

付 属 資 料

1. 詳細計画策定調査M/M
2. 収集資料リスト
3. 収集資料
(2. 収集資料リストC2 : Review of Master Plan and DED for Jakarta Wastewater Development Project)
4. R/D

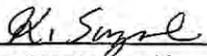
**MINUTES OF MEETINGS
BETWEEN
JAPAN INTERNATIONAL COOPERATION AGENCY
AND
AUTHORITIES CONCERNED OF
THE GOVERNMENT OF THE REPUBLIC OF INDONESIA
ON
JAPANESE TECHNICAL COOPERATION
FOR
PROJECT FOR CAPACITY DEVELOPMENT OF WASTEWATER SECTOR
THROUGH
REVIEWING THE WASTEWATER MANAGEMENT MASTER PLAN
IN DKI JAKARTA**

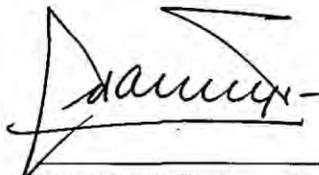
Japan International Cooperation Agency (hereinafter referred to as "JICA") has dispatched the Detailed Planning Survey Team (hereinafter referred to as "the Team") headed by Mr. Kazuya Suzuki to the Republic of Indonesia from December 6 to December 22, 2009 for the purpose of preparation of the technical cooperation regarding the Project for Capacity Development of Wastewater Sector through reviewing the Wastewater Management Plan in DKI Jakarta (hereinafter referred to as "the Project").

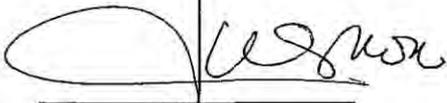
During its stay in Indonesia, the Team exchanged their views and had a series of discussions for the purpose of working out the framework and contents of the Project with the authorities concerned of the Republic of Indonesia.

As a result of discussions, both sides came to understanding concerning the matters referred to in the document attached hereto.

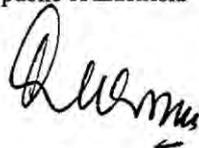
Jakarta, December 17, 2009


Mr. Kazuya Suzuki
Leader,
Detailed Planning Survey Team,
Japan International Cooperation
Agency
Japan


Mr. Danny Sutjiono
Director,
Directorate of Program
Development,
Directorate General of Human
Settlements,
Ministry of Public Works
The Republic of Indonesia


Mr. Susmono
Director,
Directorate of Environmental
Sanitation Development,
Directorate General of Human
Settlements,
Ministry of Public Works
The Republic of Indonesia


Mr. Nurfakih Wirawan
Head of BAPPEDA,
DKI Jakarta
The Republic of Indonesia


Mrs. Liliansari Loedin
President Director,
PD PAL JAYA
The Republic of Indonesia


Mr. Budi Hidayat
Director,
Directorate of Settlements and
Housing,
BAPPENAS
The Republic of Indonesia

ATTACHED DOCUMENT

1. Title of the Project

Both sides agreed that the title of the Project will be "Project for Capacity Development of Wastewater Sector through reviewing the Wastewater Management Master Plan in DKI Jakarta".

2. Draft of Record of Discussions

As a result of the discussions, both sides agreed on the draft of Record of Discussions (hereinafter referred to as "R/D"), which stipulates the framework of the Project, shown in Appendix I. After the approval of implementation of the Project by both JICA headquarters and Indonesian side, the R/D will be finalized and signed by JICA Indonesia office and the authorities concerned of the Republic of Indonesia.

The Team explained that the attached R/D was draft and was subject to change in the authorization process by the competent authorities of both sides. The Team also explained that this Minutes of Meetings was a technical document to inscroll discussion results between the Indonesian related authorities and the Team as a preparation process to formulate R/D.

3. Implementing Agency

Both sides agreed that the Ministry of Public Works (hereafter referred to as "MPW") and DKI Jakarta are the implementing agencies for the Project.

4. Project Design Matrix (PDM)

JICA explained that the Project Design Matrix (hereafter referred to as "PDM") is commonly used in Japanese technical cooperation in order to manage and implement projects efficiently and effectively. It will also be used as a reference for monitoring and evaluating the Project.

As a result of discussions, both sides agreed to apply the tentative PDM as shown in Appendix II to the Project with following understanding:

- 1) The PDM is a logically designed matrix which defines the initial understanding of the framework of the Project and indicates the logical steps toward the achievement of the Project purpose.
- 2) The PDM is to be flexibly revised according to the progress and achievements of the Project, upon approval by the Joint Coordinating Committee, shown in ANNEX VI of the draft of R/D.

5. Duration and Schedule of the Project

The duration of the Project would be two (2) years from the date when the expert(s) arrives. The Plan of Operation has been tentatively formulated according to the draft of R/D. The Tentative Plan of Operation for the entire period of the Project is shown in Appendix III.

The Annual Plan of Operation is to be drafted by both the Indonesian and Japanese sides according to the Plan of Operation and is to be submitted to the Joint Coordinating Committee. The activities are

subject to change within the scope of the R/D, if necessity arises, in the course of the Project implementation.

6. Undertaking of the Government of Japan

After the approval of JICA headquarters and signing of R/D, JICA will take, at its own expense, the following measures in accordance with the laws and regulations in force in Japan.

1) Dispatch of Japanese Experts

JICA will provide the services of the Japanese experts.

2) Provision of Equipment

JICA will provide equipment and other materials (hereinafter referred to as “the Equipment”) necessary for the implementation of the Project.

3) Training of Indonesian Personnel in Japan

JICA will receive the Indonesian personnel connected with the Project for technical training in Japan.

7. Undertaking of the Government of the Republic of Indonesia

1) Allocation of Budget

Both sides confirmed that the followings would be allocated by the Indonesian side to ensure effective implementation of the Project.

- a. Salaries and other allowances for Indonesia counterpart personnel for the training and seminar in Indonesia provided in the Project.
- b. Expenses for utility such as electricity, water supply, etc.
- c. Operational expenses for customs clearance, storage and domestic transportation for the equipment provided by the Japanese side, if necessity arises.
- d. Other contingency expenses related to the Project

2) Allocation of Personnel

Both sides confirmed that the Indonesian side (MPW, DKI Jakarta and PD PAL JAYA) would assign suitable number of capable counterpart personnel in order to ensure the effective implementation of the Project. The list of counterpart personnel is attached as ANNEX IV of the draft of R/D.

3) Office space

MPW and DKI Jakarta will provide furnished and air-conditioned office spaces in MPW and DKI Jakarta, which can accommodate two (2) or three (3) persons in MPW and about ten (10) persons in DKI Jakarta (Japanese experts and support staff such as interpreter and secretary) for the smooth implementation of the Project.



4) Providing necessary information

Both sides confirmed that the related Indonesian authorities including MPW, DKI Jakarta and PD PAL JAYA would provide necessary information on implementing the Project such as documentary records, standards, etc.

5) Privileges, exemptions and benefits

Both sides confirmed that the central government of Indonesia including Directorate General of Human Settlements of MPW and BAPPENAS would take necessary measures to grant privileges, exemptions and benefits to the Japanese experts referred in ANNEX II of the draft of R/D which are no less favorable than those accorded to experts of third countries working in Indonesia under the Colombo Plan Technical Cooperation Scheme.

8. Other relevant Issues

1) The Wastewater management Master Plan

The wastewater management Master Plan in DKI Jakarta, shown in the Project title, is the Sanitation and Sewerage Development Master Plan, which was drafted by MPW and JICA in 1991 as a part of "The Study on Urban Drainage and Wastewater Disposal Project in the city of Jakarta".

During reviewing the Master Plan through project activities, following documents should be referred by the Project:

- a) Jakarta Wastewater Disposal Project, 2001
- b) Review of Master Plan and Detail Design for Jakarta wastewater development project, 2009 (MPW)

2) Definition of wastewater sector

Both sides confirmed that wastewater sector in the Project includes on-site system and off-site system.

On-site system consists of septic tank service, desludging and sludge treatment.

Off-site system consists of sewers, pumping station(s) and sewage treatment plant(s).

3) Priority laws, regulations and standards

Both sides confirmed that following laws, regulations and standards are to be developed during the project period.

a) Domestic Wastewater Law

The draft Domestic Wastewater Law will be submitted to the parliament by the middle of 2011. Indonesia side expects that the long-term expert(s) will provide advice for improvement of the draft until submitting it to the parliament.

b) Related regulations of domestic wastewater

Related regulations of domestic wastewater will be drafted and reviewed by local resources by the middle of 2012. Indonesia side expects that the long-term expert(s) will provide advice in development and improvement of the regulations such as governmental order(s) and ministerial order(s) for the Domestic Wastewater Law during the project period. Also Indonesian side mentioned

that guidelines for formulating wastewater management master plans would be necessary for the local governments to introduce wastewater management plans.

4) Project site and target year of the reviewed wastewater management master plan

Both sides confirmed that project site will be entire administrative region of DKI Jakarta and target year of the reviewed master plan will be 2030.

Appendix I Draft of Record of Discussions

Appendix II Draft of Project Design Matrix

Appendix III Tentative Plan of Operation *SM*

RECORD OF DISCUSSIONS

Appendix I

BETWEEN

JAPAN INTERNATIONAL COOPERATION AGENCY

AND

AUTHORITIES CONCERNED OF

THE GOVERNMENT OF THE REPUBLIC OF INDONESIA

ON

JAPANESE TECHNICAL COOPERATION

FOR

PROJECT FOR CAPACITY DEVELOPMENT OF WASTEWATER SECTOR

THROUGH

REVIEWING THE WASTEWATER MANAGEMENT MASTER PLAN

IN DKI JAKARTA

In response to the request of the Government of the Republic of Indonesia, the Government of Japan has decided to conduct the technical cooperation regarding the Project for Capacity Development of Wastewater Sector through reviewing the Wastewater Management Master Plan in DKI Jakarta (hereinafter referred to as "the Project").

Accordingly, Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of the technical cooperation scheme of the Government of Japan, will cooperate with the authorities concerned of the Republic of Indonesia for the Project.

JICA and the Indonesian authorities concerned had a series of discussions on the framework of the Project. As a result of the discussions, JICA and the Indonesian authorities concerned agreed on the matters referred to in the document attached hereto.

Jakarta, *** ***, 2010

Mr. Takashi Sakamoto
Chief Representative,
Indonesia Office,
Japan International Cooperation
Agency
Japan

Mr. Budi Yuwono P 
Director General,
Directorate General of Human
Settlements,
Ministry of Public Works
The Republic of Indonesia

Mr. Muhayat
Provincial Secretary of DKI
Jakarta
The Republic of Indonesia

Mr. Dedy Supriadi Priatna
Deputy for Infrastructure
BAPPENAS
The Republic of Indonesia



THE ATTACHED DOCUMENT

I. COOPERATION BETWEEN JICA AND THE GOVERNMENT OF INDONESIA

1. The Government of Indonesia will implement the Project for Capacity Development of Wastewater Sector through reviewing the Wastewater Management Master Plan in DKI Jakarta (hereinafter referred to as “the Project”) in cooperation with JICA.
2. The Project will be implemented in accordance with the Project Framework which is given in Annex I.

II. MEASURES TO BE TAKEN BY JICA

In accordance with the laws and regulations in force in Japan, JICA will take, at its own expense, the following measures according to the normal procedures under the Colombo Plan Technical Cooperation Scheme.

1. DISPATCH OF JAPANESE EXPERTS

JICA will provide the services of the Japanese experts as listed in Annex II.

2. PROVISION OF EQUIPMENT

JICA will provide equipment and other materials (hereinafter referred to as “the Equipment”) necessary for the implementation of the Project as listed in Annex III. The Equipment will become the property of the Government of Indonesia upon being delivered C.I.F. (cost, insurance and freight) to the Indonesian authorities concerned at the ports and/or airports of disembarkation.

3. TRAINING OF INDONESIAN PERSONNEL IN JAPAN

JICA will receive the Indonesian personnel connected with the Project for technical training in Japan.



III. MEASURES TO BE TAKEN BY THE GOVERNMENT OF INDONESIA

1. The Government of Indonesia will take necessary measures to ensure that the self-reliant operation of the Project will be sustained during and after the period of Japanese technical cooperation, through full and active involvement in the Project by all related authorities, beneficiary groups and institutions.
2. The Government of Indonesia will ensure that the technologies and knowledge acquired by the Indonesian nationals as a result of Japanese technical cooperation will contribute to the economic and social development of Indonesia.
3. The Government of Indonesia will grant in Indonesia privileges, exemptions and benefits to the Japanese experts referred to in II-1 above and their families, which are no less favorable than those accorded to experts of third countries working in Indonesia under the Colombo Plan Technical Cooperation Scheme.
4. The Government of Indonesia will ensure that the Equipment referred to in II-2 above will be utilized effectively for the implementation of the Project in consultation with the Japanese experts referred to in Annex II.
5. The Government of Indonesia will take necessary measures to ensure that the knowledge and experience acquired by the Indonesian personnel from technical training in Japan will be utilized effectively in the implementation of the Project.
6. In accordance with the laws and regulations in force in Indonesia, the Government of Indonesia will take necessary measures to provide at its own expense:
 - (1) Services of the Indonesia counterpart personnel and administrative personnel as listed in Annex IV;
 - (2) Office space and facilities as listed in Annex V; and
 - (3) Supply or replacement of equipment, instruments, tools, spare parts and any other materials necessary for the implementation of the Project other than the

Equipment provided by JICA under II-2 above.

7. In accordance with the laws and regulations in force in Indonesia, the Government of Indonesia will take necessary measures to meet:
 - (1) Expenses necessary for transportation within Indonesia of the Equipment referred to in II-2 above as well as for the installation, operation and maintenance thereof;
 - (2) Customs duties, internal taxes and any other charges, imposed in Indonesia on the Equipment referred to in II-2 above; and
 - (3) Running expenses necessary for the implementation of the Project.

IV. ADMINISTRATION OF THE PROJECT

1. Director of Directorate of Environmental Sanitation Development, Directorate General of Human Settlements, Ministry of Public Works, as the Project Director, will bear overall responsibility for the administration and implementation of the Project.
2. Head of Sub-directorate of wastewater development, Directorate of Environmental Sanitation Development, Directorate General of Human Settlements, Ministry of Public Works, as the Project Manager, will be responsible for the managerial and technical matters of the Project.
3. Head of Urban infrastructure and environment division of BAPPEDA, DKI Jakarta, as the Co-Project Manager, will be responsible for the managerial and technical matters of the Project.
4. The Japanese Team Leader will provide necessary recommendations and advice to the Project Director and the Project Managers on any matters pertaining to the implementation of the Project.
5. The Japanese experts will give necessary technical guidance and advice to the Indonesian counterpart personnel on technical matters pertaining to the

implementation of the Project.

6. For the effective and successful implementation of technical cooperation for the Project, a Joint Coordinating Committee will be established by DGHS whose functions and composition are described in Annex VI.

V. JOINT EVALUATION

Evaluation of the Project will be conducted jointly by JICA and the Indonesian authorities concerned, during the last six months of the cooperation term in order to examine the level of achievement.

VI. CLAIMS AGAINST JAPANESE EXPERTS

The Government of Indonesia undertakes to bear claims, if any arises, against the Japanese experts engaged in technical cooperation for the Project resulting from, occurring in the course of, or otherwise connected with the discharge of their official functions in Indonesia except for those arising from the willful misconduct or gross negligence of the Japanese experts.

VII. MUTUAL CONSULTATION

There will be mutual consultation between JICA and the Government of Indonesia on any major issues arising from, or in connection with this Attached Document.

VIII. MEASURES TO PROMOTE UNDERSTANDING OF AND SUPPORT FOR THE PROJECT

For the purpose of promoting support for the Project among the people of Indonesia, the Government of Indonesia will take appropriate measures to make the Project widely known to the people of Indonesia.

IX. TERM OF COOPERATION

The duration of the technical cooperation for the Project under this Attached Document will be two (2) years from the date when the expert(s) arrives.

ANNEX I	PROJECT FRAMEWORK
ANNEX II	LIST OF JAPANESE EXPERTS
ANNEX III	LIST OF EQUIPMENT
ANNEX IV	LIST OF INDONESIAN COUNTERPART AND ADMINISTRATIVE PERSONNEL
ANNEX V	LIST OF OFFICE SPACE AND FACILITIES
ANNEX VI	JOINT COORDINATING COMMITTEE

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ANNEX I PROJECT FRAMEWORK

1. Title of the Project
Project for Capacity Development of Wastewater Sector through reviewing the Wastewater Management Master Plan in DKI Jakarta
2. Overall goal
 - 1 Proper policy, system and plan in wastewater sector are established.
 - 2 DKI Jakarta has enough capacity to improve wastewater sector conditions.
3. Project purpose
Capacity of Ministry of Public Works and DKI Jakarta in formulation of wastewater sector policies and wastewater management plans is enhanced.
4. Outputs
 - (1) Domestic Wastewater Law and its regulations are prepared.
 - (2) The wastewater management master plan in DKI Jakarta is revised.
5. Activities
 - (1-1) To collect and analyze basic information related to national wastewater sector, and identify institutional and technical issues based on existing data and previous study
 - (1-2) To select priority laws and regulations comprises norms, standards, guidelines and criteria to be developed or revised
 - (1-3) To develop draft of laws and regulations comprises norms, standards, guidelines and criteria that are selected in activity (1-2)
 - (1-4) To hold a seminar with relevant organizations / stakeholders in the wastewater sector to share and discuss the result of activity (1-3)
 - (1-5) To develop or revise laws and regulations identified in activity (1-2) based on the result of activity (1-4) and (2-2-13)
 - (1-6) To submit laws to the parliament and regulations to the minister of PW

 - (2-1) To conduct survey for reviewing the wastewater management master plan in DKI Jakarta
 - (2-1-1) To review the existing data and information including progress of the master plan, related plans and policies
 - (2-1-2) To assess capacity of wastewater sector in DKI Jakarta and PD PAL JAYA.
 - (2-1-3) To identify flood condition and major drainage facilities
 - (2-1-4) To conduct site survey and data analysis
 - (2-1-5) To analyze socio economic data for establishing the master plan
 - (2-1-6) To identify institutional issues (organizational, financial and human resources related)

in the relevant organizations in wastewater in DKI Jakarta

(2-1-7) To conduct field survey for selection of sewage treatment plant sites

(2-1-8) To conduct water quality survey

(2-1-9) To evaluate the present condition and to identify the issues

(2-2) To review the master plan

(2-2-1) To develop the basic plan for wastewater management including targets, strategies and actions

(2-2-2) To develop the frame work for wastewater management system

(2-2-3) To develop the planning data (qualities and quantity of wastewater generation)

(2-2-4) To make a zoning of off-site system and on-site system

(2-2-5) To conduct topographic and geological survey at sewage treatment plant sites

(2-2-6) To develop alternative studies of the master plan (construction cost, OM cost, environment and others)

(2-2-7) To select the most appropriate alternative option

(2-2-8) To conduct Initial Environmental Evaluation (IEE)

(2-2-9) To develop an improvement plan of the organizational functions

(2-2-10) To develop an activity plan of environmental education in wastewater sector

(2-2-11) To evaluate the selected alternative option by economical, financial, technical, social and environmental aspects

(2-2-12) To identify priority actions to be taken for implementation of the master plan and make an action plan including implementation of a feasibility study and capacity development for related stakeholders

(2-2-13) To publish the revised wastewater management master plan in DKI Jakarta



ANNEX II LIST OF JAPANESE EXPERTS

1. Long-term expert
 - Chief Advisor / Sewerage Policy Advisor
2. Short-term expert team
 - 1) Leader/Sewerage planning
 - 2) Sub-leader/On-site system
 - 3) Urban planning
 - 4) Wastewater treatment planning
 - 5) Sewerage facilities planning
 - 6) Urban drainage
 - 7) GIS
 - 8) Institution
 - 9) Economics / finance
 - 10) Environment and social consideration
 - 11) Environmental education
 - 12) Coordinator

Note:

Japanese experts will be added as the need arises for the smooth and effective implementation of the Project.



ANNEX III LIST OF EQUIPMENT

1. Personal computer and software for GIS Two (2) sets

2. Printer Two (2) sets

Note:

1. The above mentioned equipment is limited to the equipment necessary for the transfer of technology by the Japanese experts.
2. The detailed specification of the above items may be subject to change depending on the results of tender and budgetary limitation. *OX*

ANNEX IV LIST OF INDONESIAN COUNTERPART AND ADMINISTRATIVE PERSONNEL

No	Project Position	Position	Organization	Related Output
1.	Project Director	Director	DESD/DGHS	Output 1, 2
2.	Project Manager	Head of Sub-directorate of Sanitation	DESD/DGHS	Output 1, 2
3.	Co-project Manager Head of C/P of Output 2	Head of Urban Infrastructure and Environment Division	BAPPEDA, DKI Jakarta	Output 2
4.	Head of C/P of Output 1	Head of Sub-directorate of Technical Planning and Controlling	DESD/DGHS	Output 1
5.		Head of Sub-directorate for Policy and Strategy	Directorate of Program Development, DGHS	Output 1
6.		Head of Sub-division of Law	DGHS	Output 1
7.		Chief of Regulation Section	DGHS	Output 1
8.		Chief of Wastewater Development Region 1 Section	DGHS	Output 1
9.		Technical and Business Director	PD PAL JAYA	Output 2
10.		Head of Pollution control and Sanitation Division	Environmental Board, DKI Jakarta	Output 2
11.		Head of Planning and Programming Division	Cleansing Department, DKI Jakarta	Output 2
12.		Head of Planning Division	Public Works Department, DKI Jakarta	Output 2
13.		Head of Environmental Division	Spatial Planning and Environmental Bureau, DKI Jakarta	Output 2
14.		Head of Urban Infrastructure Planning Division	Spatial Planning Department, DKI Jakarta	Output 2

DESD/DGHS: Directorate of Environmental Sanitation Development, Directorate General of Human Settlements, Ministry of Public Works

Note:

Counterpart personnel will be added as the need arises for the smooth and effective implementation of the Project.

ANNEX V LIST OF OFFICE SPACE AND FACILITIES

1. Furnished and air-conditioned office spaces in MPW and DKI Jakarta, which can accommodate two (2) or three (3) persons in MPW and about ten (10) persons in DKI Jakarta (Japanese experts and support staff such as interpreter and secretary).
2. Facilities such as desks, chairs, book shelves, internet access and telephones, etc necessary for the Project activities.
3. Other facilities mutually agreed upon as necessary *RR*

ANNEX VI JOINT COORDINATING COMMITTEE

1. Functions

A Joint Coordinating Committee will be organized. The committee meeting will be held at least twice a year and whenever need arises.

The functions of the Committee are as follows.

- 1) To supervise the annual work plan of the Project in line with the Plan of Operations.
- 2) To review the annual and overall progress of the Project and to evaluate the accomplishment of the annual targets and achievement of the objectives.
- 3) To identify proper ways and means for solution of the major issues arising from or in connection with the Project.

2. Composition

1) Chairperson:

Director General of Human Settlements, Ministry of Public Works

2) Members of the Indonesian Side:

Deputy Governor for Spatial Planning and Environment, DKI Jakarta

Head of BAPPEDA, DKI Jakarta

Assistant of development and environment, secretary of province DKI Jakarta

Head of Public Works Department, DKI Jakarta

Head of Environmental Management Board, DKI Jakarta

Head of Cleansing Department, DKI Jakarta

Director of Settlements and Housing, BAPPENAS

Director of Program Development, Directorate General of Human Settlements, Ministry of Public Works

Director of Environmental Sanitation Development, Directorate General of Human Settlements, Ministry of Public Works

President Director of PD PAL JAYA

3) Members of the Japanese Side:

a. Chief Representative of JICA Indonesia Office

b. JICA Experts

c. Other personnel concerned, to be assigned by JICA, if necessary

Note:

Official(s) of the Embassy of Japan in the Republic of Indonesia may attend as observer(s).

Appendix II Project Design Matrix (PDM0) DRAFT

Creation Date : Dec.17, 2009

Project Name : Project for Capacity Development of Wastewater Sector through reviewing the Wastewater Management Master Plan in DKI Jakarta

Implementing agencies : Directorate General of Human Settlement of Ministry of Public Works (MPW) and DKI Jakarta

Cooperating agencies : PD PAL JAYA

Target Groups : (Direct) Staff members of MPW, DKI Jakarta and PD PAL JAYA (Indirect) Residents of DKI Jakarta

Duration of the project : 2010-2012 (2 years)

Project Site : DKI Jakarta

Narrative Summary	Objective, Verifiable Indicators	Means of Verification	Important Assumptions
<p>[Overall Goal]</p> <p>1 Proper policy, system and plan in wastewater sector are established. 2 DKI Jakarta has enough capacity to improve wastewater sector conditions.</p>	<p>1-1 Domestic Wastewater Law is enacted. 1-2 Regulations and standards related to Domestic Wastewater Law are enacted. 2-1 Revised wastewater management master plan is implemented. 2-2 Financial plan is prepared.</p>	<p>1-1 Domestic Wastewater Law 1-2 Regulations and standards related to Domestic Wastewater Law 2-1, 2 Record and information from MPW and DKI Jakarta.</p>	
<p>[Project Purpose]</p> <p>Capacity of Ministry of Public Works and DKI Jakarta in formulation of wastewater sector policies and wastewater management plans is enhanced.</p>	<p>1-1 Draft Domestic Wastewater Law is submitted to the parliament. 1-2 Draft Regulations and standards related to Domestic Wastewater Law are submitted to MPW. 2 An action plan of the implementation of the revised Wastewater Management Master Plan in DKI Jakarta is developed (with information on timeframe, target, organization/section in charge, sources of the budget for each work item).</p>	<p>1-1,2 Information from MPW and DKI Jakarta 2 Action plan</p>	<p>1. Improvement of the wastewater management system remains as a priority in the policy of Ministry of Public Works and DKI Jakarta. 2. Financial resources for implementation of the master plan are available 3 Land for sewage treatment plants is secured.</p>
<p>[Outputs]</p> <p>1. Domestic Wastewater Law and its regulations are prepared. 2. The wastewater management master plan in DKI Jakarta is revised.</p>	<p>1-1 Draft Domestic Wastewater Law is developed. 1-2 Regulations and standards related to Domestic Wastewater Law are developed. 2-1 Revised wastewater management master plan is approved in DKI Jakarta.</p>	<p>1-1 Draft Domestic Wastewater Law 1-2 Related regulations and standards 2-1 Revised wastewater management master plan</p>	

Narrative Summary	Inputs	Important Assumptions
<p>[Activities]</p> <p>(1-1) To collect and analyze basic information related to national wastewater sector, and identify institutional and technical issues based on existing data and previous study</p> <p>(1-2) To select priority laws and regulations comprises norms, standards, guidelines and criteria to be developed or revised</p> <p>(1-3) To develop draft of laws and regulations comprises norms, standards, guidelines and criteria that are selected in activity (1-2)</p> <p>(1-4) To hold a seminar with relevant organizations / stakeholders in the wastewater sector to share and discuss the result of activity (1-3)</p> <p>(1-5) To develop or revise laws and regulations identified in activity (1-2) based on the result of activity (1-4) and (2-2-13)</p> <p>(1-6) To submit laws to the parliament and regulations to the minister of PW</p>	<p>[Inputs]</p> <p>Japanese side</p> <p>1. Experts</p> <p>(1) Long-term expert Chief Advisor / Sewerage Policy Advisor</p> <p>(2) Short-term expert team</p> <p>1) Leader/Sewerage planning</p> <p>2) Sub-leader/On-site system</p> <p>3) Urban planning</p> <p>4) Wastewater treatment planning</p> <p>5) Sewerage facilities planning</p> <p>6) Urban drainage</p> <p>7) GIS</p> <p>8) Institution</p> <p>9) Economics / finance</p> <p>10) Environment and social consideration</p> <p>11) Environmental education</p> <p>12) Coordinator</p> <p>2. Equipment</p> <p>1) Personal computer and software for GIS Two (2) sets</p> <p>2) Printer Two (2) sets</p> <p>3. Training in Japan</p> <p>4. Local cost</p>	<p>Indonesian side</p> <p>1. Assignment of Counterpart personnel</p> <p>2. Project office spaces and other necessary facilities</p> <p>3. Necessary data/information</p> <p>4. Allocation of operational cost for the Project</p>

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<p>(2-1) To conduct survey for reviewing the wastewater management master plan in DKI Jakarta</p> <p>(2-1-1) To review the existing data and information including progress of the master plan, related plans and policies</p> <p>(2-1-2) To assess capacity of wastewater sector in DKI Jakarta and PD PAL JAYA.</p> <p>(2-1-3) To identify flood condition and major drainage facilities</p> <p>(2-1-4) To conduct site survey and data analysis</p> <p>(2-1-5) To analyze socio economic data for establishing the master plan</p> <p>(2-1-6) To identify institutional issues (organizational, financial and human resources related) in the relevant organizations in wastewater in DKI Jakarta</p> <p>(2-1-7) To conduct field survey for selection of sewage treatment plant sites</p> <p>(2-1-8) To conduct water quality survey</p> <p>(2-1-9) To evaluate the present condition and to identify the issues</p>			<p>[Pre-conditions]</p> <p>1. Appropriate human resources are assigned and budget is allocated to the Project.</p>
<p>(2-2) To review the master plan</p> <p>(2-2-1) To develop the basic plan for wastewater management including targets, strategies and actions</p> <p>(2-2-2) To develop the frame work for wastewater management system</p> <p>(2-2-3) To develop the planning data (qualities and quantity of wastewater generation)</p> <p>(2-2-4) To make a zoning of off-site system and on-site system</p> <p>(2-2-5) To conduct topographic and geological survey at sewage treatment plant sites</p> <p>(2-2-6) To develop alternative studies of the master plan (construction cost, OM cost, environment and others)</p> <p>(2-2-7) To select the most appropriate alternative option</p> <p>(2-2-8) To conduct Initial Environment Evaluation (IEE)</p> <p>(2-2-9) To develop an improvement plan of the organizational functions</p> <p>(2-2-10) To develop an activity plan of environmental education in wastewater sector</p> <p>(2-2-11) To evaluate the selected alternative option by economical, financial, technical, social and environmental aspects</p> <p>(2-2-12) To identify priority actions to be taken for implementation of the master plan and make an action plan including implementation of a feasibility study and capacity development for related stakeholders</p> <p>(2-2-13) To publish the revised wastewater management master plan in DKI Jakarta</p>			

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Appendix III Plan of Operation (Draft)

Project Title: Project for Capacity Development of Wastewater Sector through reviewing the Wastewater Management Master Plan in DKI Jakarta

Term: June 2010 ~ May 2012 (2years)

				2010					2011					2012															
				6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	
		Joint coordinating committee																											
		Terminal Evaluation																											
1. Domestic Wastewater Law and its regulations are prepared.		Target		Person in-charge																									
1-1	To collect and analyze basic information related to national wastewater sector, and identify institutional and technical issues based on existing data and previous study	Domestic wastewater Law	Mr. Handy Legowo(DGHS), Mr. Rudy Arifin(DGHS), Chief of Wastewater Development Region 1 Section																										
1-2	To select priority laws and regulations comprises norms, standards, guidelines and criteria to be developed or revised	Related regulations	Mr. Rudy Arifin(DGHS), Chief of Wastewater Development Region 1 Section																										
1-3	To develop draft of laws and regulations comprises norms, standards, guidelines and criteria that are selected in activity (1-2)	Domestic wastewater Law	Mr. Handy Legowo(DGHS), Mr. Rudy Arifin(DGHS), Mrs. Kuswahyuni(Head of Sub-division of Law)																										
1-4	To hold a seminar with relevant organizations / stakeholders in the wastewater sector to share and discuss the result of activity (1-3)		Mr. Handy Legowo(DGHS), Chief of Regulation Section																										
1-5	To develop or revise laws and regulations identified in activity (1-2) based on the result of activity (1-4) and (2-2-13)		Mr. Rudy Arifin(DGHS), Mrs. Kuswahyuni(Head of Sub-division of Law)																										
1-6	To submit laws to the parliament and regulations and the minister of MPW		Mr. Handy Legowo(DGHS), Mr. Rudy Arifin(DGHS)																										
1-3	To develop draft of laws and regulations comprises norms, standards, guidelines and criteria that are selected in activity (1-2)	Related regulations	Mr. Handy Legowo(DGHS), Mr. Rudy Arifin(DGHS), Mrs. Kuswahyuni(Head of Sub-division of Law)																										
1-4	To hold a seminar with relevant organizations / stakeholders in the wastewater sector to share and discuss the result of activity (1-3)		Mr. Handy Legowo(DGHS), Chief of Regulation Section																										
1-5	To develop or revise laws and regulations identified in activity (1-2) based on the result of activity (1-4) and (2-2-13)		Mr. Rudy Arifin(DGHS), Mrs. Kuswahyuni(Head of Sub-division of Law)																										
1-6	To submit laws to the parliament and regulations to the minister of PW		Mr. Handy Legowo(DGHS), Mr. Rudy Arifin(DGHS)																										
		Training in Japan																											
2. The wastewater management master plan in DKI Jakarta is		Person in-charge																											
2-1	To conduct survey for reviewing the wastewater management master plan in DKI Jakarta		Head of Urban Infrastructure and Environment Division, DKI Jakarta																										
2-1-1	To review the existing data and information including progress of the master plan, related plans and policies		All C/P related to output 2																										
2-1-2	To assess capacity of wastewater sector in DKI Jakarta and PD PAL JAYA		Head of Planning and Programming Division																										
2-1-3	To identify flood condition and major drainage facilities		All C/P related to output 2																										
2-1-4	To conduct site survey and data analysis		All C/P related to output 2																										
2-1-5	To analyze socio economic data for establishing the master plan		BAPPEDA																										
2-1-6	To identify institutional issues (organizational, financial and human resources related) in the relevant organizations in sanitation and sewerage in DKI Jakarta		Environmental Board, DKI Jakarta PD PAL JAYA																										
2-1-7	To conduct field survey for selection of sewage treatment plant sites		Environmental Board, DKI Jakarta																										
2-1-8	To conduct water quality survey		All C/P related to output 2																										
2-1-9	To evaluate the present condition and to identify the issues																												
2-2	To review the master plan																												
2-2-1	To develop the basic plan for wastewater management including targets, strategies and actions		BAPPEDA, Environmental Board, DKI Jakarta PD PAL JAYA																										
2-2-2	To develop the frame work for wastewater management system		BAPPEDA, Environmental Board, DKI Jakarta PD PAL JAYA																										
2-2-3	To develop the planning data (qualities and quantity of wastewater generation)		BAPPEDA, Environmental Board, DKI Jakarta PD PAL JAYA																										
2-2-4	To make a zoning of off-site system and on-site system		BAPPEDA, Environmental Board, Cleansing Department DKI Jakarta PD PAL JAYA																										
2-2-5	To conduct topographic and geological survey at sewage treatment plant sites		BAPPEDA																										
2-2-6	To develop alternative studies of the master plan (construction cost, OM cost, environment and others)		BAPPEDA																										
2-2-7	To select the most appropriate alternative option		All C/P related to output 2																										
2-2-8	To conduct Initial Environmental Evaluation (IEE)		Environmental Board, DKI Jakarta																										
2-2-9	To develop an improvement plan of the organizational functions		BAPPEDA																										
2-2-10	To develop an activity plan of environmental education in wastewater sector		BAPPEDA, Environmental Board, DKI Jakarta PD PAL JAYA																										
2-2-11	To evaluate the selected alternative option by economical, financial, technical, social and environmental aspects		BAPPEDA																										
2-2-12	To identify priority actions to be taken for implementation of the master plan and make an action plan including implementation of a feasibility study and capacity development for related stakeholders		BAPPEDA																										
2-2-13	To publish the revised wastewater management master plan in DKI Jakarta		BAPPEDA																										
		Training in Japan																											

DESDD/DGHS: Directorate of Environmental Sanitation Development, Directorate General of Human Settlements, Ministry of Public Works