Government, Rural Development and Cooperatives (LGRDC).

3-2. The Implementing Agency is the Dhaka Water Supply and Sewerage Authority (DWASA).

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

After discussions with the Team, the Government of Bangladesh finally requested the items described in Annex-II.

JICA will assess the appropriateness of the request and will report the findings to the Government of Japan. The final components of the Project will be decided after the Basic Design Study.

### 5. Japan's Grant Aid Scheme

5-1. The Government of Bangladesh understands the Japan's Grant Aid Scheme explained by the Team, as described in Annex-III.

5-2. The Government of Bangladesh will take necessary measures, as described in Annex-IV, for smooth implementation of the Project, as a condition for the Japanese Grant Aid to be implemented.

## 6. Schedule of the Study

If the Project is found feasible as a result of the Preparatory Study, JICA will send the Basic Design Study Team around September 2000.

## 7. Other Relevant Issues

### 7-1. Title of the Project

As the rehabilitation of the sewerage requested by the Government of Bangladesh extends not only in North Dhaka but also in South Dhaka, the title of the Project would be changed according to the Basic Design Study.

### 7-2. Sewer Trunk Main

A portion of the sewer trunk main between Tejgaon LS and Bashaboo LS has been dilapidated since the severe flooding in 1998. The sewer trunk main from Saydabad LS to Pagla Treatment Plant has not been functioning properly, either. The Government of Bangladesh explained that these 2 lines should be included in the Project components since volume of sewage flow into the Pagla Treatment Plant could not be expected to increase without their rehabilitation. The Team supported the above view of the Government of Bangladesh.

### 7-3. Equipment

The Team explained that types, quality and specifications of a set of cleaning equipment should be carefully examined based on results of further studies later.

### 7-4. Pump / Lift Station

DWASA has just started implementing a project to rehabilitate 8 lift stations along the sewer trunk main. A tender has already been opened for procurement of 29 number of pump equipment. Among the 8 lift stations, Tejgaon LS, Bashaboo LS and Saydabad LS are along the sewer trunk main of the Project.

DWASA unofficially expressed its hope that rehabilitation and construction of buildings of these 3 pump stations be included in the Project. The Team pointed out that the schedule of the DWASA project were well ahead of the expected timely of the Project and explained that it was very difficult to



consent to DWASA's request.

However, the team recommended that DWASA seek for possibility to utilize Japan's Counterpart Fund for realization of its plan.

#### 7-5. Baridhara Area

The Project proposal prepared by the Government of Bangladesh in 1998 "Emergency Sewer Construction Project for North Dhaka" did not explicitly include components for Baridhara area.

However, both the Master Plan "The study on the Sewerage System in North Dhaka" and the PCP (Project Concept Paper) for the Project included Baridhara. Both sides therefore understood that the construction of sewer in the area was a legitimate part of the Project.

#### 7-6. Prioritization of the Items in the Project

Both sides discussed the implementing priority of items in the Project and concluded as follows;

1st Priority: Equipment

2nd Priority: Rehabilitation / Construction (Gulshan Area – Tejgaon LS – Bashaboo LS – Saydabad LS line)

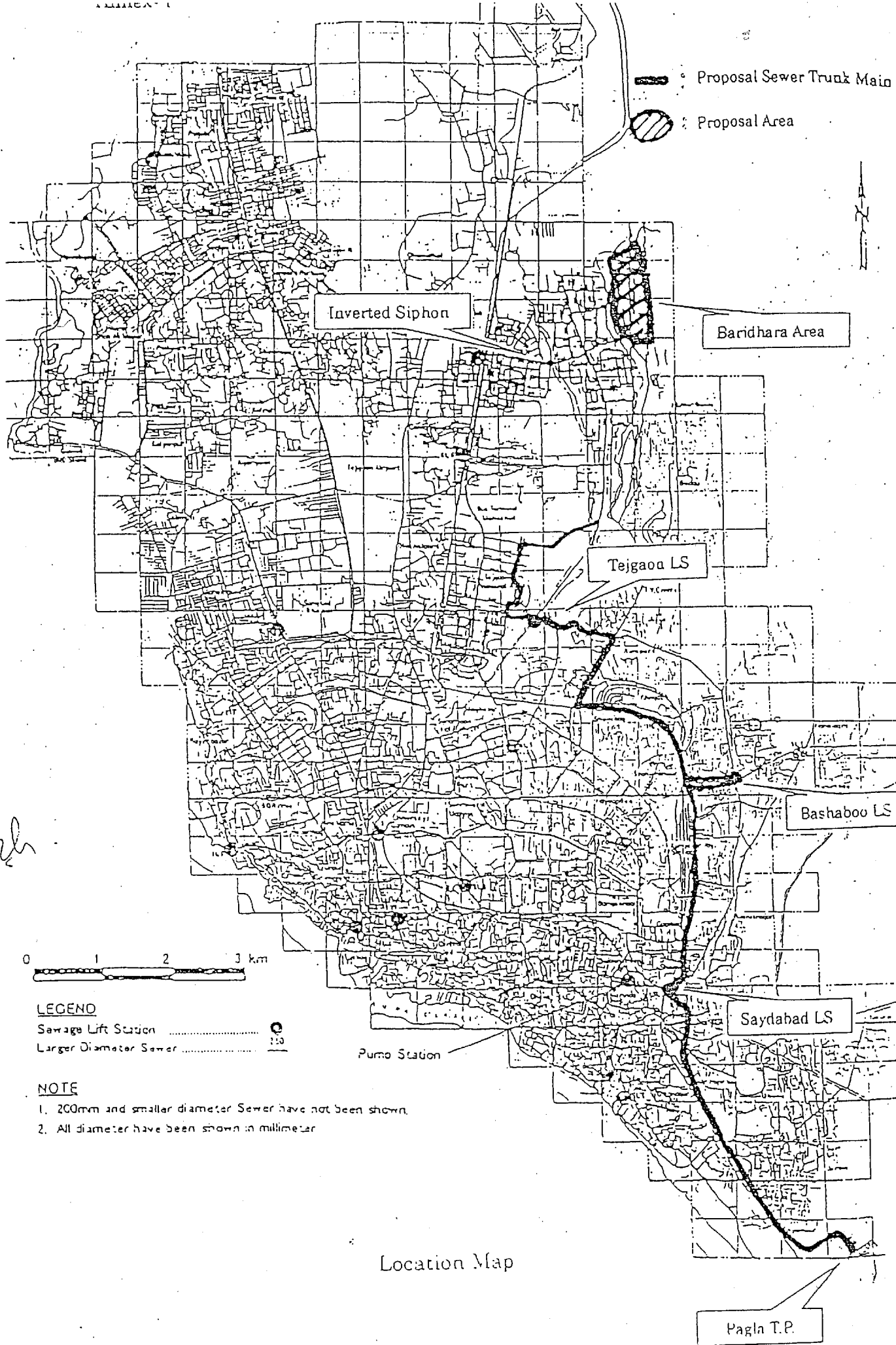
3rd Priority: Rehabilitation / Construction (Saydabad LS – Pagla Treatment Plant line)

4th Priority: Construction (Baridhara Area)

#### 7-7. Capacity Building and Institutional Development of Operation and Maintenance

The Government of Bangladesh fully understood that O/M of equipment and facilities under the Project should be their responsibility. In order to develop and improve the O/M system of DWASA, the Government of Bangladesh expressed its desire to have technical support from the Japanese side.

The details of the matter will be discussed at the Basic Design Study Stage.



Location Map

Annex-II

Items requested by the Government of Bangladesh

1. Construction and Rehabilitation of sewer trunk main
    - (a) Gulshan Area to Tejgaon Lift Station (LS)
    - (b) Tejgaon LS to Bashaboo LS
    - (c) Bashaboo LS to Saydabad LS
    - (d) Saydabad LS to Pagla Treatment Plant
  
  2. Construction and Rehabilitation of other facilities
    - (a) Inverted Siphon in Banani area leading to Gulshan area
    - (b) Sewer in Baridhara area
  
  3. Provision of Equipment
    - (a) Vacuum Cleaner with Dehydration System
    - (b) Water Jet Cleaner
    - (c) Water Tanker
    - (d) Sludge Hauling Dump Truck
    - (e) Service Truck
    - (f) Generator
    - (g) Submersible Pump
    - (h) Blower
    - (i) Gas Detector
    - (j) High Pressure Flexible Drain Pipe
    - (k) Appurtenances
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## Japan's Grant Aid Program

### 1. Japan's Grant Aid Procedures

- (1) The Japan's Grant Aid is executed by the following procedures.
- Application (request made by a recipient country)
  - Study (Preparatory Study / Basic Design Study conducted by JICA)
  - Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
  - Determination of Implementation (Exchange of Notes between the Governments of Japan and the recipient country)
  - Implementation (Implementation of the Project)
- (2) Firstly, an application or a request for a Project submitted by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is suitable for Japan's Grant Aid. If the request is deemed appropriate, the Government of Japan entrusts a study on the request to JICA (Japan International Cooperation Agency).

Secondly, JICA conducts the study (Basic Design Study), using a Japanese consulting firm(s). If the background and objective of the requested project are not clear, a Preparatory Study is conducted prior to a Basic Design Study.

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

Fourthly, the Project approved by the Cabinet becomes official when pledges by the Exchange of Notes signed by the both Governments.

Finally, for the implementation of the Project, JICA assists the recipient country in preparing contracts and so on.

### 2. Basic Design Study

#### (1) Contents of the Study

The purpose of the Study (Preparatory Study/Basic Design Study) conducted on a project requested by JICA is to provide a basic document necessary for appraisal of the project by the Japanese Government. The contents of the Study are as follows:

- (a) to confirm background, objectives, benefits of the project and institutional capacity of agencies concerned of the recipient country necessary for project implementation;
- (b) to evaluate appropriateness of the Project for the Grant Aid Scheme from a technical, social and economical point of view;
- (c) to confirm items agreed on by both parties concerning the basic concept of the Project;
- (d) to prepare a basic design of the project,
- (e) to estimate cost involved in 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 is 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) Selecting (a) Consulting Firm(s)

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

The consulting firm(s) used for the study is (are) recommended by JICA to a recipient country after Exchange of Notes, in order to maintain technical consistency.

3. Japan's Grant Aid Scheme

(1) What is Grant Aid?

The Grant Aid provides a recipient country with non-reimbursable funds needed to procure facilities, equipment and services for economic and social development of the country under the following principles in accordance with relevant laws and regulations of Japan. The Grant Aid is not in a form of donation as such.

(2) Exchange of Notes (E/N)

The Japan's Grant Aid is extended in accordance with the Exchange of Notes by both Governments, 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 Japanese single fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedure such as Exchange of Notes, concluding contracts with (a) consulting firm(s) and (a) contractor(s) and a 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 single fiscal year at most by mutual agreement between the two Governments.

(4) Under the Grant, in principle, products and services of origins of Japan or the recipient country are to be purchased.

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

However the prime contractors, namely, consulting, construction and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means Japanese physical persons or Japanese juridical persons controlled by Japanese physical persons.)

(5) Necessity of the "Verification"

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

(6) Undertakings required to the Government of the recipient country

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

- (a) to secure land necessary for the sites of the project and to clear and level the land prior to commencement of the construction work,
- (b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- (c) to secure buildings prior to the installation work in case the Project is providing equipment,
- (d) 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,
- (e) 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,
- (f) 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 facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for their operation and maintenance as well as to bear all expenses other than those to be borne by the Grant Aid.

(8) Re-export

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

(9) Banking Arrangement (B/A)

- (a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in a 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 Government of the recipient country or its designated authority under the contracts verified.
- (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-IV: UNDERTAKINGS REQUIRED OF THE GOVERNMENT OF BANGLADESH

Necessary measures to be taken by the Government of Bangladesh on condition that the Grant Aid by the Government of Japan is extended to the Project.

1. To provide data and information necessary for the Project.
2. To secure the land necessary for the execution of the Project.
3. To clear the sites.
4. To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities in around the sites.
5. To bear the following commissions to a bank of Japan for the banking services based upon the B/A.
  - 1) Advising commission of A/P
  - 2) Payment commission
6. To ensure all the expenses and prompt excursion for unloading, customs clearance at the port of disembarkation in the Government of Bangladesh and internal transportation of the products purchased under the Grant Aid.
7. To accord Japanese nationals whose services may be required in connection with the supply of the products and services under verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.
8. 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.
9. To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid.
10. To provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary.
- ii. To coordinate and solve any issues related to the Project which may be raised from third parties or inhabitants in the Project area during implementation of the Project.
12. To bear all the expenses other than those covered by the Grant Aid, necessary for the Project.

**Appendix-5 Other Relevant Data**

No.	Content of Data	Organization issued
1	Sewer complaints (overflow) in Zone V, Dhaka WASA	DWASA, MODS Zone V Office
2	Organization Chart, MODS Zone V Office	DWASA, MODS Zone V Office
3	MODS Zone I in details (Sewer Lines)	DWASA, MODS Zone I Office
4	Work Schedule of Mass-cleaning of Sewer Lines	DWASA
5	Staff Position of MODS Zone III Office	DWASA, MODS Zone III Office