

THE KINGDOM OF CAMBODIA  
THE MUNICIPALITY OF PHNOM PENH

TERMS OF REFERENCE  
FOR  
THE STUDY  
ON  
THE URBAN DEVELOPMENT AND TRANSPORT MASTER PLAN  
OF THE PHNOM PENH METROPOLITAN AREA  
IN THE KINGDOM OF CAMBODIA

MAY 1997

APPLICATION FOR THE TECHNICAL COOPERATION  
BY  
THE GOVERNMENT OF JAPAN

## 1. STUDY DIGEST

### (1) Study Title

The Urban Development and Transport Master Plans in Phnom Penh Metropolitan Area of the Kingdom of Cambodia.

### (2) Location

Please see attached Appendix A

### (3) Implementation Agency

#### 1) Name of the Agency

The Municipality of Phnom Penh

#### 2) Number of the Staff of the Agency (on a category basis)

- Engineers and Technicians	:	74 people
- Administration	:	620 people

#### 3) Budget allocated to the Agency

- Annual Budget in 1996	:	1,687,500,000 Riels
- Income in 1996	:	763,106,760 Riels

#### 4) Organization chart

Please see attached Appendix B

#### 5) Other relevant agencies

✓ Joint Steering Committee is to be organized with the Ministry of Public Works and Transport and, if necessary, other relevant agencies.

### (4) Justification of the Study

#### 1) Present conditions of the sector

Recently, the population of the Phnom Penh metropolitan area, the capital city of the Kingdom of Cambodia, has reached to nearly one million under stable domestic conditions after the end of the civil war in 1992. The urbanized area with an area of 290 square kilometers has rapidly extended to surrounding areas. Additionally, motor vehicles shows a remarkable increase in terms of the number of registered vehicles in the area. The total is approximately 150,000, of which 100,000 are motorcycles and 20,000 are passenger cars. The balance is trucks and others. The motorcycles are predominant in Phnom Penh.

From the viewpoint of urban transport planning, the Phnom Penh metropolitan area can be divided into two parts, namely the urbanized area and developing area with high potential for urbanization in the near future.

The urbanized area of Phnom Penh is experiencing serious transport problems caused by inadequate transport facilities and management against to the rapid growth of population and economics. Although the road network is generally satisfactory, most of the roads are severely deteriorated due to lack of funds and shortage of capable personnel.

As present traffic flows concentrate into the urbanized area, traffic congestion occurs

on the trunk roads in the morning and evening peak hours. Traffic management facilities such as traffic signals, signs, lights and markings are nearly non-existent. These poor conditions coupled with shortage of the traffic safety facilities and traffic safety education contribute to an increase in traffic accidents.

Most of the public transport are served by motorcycle taxi (motodop), and ordinary bus services are operated under quite restricted conditions. The facilities of public transport are deteriorated due to poor maintenance and inadequate improvement.

The rapid growth of population and socio-economic activities is causing a sprawling phenomena in the newly developing area. The present road network in the area is by far insufficient and is expected to contribute to the appearance of slums in the area. The poor road network is also causing the increase of traffic concentration in the urbanized area which could be avoided, if the road network in the surrounding area is properly developed with ring roads, bypasses and the like.

To secure orderly and harmonized urbanization in the developing area, it is prerequisite to set a urbanization framework including a land use zoning plan, and a new road network plan.

As a primary step to resolve the urban transport problems in both the urbanized area and the developing area and to make sure of sustainable and orderly development of the Phnom Penh metropolitan area, a land use master plan for the developing area and a transport master plan for both the developing and urbanized areas are in urgent need. Besides the preparation of the above mentioned plans, the shortage of capable personnel in the governmental agencies in charge of urban development and urban transport is another serious issue to be urgently solved.

In line with aforementioned requirements, the government of the Kingdom of Cambodia has decided to conduct a study on urban development and transport master plans and requests assistance for the study from the Japanese government.

2) Sectional Development Policy of the national and local government

The government has given the highest priority to the urban development and the improvement of urban transport system to help the development of socio-economic aspects.

3) Problems to be solved in the transport sector

No specific problems related to the sector itself are identified. Currently, the difficulty is in the shortage of funds and human resources with adequate knowledge to execute large scale studies such as this one.

4) Outline of the Study

The Study is to formulate Urban Development and Comprehensive Transport Master Plans for the Phnom Penh metropolitan area.

5) Purpose (short - term objective) of the Study

- To secure well-balanced urban development.
- To improve the existing road conditions.
- To provide adequate road networks.

- To improve traffic flows and safety on trunk roads.
  - To assist the Cambodian government to strengthen its organizational capacity.
- 6) Goal (long - term objective) of the Study  
 Serious traffic problems in the Phnom Penh metropolitan area will be resolved by implementing comprehensive urban transport systems in accordance with future land use conditions and population distribution. This study will not only contribute greatly to promote socio-economic activity in Phnom Penh, but will also improve public welfare, and mitigate environmental problems.
  - 7) Prospective beneficiaries  
 The beneficiaries will be all the inhabitants in the Phnom Penh metropolitan area.
  - 8) The Study's priority in the National Development Plan and Public Investment Program.  
 The Study represents one of the top national priorities.
  - (5) Desirable or scheduled time of commencement of the Study  
 Early fiscal year 1998.
  - (6) Expected funding source and / or assistance (including external origin)  
 Japan International Cooperation Agency (JICA) will grant the funds for the Study, and JICA and / or the Overseas Economic Cooperation Funds (OECF) will provide funds for implementation.
  - (7) Other relevant Study, if any  
 Not applicable

## 2. TERMS OF REFERENCE (TOR)

### 2.1 General

#### (1) Necessity and Justification of the Study

The Phnom Penh metropolitan area is the capital of the Kingdom of Cambodia and a center of socio-economics, politics and administration of the Kingdom. Phnom Penh has been rapidly expanding toward the area surrounding the urbanized area. The urbanized central part of Phnom Penh is experiencing transport problems such as traffic congestion, accidents, air pollution, deteriorated road conditions, poor transport management and lack of public transport services.

The newly developing area of Phnom Penh is also expected to face traffic problems and disorderly urbanization in the near future because of insufficient road networks and absence of integrated land use plans.

In order to cope with transport problems and to secure orderly and harmonized urbanization in the developing area, a study on an urban transport master plan and an urban development master plan, which are practically inseparable each other, is in urgent need.

Since roads in an urban area effectively function only when they are adequately inter-linked and properly managed, the urban transport master plan shall cover a new road network in the developing area and rehabilitation and traffic management for the existing roads in the urbanized area. The transport master plan shall also propose strategies and measures to enhance public transport systems such as a bus and railway.

Given the present serious consideration of road and traffic congestion in some parts of the Phnom Penh metropolitan area, the study shall include the feasibility studies for the some components of the transport master plan which have been identified as high priority projects requiring immediate implementation.

Furthermore, the study shall propose the measures to strengthen the capacity of the concerned governmental organizations in planning of urban development and transport and implementing of relevant projects.

#### (2) Necessity and Justification of the Japanese Technical Cooperation

Japan is one of the most advanced countries in the field of Urban Transport studies. Cooperation between the Japanese government and the Cambodian government will be beneficial and desirable in the development of this project.

#### (3) Objectives of the Study

The objectives of the study are as follows:

- 1) To formulate an urban development for the developing areas surrounding the urbanized area of Phnom Penh.
- 2) To formulate an urban transport master plan for both the urbanized and developing areas.
- 3) To carry out a feasibility studies for high priority projects which are proposed in the transport master plan.

- 4) To propose measures to strengthen the capacity of concerned governmental organizations.

(4) The Study Area

The Study covers the Phnom Penh Metropolitan and the adjoining Metropolitan Region.

## 2.2 Scope of the Study

### (1) Major Output of Study

1) Urban development plan

Urban development plan is formulated with the target year 2020.

- Establishment of urban transport strategies
- Zoning of the developing area by representative land uses like residential, commercial, industry, etc.
- Location of strategies public facilities

2) Transport master plan

The transport master plan shall include the following three (3) plans and identify some high priority components (priority projects) in the plans for feasibility study.

a - Road facility plans

- Rehabilitation plans for existing roads
  - . establishment of criteria to select rehabilitation roads
  - . establishment of design standards for rehabilitation plans
  - . selection of roads for rehabilitation
  - . preliminary rehabilitation plans using typical cross-sections of the roads
- New road network plan for developing area with the target year 2020

b - Traffic management plans for existing roads

- Improvement of traffic signal, traffic sign, marking, etc.
- Provision of bus lane
- Planning of traffic control systems (one-way system, on-street parking, etc.)
- Transport demand management
- Mitigation measures for the emission by vehicles

c - Public transport plans

- Proposal of institutional arrangements to enhance public transport services
- Improvement of bus transport system
- Development of rail-based transport system
- Review of inland water transport system

3) Feasibility study for priority projects

Feasibility studies shall be carried out for the priority projects to be identified in the transport master plan.

4) Strengthening of governmental organization's capacity

To propose measures to strengthening the capacity of the implementation agencies of this study on the part of the Cambodian government, in the field of transport planning, transport management, and urban development planning.

**(2) The Major Work for the study**

- 1) Work for urban development plan
  - a - Data collection and Analysis
  - b - Present land use condition survey
  - c - Future land use planning
    - Revision of land use control
    - Population and employment allocation schemes
    - Development and improvement schemes
- 2) Work for urban transport master plan
  - a - Review of the existing data, information, design standards, etc. related to the study
  - b - Data collection and its analysis
  - c - Traffic and transport surveys (including truck cargo and transport survey)
  - d - Person trip survey, traffic volume counts, etc.
  - e - Public transport survey
  - f - Bus and taxi passenger surveys, inland water transport surveys
  - g - Traffic management and road facilities surveys
  - h - Identification of transport problems
  - i - Identification of socioeconomic framework
  - j - Economic growth, population, employment, etc. collection and analysis
  - k - Travel demand analysis
  - l - In Phnom Penh, motorcycles are predominant according to the registration of vehicles. It is very important to forecast the motorcycle trip demand taking into account the trip characteristics and the structure of motorcycle ownership.
  - m - Basic transport planning concept
  - n - Formulation of transport master plan
  - o - Identification of priority projects among the master plan projects  
(They may include rehabilitation of existing roads, construction of new roads, improvement of public transport and traffic management on trunk road.)
- 3) Work for feasibility study
  - a - Execution of feasibility studies for the priority projects
  - b - Implementation plans for the selected projects in the feasibility studies
- 4) Work for strengthening of governmental organization's capacity  
Training programs for transport planning, transport management and urban development planning

**(3) Study Schedule**

Please see attached Appendix C

**(4) Reports to be submitted**

- 1) Inception report shall be submitted at the beginning of the Study.
- 2) Progress report shall be submitted in the 6<sup>th</sup> month.

- 3) Interim report shall be submitted in the 15<sup>th</sup> month.
- 4) Draft final report shall be submitted in the 22<sup>nd</sup> month.
- 5) Final report shall be submitted to the Cambodian side, within 2 months after receiving the comment of the Cambodian government on the draft final report.

**2.3 Request for the Study from other donor agencies, if any**

No request has been made to other donor agencies.

**2.4 Other relevant information, if any**

There is no particular information.



**3. Facilities and Information to be given to the Study Team, etc.**

- (1) Assignment of counterpart personnel of the implementing agency for the Study (number, academic background, etc.)  
Counterpart personnel will be assigned according to the request of the Study Team.
- (2) Available data, information, documents, maps, etc. related to the Study  
Available data, information, documents, maps, etc. and other related to the Study shall be provided upon request of the Study Team.
- (3) Information on the security conditions in the Study Areas  
There is no adverse security problems in the Study areas.

**4. Global Issues (Environment, Women in development, poverty, etc.)**

- (1) Environmental components (such as pollution control, water supply, sewage, environmental management, forestry, biodiversity) of the Project, if any.  
- Environmental matters shall be included through the Study.
- (2) Anticipated environmental impacts (both natural and social) by the Project, if any  
- Not applicable
- (3) Women as main beneficiaries or not applicable  
- Not applicable
- (4) Project components which require special consideration for women, if any (such as gender difference, women's specific role, women's participation, etc.)  
- Not applicable
- (5) Anticipated Impacts on women by implementation of the Project, if any  
- Not applicable
- (6) Poverty reduction components of the Project, if any  
The Project proposed in the Master Plan will stimulate Phnom Penh economic activity and also improve public welfare of all inhabitants of the city. This will lead to some reduction in the poverty of the populace.
- (7) Any constraints against the low income people by the Project, if any  
- Not applicable

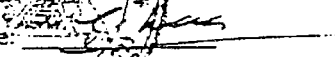
**5. Undertakings of the Government of the Kingdom of Cambodia**

In order to facilitate a smooth and efficient conduct of the Study, the Government of the Kingdom of Cambodia shall take certain measures:

- (1) To secure the safety of the Study Team.
- (2) To permit the members of the Study Team to enter, leave and sojourn in the Kingdom of Cambodia in connection with their assignments therein, and exempt them from alien registration requirement and consular fees.

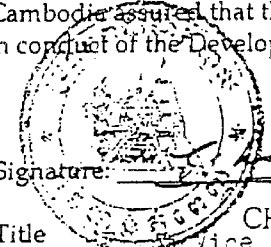
- (3) to exempt the Study Team from taxes, duties and any other charges on equipment, machinery and other materials brought into and out of the Kingdom of Cambodia for the conduct of the Study.
- (4) to exempt the Study Team from income tax and charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Study Team for their services in connection with the implementation of the Study.
- (5) to provide necessary facilities to the Study Team for remittance as well as utilization of the funds introduced in the Kingdom of Cambodia from Japan in connection with the implementation of the Study.
- (6) to secure permission for entry into private properties or restrict areas for the conduct of the Study.
- (7) to secure permission for the Study Team to bring in or take all data, documents and necessary materials related to the Study out of the Kingdom of Cambodia to Japan.
- (8) to provide medical services as needed. Its expenses will be chargeable to members of the Study Team.
6. The government of the Kingdom of Cambodia shall bear claims, if any arises against member(s) of the Japanese Study Team resulting from occurring in the course of or otherwise connected with the discharge of their duties in the implementation of the Study.
7. The Municipality of Phnom Penh shall act as counterpart agency to the Study Team and also as coordinating body in relation with other governmental and non-governmental organization concerned for the smooth implementation of the Study.

The Government of the Kingdom of Cambodia assured that the matters refereed in this form will be ensured for a smooth conduct of the Development Study by the Study Team. *W V*

Signature: 

Title

CHEA - SOPHARA

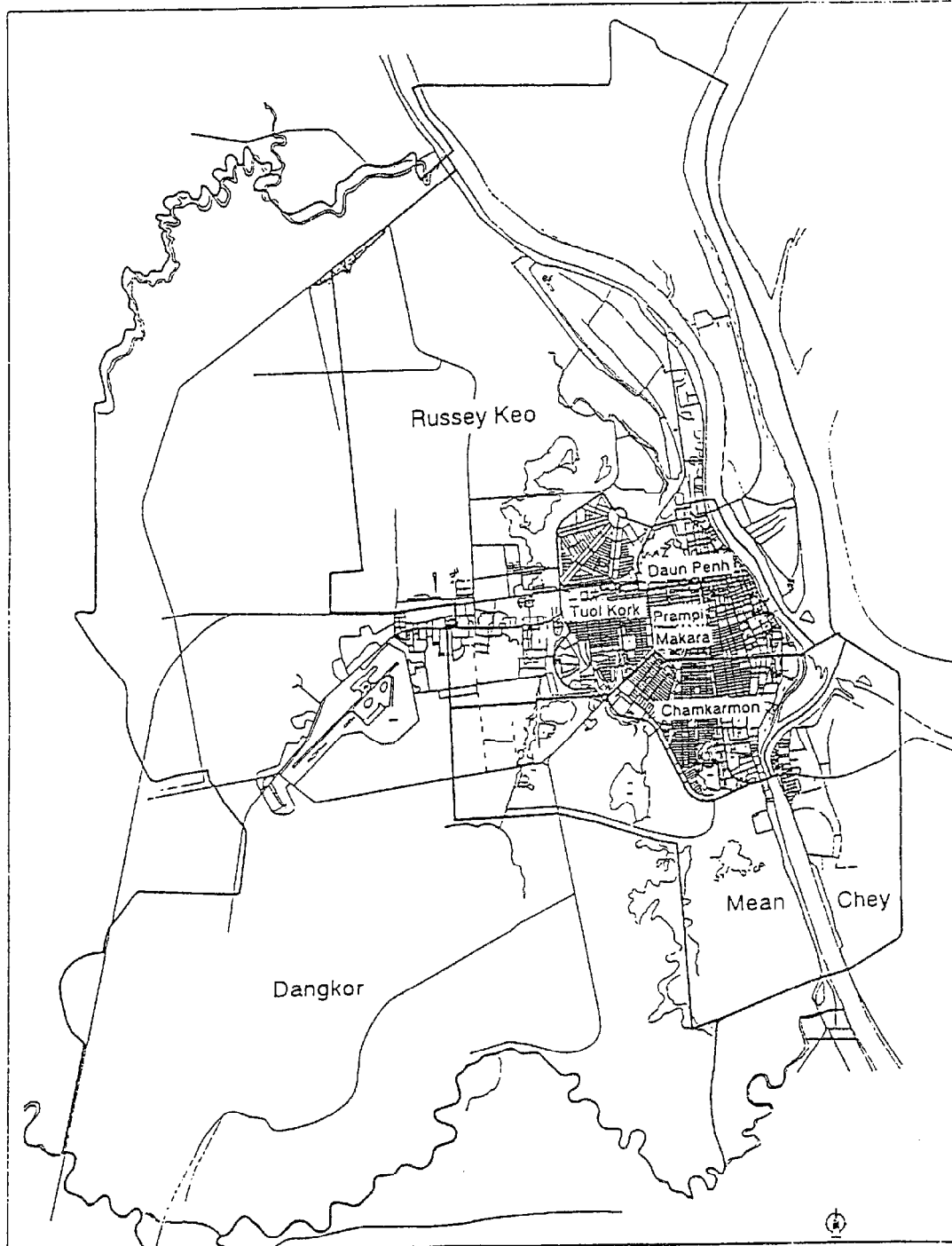
 Vice Governor  
Phnom Penh Municipality

On behalf of Government of the Kingdom of Cambodia *X*

Date: MAY 09, 1997

APPENDIX A

LOCATION MAP

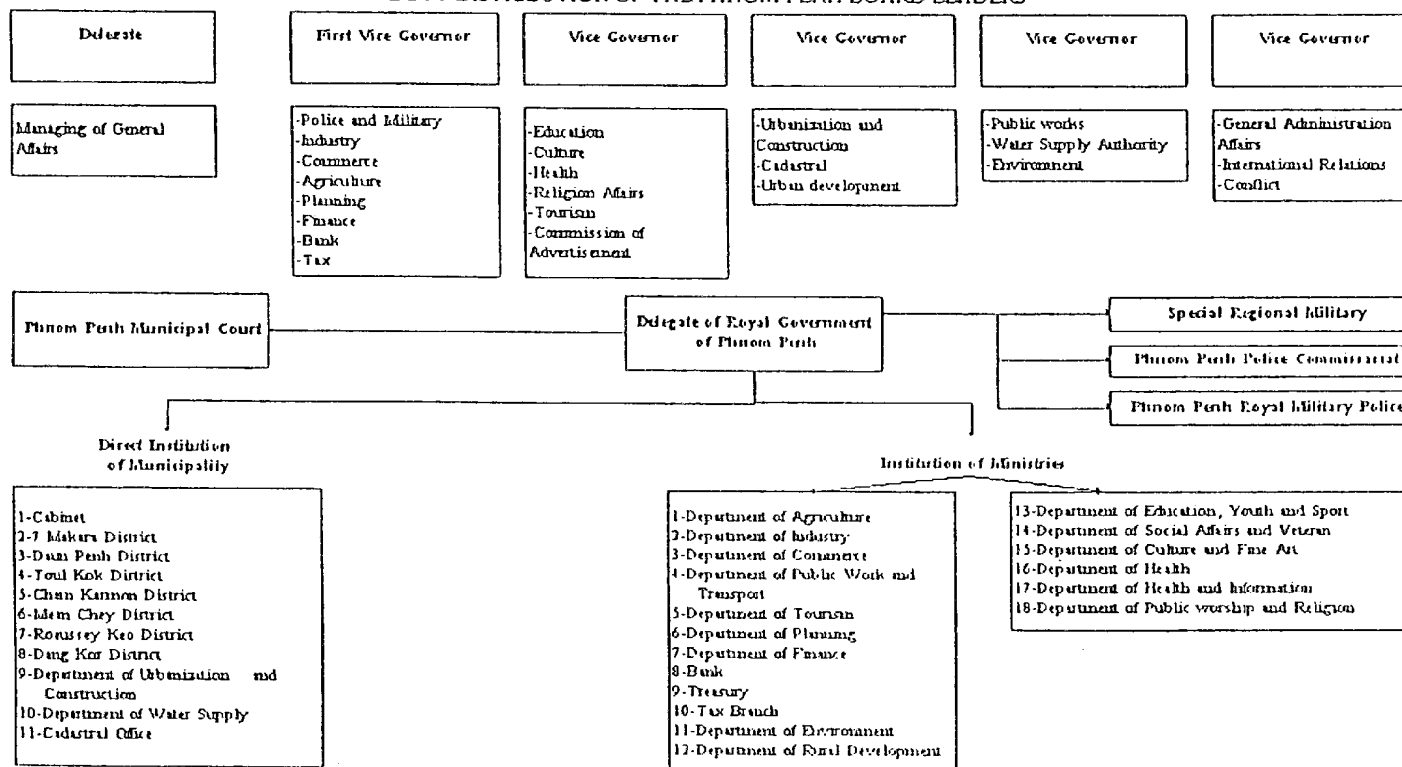


APPENDIX B

ORGANIZATION CHART (THE MUNICIPALITY OF PHNOM PENH)

ORGANIZATION CHART OF PHNOM PENH MUNICIPALITY

DUTY DISTRIBUTION OF THE PHNOM PENH BOARD LEADERS



## APPENDIX C

## TENTATIVE STUDY SCHEDULE

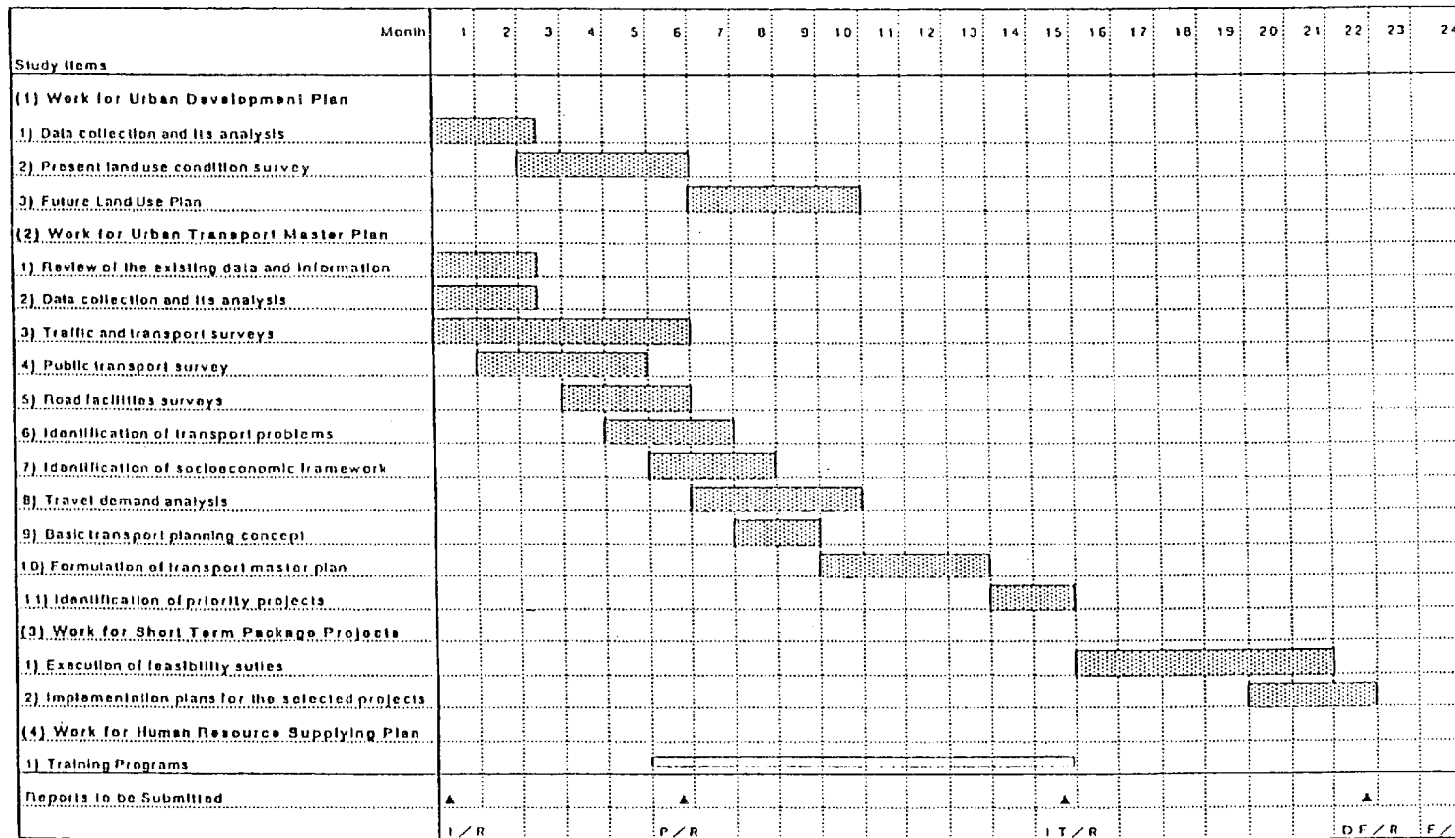
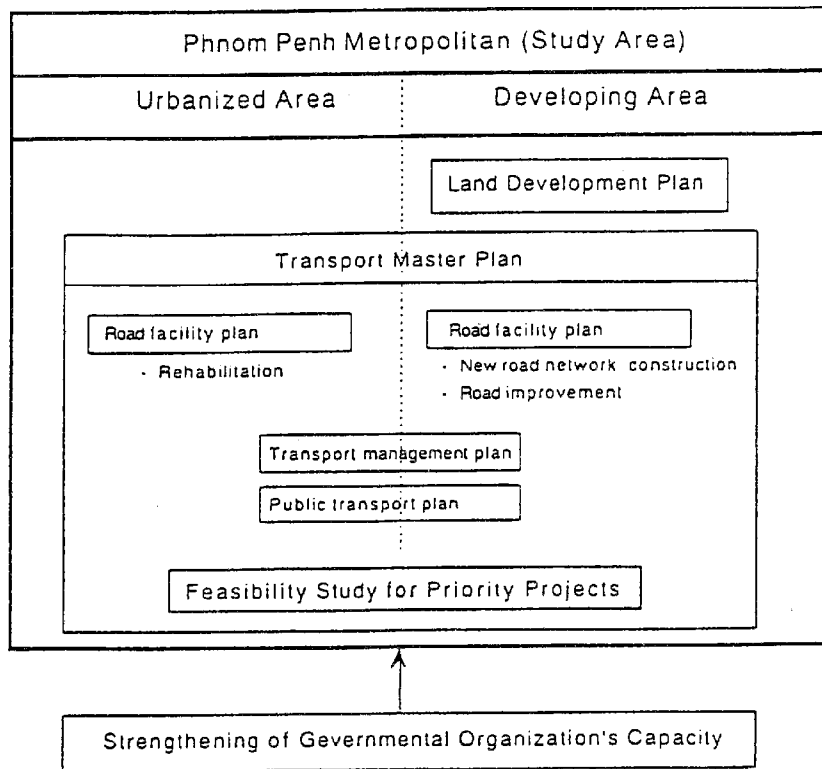


Illustration of the Study  
on  
Urban Development and Transport Master Plan





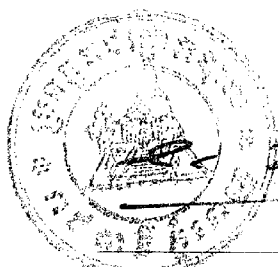
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KINGDOM OF CAMBODIA  
NATION RELIGION KING

Scope of Work  
for  
the Study  
on  
the Transport Master Plan  
of  
the Phnom Penh Metropolitan Area  
in  
the Kingdom of Cambodia

Agreed Upon Between  
Municipality of Phnom Penh  
and  
Japan International Cooperation Agency

Phnom Penh, January 18, 2000



H.E. Chea Sophara  
Governor Municipality of  
Phnom Penh

A handwritten signature in black ink, likely belonging to Dr. YAI Tetsuo.

Dr. YAI Tetsuo  
Leader,  
Preparatory Study Team,  
Japan International Cooperation Agency

## I. INTRODUCTION

In response to the request of the Government of the Kingdom of Cambodia, the Government of Japan has decided to conduct the Study on the Transport Master Plan of the Phnom Penh Metropolitan Area in the Kingdom of Cambodia (hereinafter referred to as "the Study"), in accordance with the relevant laws and regulations in force in Japan.

Accordingly, Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of technical cooperation programs of the Government of Japan, will undertake the Study in close cooperation with the authorities concerned of the Government of Cambodia.

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

## II. OBJECTIVES OF THE STUDY

The objectives of the Study are:

1. To formulate an Urban Transport Master Plan for the Municipality of Phnom Penh to the year 2015 in order to solve various transport problems and to support sustainable urban development,
2. To conduct Feasibility Studies for priority projects identified under the Master Plan, and
3. To carry out technology transfer to the Cambodian counterpart personnel through the implementation of the Study.

## III. STUDY AREA

The Study shall cover the Municipality of Phnom Penh and adjoining area surrounded by the proposed outer ring road (Appendix).

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#### IV. SCOPE OF THE STUDY

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

1. Review and analysis of the present situation

- 1-1 Review of existing plans for urban development and transport improvement, including the Study on Drainage Improvement and Flood Control in the Municipality of Phnom Penh in the Kingdom of Cambodia conducted by JICA
- 1-2 Review of socio-economic conditions, demographic features, economic activities, land use patterns, topography, geography and soil conditions
- 1-3 Review of existing traffic conditions including passenger and freight volume, transport facilities, public transport systems, traffic management and vehicles registration
- 1-4 Conduct of traffic survey and public transport survey
- 1-5 Assessment of organizational structure and functions, administrative capabilities, budgetary systems, and laws and regulations
- 1-6 Review of environmental management, legal framework and institutional responsibilities; and assessment of current environmental conditions
- 1-7 Identification of problems and potential for the urban transport improvement

2. Formulation of the Master Plan

- 2-1 Establishment of a future socio-economic framework to 2015
- 2-2 Preparation of alternative scenarios including direction of urban expansion and land use patterns
- 2-3 Projection of future traffic demand and traffic flows
- 2-4 Formulation of the Master Plan
  - (1) key strategies and concepts
  - (2) a road network plan, traffic management plan and public transport plan
  - (3) initial environmental examination (IEE)
  - (4) a staged implementation plan
  - (5) preliminary cost estimates
  - (6) plans for operation and maintenance
  - (7) institutional strengthening plans
- 2-5 Identification of priority projects for the feasibility study

3. Feasibility Study on the priority projects

3-1 Conduct of supplementary surveys for traffic volume and natural conditions

3-2 Preparation of construction plans and assess feasibility of the priority projects

(1) preliminary design

(2) environmental impact assessment (EIA)

(3) cost estimates

(4) economic and financial analysis

(5) implementation schedule

3-3 Preparation of recommendations for implementation arrangements including organizational set-up, human resource development and preliminary funding plan

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## V. SCHEDULE OF THE STUDY

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

## VI. REPORTS

JICA will prepare and submit the following reports in English to the Government of Cambodia.

1. Inception Report

Thirty (30) copies within 1 month after the commencement of the Study

2. Progress Report

Thirty (30) copies within 8 months after the commencement of the Study

3. Interim Report

Thirty (30) copies within 13 months after the commencement of the Study

4. Draft Final Report

Thirty (30) copies within 17 months after the commencement of the Study

The Government of Cambodia will present its comments to JICA within 1 month after the receipt of the Draft Final Report.

5. Final Report

Fifty (50) copies together with CD-ROM, within 2 months after JICA receives the comments on the Draft Final Report from the Government of Cambodia

## VII. UNDERTAKING OF THE GOVERNMENT OF CAMBODIA

1. To facilitate the smooth conduct of the Study, the Government of Cambodia shall take necessary measures.
  - (1) To secure the safety of the Japanese study team;
  - (2) To permit the members of the Japanese study team to enter, leave and sojourn in Cambodia for the duration of their assignment therein, and exempt them from foreign registration requirements and consular fees;
  - (3) To exempt the members of the Japanese study team from taxes, duties, and other charges on equipment, machinery and other materials brought into Cambodia for the conduct of the Study;
  - (4) To exempt the members of the Japanese study team from income tax and charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Japanese study team for their services in connection with the implementation of the Study;
  - (5) To provide necessary facilities to the Japanese study team for remittances as well as utilization of the fund introduced into Cambodia from Japan in connection with the implementation of the Study;
  - (6) To secure permission for entry into private properties or restricted areas for the conduct of the Study;
  - (7) To secure permission for the Japanese study team to take all data and documents (including photographs and maps) related to the Study out of Cambodia to; and
  - (8) To provide medical services as needed. Its expenses will be chargeable to members of the Japanese study team.
2. The Government of Cambodia shall bear claims, if any arise against members of the Japanese study team resulting from, occurring in the course of, or otherwise connected with the discharge of their duties in the implementation of the Study, except when such claims arise from gross negligence or willful misconduct on the part of the members of the Japanese study team.
3. The Municipality of Phnom Penh shall act as a counterpart agency to the Japanese study team and also as a coordinating body in relation with other governmental and non-governmental organizations concerned for the smooth implementation of the Study.
4. The Municipality of Phnom Penh shall, at its own expense, provide the Japanese study



team with the following, in cooperation with other organizations concerned;

- (1) Available data and information related to the Study,
- (2) Counterpart personnel,
- (3) Suitable office space with necessary equipment in Phnom Penh,
- (4) Credentials or identification cards, and
- (5) An appropriate number of vehicles with drivers.

#### VIII. UNDERTAKING OF JICA

For the implementation of the Study, JICA shall take the following measures:

- (1) To dispatch, at its own expense, the study team to Cambodia; and
- (2) To pursue technology transfer to the Cambodian counterpart personnel in the course of the Study.

#### IX. OTHER

JICA and the Municipality of Phnom Penh shall consult with each other in respect of any matter that may arise from or in connection with the Study.

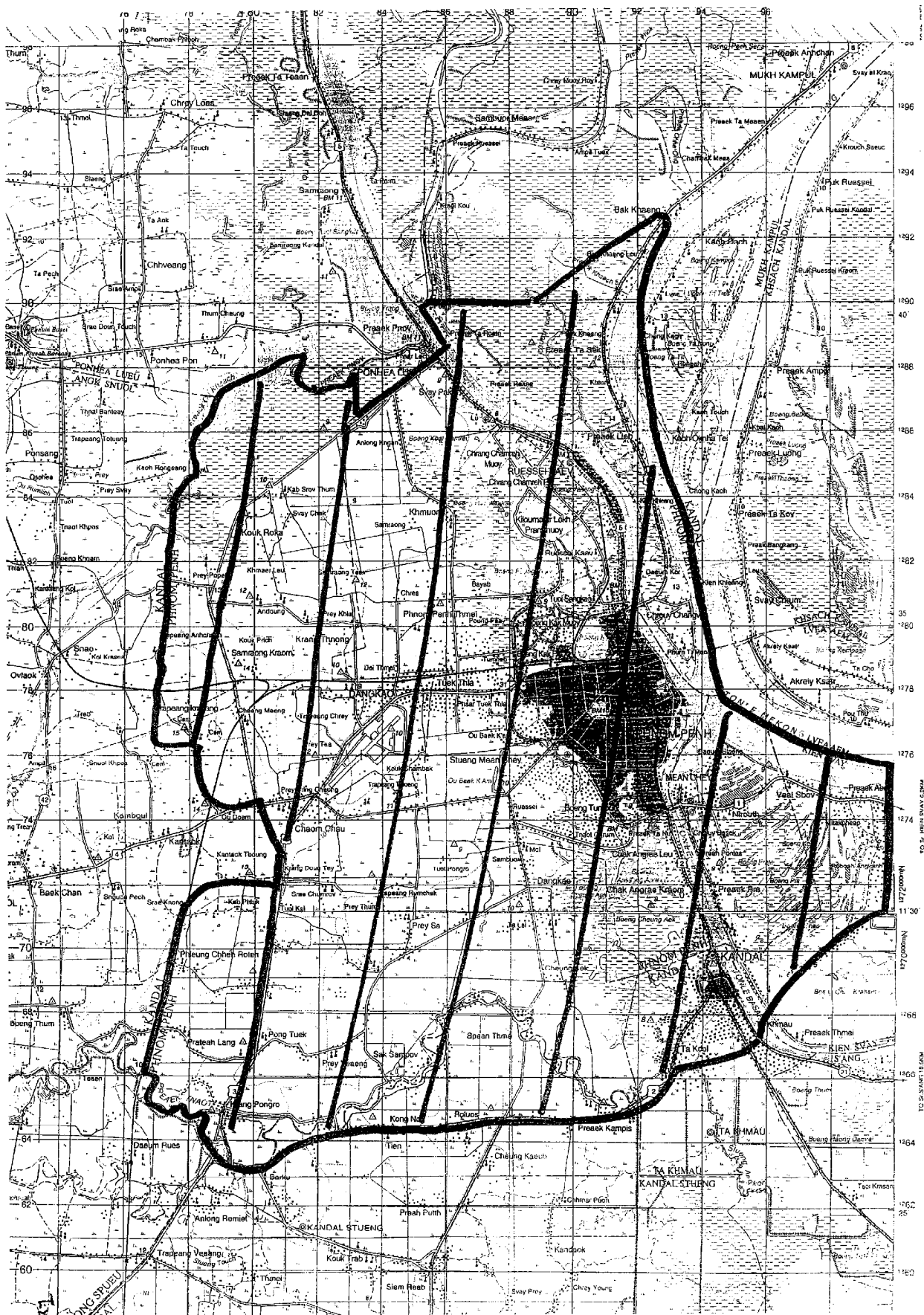
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STUDY SCHEDULE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Work in Cambodia																				
Work in Japan																				
Report	IC/R							P/R						IT/R				DF/R		F/R

IC/R      Inception Report  
P/R        Progress Report  
IT/R       Interim Report  
DF/R       Draft Final Report  
F/R        Final Report

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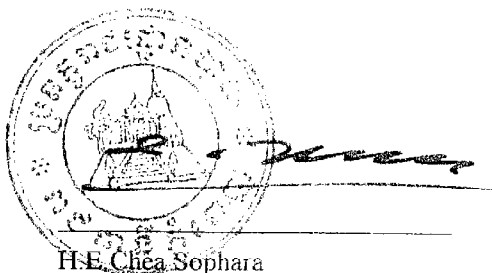
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CITY HALL

KINGDOM OF CAMBODIA  
NATION RELIGION KING

Minutes of Meeting  
on  
the Scope of Work  
for  
the Study  
on  
the Transport Master Plan  
of  
the Phnom Penh Metropolitan Area  
in  
the Kingdom of Cambodia

Agreed Upon Between  
Municipality of Phnom Penh  
and  
Japan International Cooperation Agency

Phnom Penh, January 18, 2000



H.E. Chhea Sophara  
Governor Municipality of  
Phnom Penh

Dr. YAI Tetsuo  
Leader,  
Preparatory Study Team,  
Japan International Cooperation Agency



In response to the request of the Government of the Kingdom of Cambodia, the Preparatory Study Team (hereinafter referred to as "the Team") of Japan International Cooperation Agency (hereinafter referred to as "JICA") visited Cambodia from January 10, 2000 to January 26, 2000 to discuss the Scope of Work (hereinafter referred to as "S/W") for the Study on the Transport Master Plan of the Phnom Penh Metropolitan Area in the Kingdom of Cambodia (hereinafter referred to as "the Study").

The Team carried out field surveys of the study area and held a series of discussions with the authorities concerned of the Municipality of Phnom Penh (hereinafter referred to as "MPP") and other organizations.

The list of attendants is shown in the Attached-1.

This Minutes of Meeting have been prepared for a better understanding of S/W agreed upon between the Municipality of Phnom Penh and the Team on January 18, 2000.

The main items discussed regarding the S/W are as follows:

### **I. Title of the Study**

Both sides agreed that the title of the Study is "the Study on the Transport Master Plan of the Phnom Penh Metropolitan Area in the Kingdom of Cambodia."

### **II. Target Year**

Both sides agreed that the target year of Master Plan would be 2015.

### **III. Urban Development**

- (1) Both sides agreed that land use patterns prepared by "the Study on Drainage Improvement and Flood Control in the Municipality of Phnom Penh in the Kingdom of Cambodia" conducted by JICA (hereinafter referred to as "the Drainage Improvement Study") will be reviewed. The Study would prepare land use patterns of the study area especially excluded area in the Drainage Improvement Study, by taking account of existing plans such as satellite city plans.

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*[Signature]*

- (2) Both sides agreed for 2.2 (1) 1) of Terms of Reference submitted by the Government of Cambodia in May 1997, that the first and the third items for "urban development planing" would be considered in the Study and the second item would be considered as above mentioned.

#### **IV. Traffic Management Plan**

Both sides agreed that traffic management plan would be given one of the priority components in the Study.

#### **V. Intercity Terminals (i.e. Waterway, Railway, Airport)**

Both sides agreed that the Study would consider access to and from waterway terminals, railway stations, airport and so on; although each plan of intercity modes would not be included.

#### **VI. Steering Committee**

Both sides agreed that MPP would establish a Steering Committee consisting of following organizations chaired by MPP.

1. Department of Public Works and Transportation, MPP
2. Department of Land Management Urbanization Construction, MPP
3. Bureau of Urban Affairs (BAU), MPP
4. MPP Police Traffic Office
5. Office of Council Ministers
6. Traffic Police, Ministry of Interior
7. Ministry of Public Works and Transportation
8. Ministry of Land Management, Urban Planning and Construction
9. Ministry of Economy and Finance
10. Ministry of Planning
11. Ministry of Environment
12. Ministry of Water Resource and Meteorology
13. Other organizations

MPP will submit the member of the Steering Committee to JICA Cambodia Office prior to the commencement of the Study.

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## **VII. Cooperation from and Enlightenment to the Public**

From the purpose of gaining the understanding of the Master Plan and cooperation to the recommended measure(s), both sides agreed that in the course of the Study public relation and involvement would be considered.

## **VIII. Undertaking by the Government of Cambodia**

- (1) Both sides agreed for VII.1 (3) of S/W that MPP would take necessary measures to exempt the members of the Japanese study team from or their behalf of taxes, duties, and other charges on equipment, machinery and other materials. Cambodian side requested that the list of them would be submitted to MPP prior to enter in Cambodia.
- (2) Both sides agreed for VII.4 (3) of S/W that office space, telephone lines, tables and chairs for the Study would be provided in DPWT, MPP. Cambodian side requested copy machine(s) and facsimile machine(s) would be provided by JICA. Japanese side responded to convey the request to JICA headquarters in Tokyo.

## **IX. Technology Transfer**

Cambodian side requested that to skill up for traffic management, technology transfer to the traffic policepersons and DPWT staff would be done by Japanese expert dispatch scheme or group training scheme in Japan.

Japanese side responded at least one of the Japanese study team members would be an expert of traffic management and he would transfer skill and know-how to them in the course of the Study.

Japanese side also responded to convey the request of the group training to JICA headquarters in Tokyo.

15.

## Attendant List of the Meeting

Attached-1

### Cambodian Members List

H.E. Chea Sophara	Governor Municipality of Phnom Penh
H.E. Chev. Kim Heng	Vice Governor Municipality of Phnom Penh
H.E. Trac Thai Seang	Vice Governor Municipality of Phnom Penh
Mr. Sok Leakhena	Deputy Chief of Cabinet, MPP
Mr. Ean Narin	Deputy Director DPWT, MPP
Mr. Mocung Sophan	Deputy Manager of DPWT, MPP
Mr. Nak Tanavulh	Director of International Relation, MPP
Mr. Chhay Rithisen	Director of Bureau of Urban Affairs
Mr. Sor Phara	Chief of Cartography's Group of B.A.U, MPP
Mr. Hok Kim Eang	Chief of Infrastructure Group of B.A.U, MPP
Mr. Ly Chin Tong	A.T. of B.A.U, MPP
Ms. Kim Vathanak Thida	Deputy Chief of Cabinet, MPP
Mr. Kang Sovann	MPP Police Traffic Office
Mr. Ek. Rindy	MPP Police Traffic Office
Mr. So Vanna	Deputy Director of Technical Depart of the General Depart of Cadastre & Geography
Mr. Pena Sakadevrn	Chief Office Dept, Land Management Urbanization & Construction, MPP
Mr. Yos Chhom Narady	Vice Director Department. Land Management Urbanization Construction, MPP
Mr. Im Sour	CDC/CRDB
H.E. Bun Sam	Ministry of Finance and Economics
Mr. Nhem Saran	Director of DPWT, MPP
Mr. Mom Sandap	Director of Planning Dept
Mr. Sar Nal	General Affairs
Mr. Oum Boreth	Deputy Dept Urbanization
Mr. Soups Sopbal	Director Dept

### Japanese Members List

Dr. YAI Tetsuo	Team Leader of the Team
Mr. KOIZUMI Yukihiro	Member of the Team, Study Planning
Mr. KONO Toshiro	Member of the Team, Urban Transport Planner
Mr. HIMUKAI Hiroki Public	Member of the Team, Transport Planner
Ph.D. KURANAMI Chiaki	Member of the Team, Transport Surveyor
Mr. TAKAGAKI Yasuo	JICA Expert, Ministry of Public Works and Transportation
Dr. NAKAMURA Ippei	JICA Expert, Ministry of Public Works and Transportation
Mr. MATSUDA Norio	Resident Representative, JICA Cambodia Office
Mr. TERAMOTO Masaaki	Assistant Resident Representative, JICA Cambodia Office
Mr. MASUDA Shinichi	Assistant Resident Representative, JICA Cambodia Office