



## *Kitakyushu Initiative for a Clean Environment*

Study tour in Nonthaburi:  
Community activities to decrease waste generation in households and  
promote separation at source

# Study Tour Information Package

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12-16 December 2005  
Nonthaburi, Thailand

## Organized by

Institute for Global Environmental Strategies Kitakyushu Office  
(Secretariat for the Kitakyushu Initiative Network)

In cooperation with the United Nations Economic and Social Commission for Asia and the Pacific

## Sponsored by

Ministry of the Environment, Government of Japan

## Host City

Nonthaburi, Thailand

*Kitakyushu Initiative for a Clean Environment*

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**Background**

The Kitakyushu Initiative for a Clean Environment was adopted by the 4<sup>th</sup> Ministerial Conference on Environment and Development in Asia and the Pacific, held in Kitakyushu, Japan in September 2000, as an imperative mechanism to achieve tangible improvement in environmental quality and human health in urban areas in Asia and the Pacific. Since then, a range of activities has been developed under the auspice of the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), with participation of a number of local, national and international partners. Amongst others, the Institute for Global Environmental Strategies (IGES), Japan, has played a key role as its Kitakyushu Office has provided a secretariat function to the Kitakyushu Initiative Network of local governments. In this course, the Initiative has been recognised as a Type I Initiative in the Johannesburg Plan of Implementation (JPOI) adopted at the World Summit on Sustainable Development (WSSD) in September 2002, and, based on the comprehensive review of its achievement in first five years, has also been endorsed by the 5<sup>th</sup> Ministerial Conference on Environment and Development in Asia and the Pacific, held in Seoul, Republic of Korea in March 2005, for continuation for the next five years.

Following the new focus on the Green Growth approach highlighted by MCED5 as an innovative and powerful strategy for reconciling the two potentially incompatible Millennium Development Goals: economic growth to alleviate poverty, and environmental sustainability, the second cycle of the Kitakyushu Initiative for a Clean Environment (2006-2010) will also strengthen its emphasis on integrated win-win approaches to urban environmental management and promotion of socio-economic livelihood at the local level.

As part of the basic activities being carried out this fiscal year, a study tour programme has been developed to share the experiences and outcomes of select pilot projects conducted in the first cycle of the programme (2000-2005), with an outlook to the visible transfer of successful elements from one city to another.

The study tour programme was formulated to provide Network cities with an opportunity to observe successful activities first-hand, not only on paper, but in the environment in which the activities were carried out. The objective of this programme is to provide visiting cities with the benefit of observing how partner cities have addressed similar issues—from conception to implementation to expansion—and discuss these issues directly with representatives of the host city, including residents and those who were involved in or affected by the implementation of the activities. Host cities have been selected based on the achievement level of their activities in conducting pilot projects during the first cycle, as well as their potential to act as “informal” advisors to the cities that participate in the programme.

As such, participating cities have been selected based on their potential to conduct follow-up activities after the conclusion of the programme.

**Outline: Study tour in Nonthaburi, Thailand (December 2005)**

The first study tour will be conducted in the city of Nonthaburi, Thailand, under contract with the Ministry of the Environment of Japan. This city has seen visible improvement in the environment and behaviour of its residents, as a result of the implementation of a pilot project on minimizing waste generation and increasing recycling rates conducted from November 2001 to December 2002.

During this time period, Nonthaburi Municipality conducted a pilot project in two communities to increase recycling by 20% and decrease waste generation by 30%. To carry out this objective, the Municipality conducted community meetings; collected data before, during and after implementation of the project; created modelling; carried out public relation activities; developed a waste collection schedule and weighed the waste generated; conducted monitoring activities and adjusted objectives and activities as a result; and evaluated the implementation of the project in two six-month phases.

Overall the project saw a total decrease of waste for the two communities on an average of 128 kg/day and an increase of recycling materials from the two villages averaged 20.35%. This project

was conducted to decrease the amount of waste sent to the landfill; this project saw the weight of the solid waste materials sent to the landfill decrease from 1,250 kg/day to 875 kg/day. As follow-up to the outcomes of the pilot project, Nonthaburi Municipality has also conducted national workshop on “zero waste” under its own initiative to share their experiences with other cities in Thailand.

The study tour is intended to provide participating local governments with information on the inception of the pilot project, how it was implemented and how it has been expanded and followed-up by the municipality.

Participating cities will also have an opportunity to participate in a joint World Bank-City of Kitakyushu distance learning seminar on household composting in Surabaya held at Chulalongkorn University during the study tour period. This seminar is the second of two distance learning sessions held in 2005 by The World Bank and the City of Kitakyushu on solid waste management to share information on certain practices, linking Thailand, Indonesia, and Japan.

### **Study Tour Objectives**

- (1) To establish pilot project cities as potential partners for cities facing similar problems.
- (2) To share information and on-ground knowledge on the implementation of activities to improve the urban environment
- (3) To discuss the formulation, implementation, evaluation and expansion of activities, and the relationship with the city’s overall urban management objectives
- (4) To determine which aspects of the pilot project, if any, has potential for transfer

### **Expected Outcomes**

- (1) Establishment of an informal partnership between pilot project city and participating cities
- (2) Follow-up actions by participating cities upon return to home country, i.e. through the implementation of some aspect of study tour, to determine transfer potential (potential to lead to consideration as a demonstration project on a pilot scale)
- (3) Increased capacity of participating cities with regard to project cycles and how to implement small-scale activities with potential for expanded replication within the city

**Date & Venue:** 12-16 December 2004: Field sites around Nonthaburi, Thailand

**Topic:** Community activities to decrease waste generation in households and promote separation at source

**Participants** Bangkok (Thailand) Colombo (Sri Lanka), Bago (Philippines), Ho Chi Minh (Vietnam), Sibul (Malaysia), Kathmandu (Nepal), Nonthaburi (Thailand)

**Organisers:** Institute for Global Environmental Strategies (IGES) Kitakyushu Office (Secretariat for the Kitakyushu Initiative Network), in cooperation with the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)

**Sponsor:** Ministry of the Environment, Government of Japan

**Language:** English & Thai

**Contact:** IGES Kitakyushu Office, 6F, Kitakyushu International Conference Centre  
3-9-30, Asano, Kokurakita-ku, Kitakyushu 802-0001 Japan  
Tel: +81-93-513-3711, Fax: +81-93-513-3712, Email: cpearson@iges.or.jp

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**PROGRAMME (Tentative)**

| <b>Date</b>   | <b>Activities</b>   | <b>Notes</b>   |
|---|---|--|
| 12 Dec<br>(Mon)   | AM/PM: Arrival at Bangkok Airport==>Nonthaburi  | Participants will move from airport to Nonthaburi by TAXI.   |
|   | 20:00 Briefing on programme events  | Briefing conducted by IGES in Richmond Hotel lobby with attendees.   |
| 13 Dec<br>(Tue)   | 08:30-09:00 Depart from lobby to Nonthaburi city hall   | Pick up by shuttle bus   |
|   | 09:00-12:00 Morning session (informal)  |  |
|   | 09:00-09:15 Opening greetings from Nonthaburi   |  |
|   | 09:15-09:30 Opening greetings from IGES   |  |
|   | 09:30-10:00 Overall concept of pilot project  |  |
|   | 10:00-12:00 Detailed information on inception, implementation, evaluation and follow-up activities, including how the public was involved in the process, other points (Nonthaburi)<br>(Break 1x between 10:00 and 12:00) |  |
|   | 12:00-13:30 Lunch hosted by Nonthaburi municipality   |  |
|   | 13:30-14:00 Move to field site (Soi Sahakorn)   | By shuttle bus   |
|   | 14:00-17:00 Field visit at Soi Sahakorn<br>Introduction of pilot project location and discussions with community leaders, residents, if possible  |  |
| 17:00-17:30 Return to hotel   |   |  |
| 18:30-20:00 Dinner  |   |  |
| 14 Dec<br>(Wed)   | 09:00 Depart from hotel for Chulalongkorn University (pick up by shuttle bus)   | <ul style="list-style-type: none"> <li>Depending on morning traffic to Bangkok, departure time may change. We should be at Chulalongkorn University by 10:30.</li> <li>Informal discussions with city staff in bus, if possible</li> </ul> |
|   | 10:30 Arrive Chulalongkorn University   |  |
|   | 11:00-16:00 Distance Learning Seminar on Household Composting (Organized by The World Bank and City of Kitakyushu)<br>Center of Academic Resources, VC Room (3F)  | <ul style="list-style-type: none"> <li>Seminar will be in Japanese and Thai. Simple interpretation (Thai=&gt;English) will be provided.</li> <li>See attached document for details on this seminar.</li> </ul>                             |
|   | 16:00-15:30 Bangkok ==>Nonthaburi   | By shuttle bus   |
|   | 18:30-20:30 Dinner  |  |
| 15 Dec<br>(Thu)   | 08:30-09:00 Depart from lobby   | Pick up by shuttle bus   |
|   | 09:00-12:00 Morning session with city officials   |  |
|   | 09:00-09:15 Recap of activities on 13 and 14 Dec  |  |
|   | 09:15-10:00 Presentations / introductions by Nonthaburi on pilot project, if not covered on 13 Dec.   |  |
|   | 10:00-12:00 Session on formulation of follow-up activities by participating cities  |  |
|   | 10:10-11:00 Short presentations by cities on issues and current activities in their cities  |  |
|   | 11:00-12:00 Discussions regarding how Nonthaburi's activities can be referenced by attending local governments  |  |
|   | 12:00-13:30 Lunch   |  |
|   | 13:30-14:00 Move to field site (Soi Tansamrit 25/2)   |  |
| 14:00-17:00 Field visit at Soi Tanamrit 25/2<br>Introduction of pilot project location and discussions with community leaders, residents, if possible |   |  |
| 17:00-17:30 Return to hotel   |   |  |
| 18:30-20:00 Dinner  |   |  |
| 16 Dec<br>(Fri)   | AM Departure  | Participants will move from Nonthaburi to airport by TAXI.   |

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**Provisional List of Participants****Malaysia (Sibu)**

Mr. Wong Fu Toh, Municipal Secretary, Sibu Municipal Council, PO Box 557, 96007, Sibu, Sarawak, Malaysia [Tel: +60-84-332-423, Fax: +60-84-320-240, Email: wongft@smc.gov.my]

**Nepal (Kathmandu)**

Mr. Rabin Man Shrestha, Chief, Urban Environment Section, Kathmandu Metropolitan City Office, PO Box 8416, Bagdarbar, Kathmandu, Nepal [Tel: +977-1-424-2148 / 422-7240, Fax: 977-1-426-8509, Email: rms916@hotmail.com, rabin@kathmandu.gov.np, kmced@mail.com.jp]

**Philippines (Bago)**

Mr. Vicente D. Mesias, Supervising Environment Management Specialist, CSWMB Executive Officer, Office of the City Mayor, City Government of Bago, Bago City Hall, A. Gonzaga Street, Bago City, Philippines [Tel: 63-34-732-8036, Fax: 63-34-461-0199, Email: jvicmesias@yahoo.com]

**Sri Lanka (Colombo)**

Eng. P.A. Chandrapala, District Engineer (Solid Waste Management) District 01, Colombo Municipal Council, No. 63, Mahakumarage Mawatha, Colombo-14, Sri Lanka (Tel: 94-11-239-9586, Fax: 94-11-269-2696, Email: denorth@sltnet.lk)

**Thailand (Bangkok)**

Ms Suthisa Pornpermpoon, Chief of Research Sub-division, Department of Environment, Bangkok Metropolitan Administration, Bangkok City Hall II, Mitmatri Road, Dindaeng District, Bangkok 10320, Thailand [Tel: 66-2-246-0687, Fax: 66-2-245-3377, Email: Sutisa\_pui@yahoo.com]

**Thailand (Nonthaburi)**

Ms. Pornsri Kichtham, Director, Environment Department, Nonthaburi Municipality, Rattanathibeth Road, Bang Kra Sor, Muang District, Nonthaburi Province 11000 Thailand [Tel/Fax: 66-2-591-5180, Email: pornsri2000@yahoo.com]

**Vietnam (Ho Chi Minh)**

Ms. Le Nguyen Thien Huong, Specialist, Environmental Management Division, Department of Natural Resources and Environment, Ho Chi Minh City, 63 Ly Tu Trong Str. District 1, Ho Chi Minh City, Vietnam [Tel: 84-8-822-1865/61/67/69, Fax: 84-8-822-1870]

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**Information Note for Participants**General

1. The "Study Tour in Nonthaburi: Community Activities to Decrease Waste Generation in Households and Promote Separation at Source" is scheduled to be held in Nonthaburi, Thailand from 12-16 December 2005.
2. The Study Tour will be conducted in two segments: Field visits in Nonthaburi on 13 and 15 December and participation in a distance learning seminar on 14 December.
3. The Study Tour is organised by the IGES Kitakyushu Office, which is the Secretariat for the Kitakyushu Initiative Network, with financial assistance from the Ministry of the Environment, Government of Japan, and in cooperation with the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP). The distance learning seminar is organized by the World Bank and the City of Kitakyushu.

Immigration requirements

4. Participants from countries whose citizens require visas for Thailand should obtain appropriate entry visas to Thailand from a Thai diplomatic or consular mission at their point of origin or en route to Thailand. It is recommended for participants to consult with a Thai diplomatic or consular mission to confirm proper visa procedures. If visa facilitation is required, please contact the Organiser as soon as possible.

Foreign exchange

5. Participants may be required to declare the amount of traveller's checks or currency in their possession on arrival at airports in Thailand. Exchange facilities are available at international airports, hotels, foreign exchange banks and other authorized money exchanges upon presentation of your passport.

Address and telephone numbers of relevant organisations

6. The contact information for the Organizer is as follows:  
 Ms. Christine Pearson  
 Project Officer, Kitakyushu Office  
 Institute for Global Environmental Strategies (IGES)  
 3-9-30 Asano, Kokurakita-ku, Kitakyushu, Fukuoka 802-0001 Japan  
 Tel: +81-93-513-3711, Fax: +81-93-513-3712  
 E-mail: cpearson@iges.or.jp

Hotel

7. Accommodation will be reserved at the Richmond Hotel in Nonthaburi. Accommodation costs will be paid directly to the hotel by the Organisers. However, participants are responsible for all personal costs (laundry, telephone calls, business centre, room service, etc.). Breakfast is included in the cost of accommodation. Charges for meals other than breakfast will be extra and are subject to a service charge and tax. Any change in arrival plans should be communicated immediately.
8. To facilitate hotel reservation, participants are requested to inform the following details to the organisers at an early date by facsimile (+81-93-513-3712), indicating:
  - (a) Date and time of arrival;
  - (b) Flight number;
  - (c) Hotel accommodation requirements, if any

9. Subsequent changes in arrival plans should be communicated immediately to the Organiser. Cancellation, postponement or any other changes must be notified at least 48 hours in advance. Rooms not occupied in accordance with the latest advice will be held for 24 hours at the participant's expense and then released. All rooms will be assigned according to information furnished, on a first-come, first served basis.
10. Hotel contact information:  
 Richmond Hotel  
 Rattanathibet Road, Nonthaburi, Thailand  
 Tel: 66-2-951-7854-63

#### Arrival at the airport

11. Access to Nonthaburi from Bangkok International Airport: Participants are requested to take a taxi from an official taxi stand at the airport. Travel time from the airport to Nonthaburi takes between 40-60 minutes (Cost: approximately 500 baht). Please make sure to retain all receipts as participants will be reimbursed during the meeting period. If you are unable to obtain a receipt from the taxi driver, please have him or her sign a piece of paper with the amount of the meter written on it.
12. When choosing a taxi from the airport, ensure that it is a metered taxi (with 'Taxi Meter' written on the roof) and that the driver uses the meter. A supplement is charged for the airport of 50 baht. Taxis are found outside the terminals on a supervised taxi rank where a ticket is issued to prevent any problems occurring. Please do not use touting taxis or enter unmarked taxis. Please just proceed to the official taxi rank.
13. The arrival hall has money changing facilities available and a Tourism Authority of Thailand (TAT) office.

#### Airfare

14. Participants should make and pay for their own transportation arrangements from their place of origin to Bangkok International Airport (Don Muang Airport). Expenses for the **most economical, round-trip, Economy Class ticket** will be provided to **one participant** from the nearest airport in his or her home country to Bangkok International Airport. After arrival in Thailand, participants will be reimbursed upon submission of receipts, invoices from travel agencies, and documentation.
15. Participants may receive reimbursement for airfare in U.S. dollars or Japanese yen. Participants should inform the Organiser of the preferred method of reimbursement before arrival. **Documentation and invoices from travel agencies, as well as the copy of the airline ticket must be faxed to the Organiser as soon as possible.** To receive reimbursement, participants must submit original receipt and relevant documentation during the meeting period.

#### Airport taxes

16. Airport taxes outside of Thailand will be paid by IGES upon submission of receipts and documentation. The departure tax from Bangkok International Airport (BHT 500) will be paid in advance to participants during the study tour.

#### Domestic travel expenses

17. Domestic travel expenses outside Thailand are the responsibility of the participant.
18. Domestic travel expenses to/from Bangkok International Airport and Nonthaburi will be paid by the Organisers during the study tour period.

#### Daily allowances (DSA)

19. Daily allowances (DSA) will be available for participants during the meeting period, based on existing regulations.

### Reimbursement method

20. Reimbursement for specified items (airfare, travel expenses to/from Bangkok International Airport, airport taxes, visa fees) will be paid during the study tour programme period, upon submission of necessary documentation and receipts from travel agencies.
21. Reimbursement for airfare, including visa (if necessary) is available in either Japanese yen or U.S. dollars. Please specify the payment method to the Kitakyushu Initiative Network Secretariat. Payment for airport taxes, travel costs in Thailand, and DSA will be paid in Thai Baht.

### Working language

22. The meeting will be conducted in English and Thai and all documentation will be in English.

### Documents

23. Participants are requested to submit a short abstract in English (see attached "Study Tour Information Request") and should be prepared to discuss these issues with Nonthaburi city officials, as well as devise a short proposal on follow-up plans on the final day of the study tour. This document can be submitted to the Organiser by email or fax by 8 December (Thursday). Guidelines are attached.
24. All papers prepared by the participants should be sent before to the Organiser by e-mail or fax. In the event that documents cannot be prepared beforehand, participants are requested to carry 10 copies of the documents to the tour for distribution.

### Paper/literature for distribution

25. Participants wishing to circulate any papers or literature are requested to bring sufficient copies for distribution, as documents reproduction services will not be available for this purpose.

### Financial and administrative arrangements

26. The Organiser will not assume responsibility for other expenditures, including the following:
  - (i) All expenses in the home country incidental to travel abroad, including medical examination, inoculations and other such miscellaneous items and internal travel to and from the airport of arrival and departure in the home country;
  - (ii) Salary and related allowances for the participants during the period of the meeting;
  - (iii) Costs incurred by participants in respect of travel insurance, accident insurance, medical bills, or hospitalization fees in connection with attending the meeting;
  - (iv) Compensation in the event of death or disability of participants in connection with attending the meeting;
  - (v) Any loss of or damage to personal property of participants while attending the meeting or losses or damages claimed by third parties as a result of any negligence on the part of participants;
  - (vi) Any other expenses of a personal nature, not directly related to the purpose of the meeting.

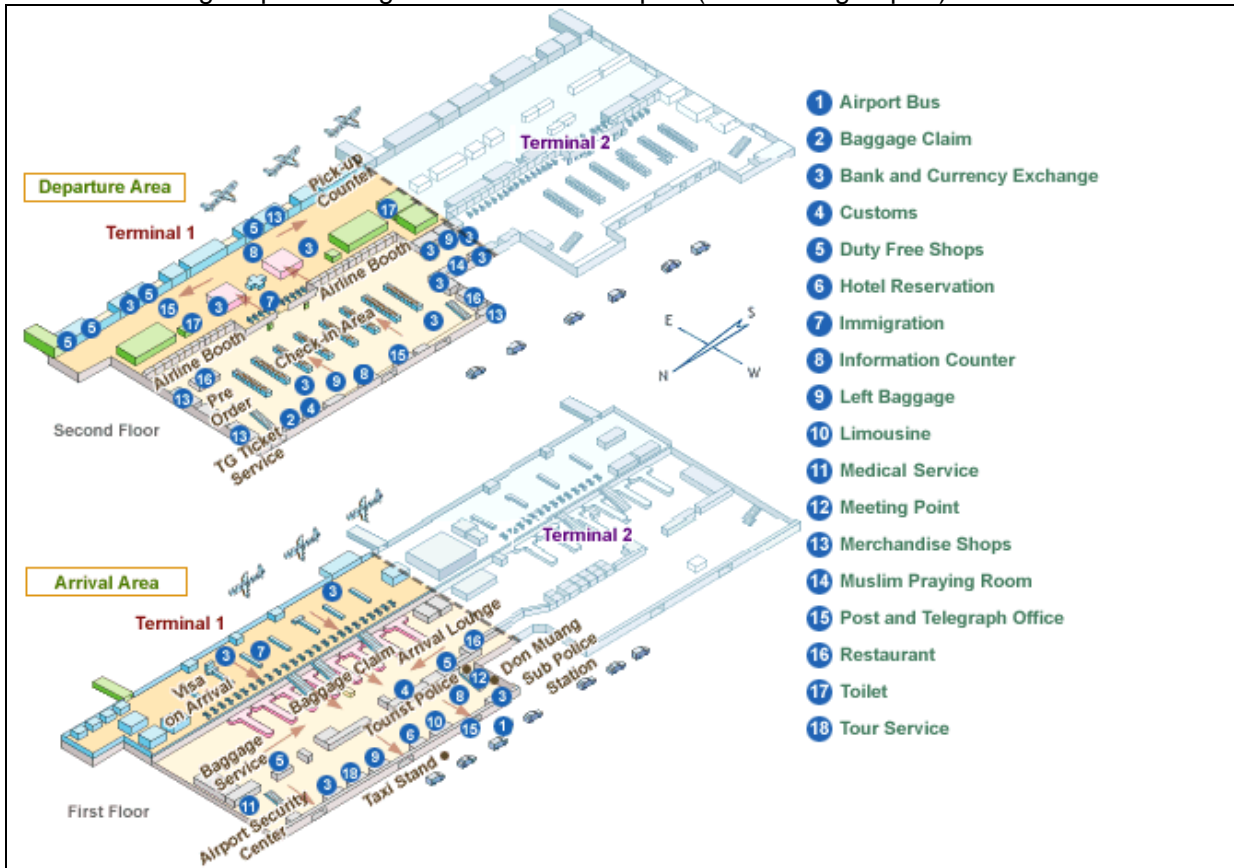
### Miscellaneous

27. Electricity is 220V and uses flat or round two pin plugs without an earth. Adapters and special plugs may be necessary.
28. Participants are advised to ensure that their return bookings are confirmed soon after arrival in Thailand.
29. International departures are from either Terminal 1 or Terminal 2. After check in you will need to purchase a ticket for airport tax for 500 baht. This is not included in the tickets and will be reimbursed by the Organizers during the meeting period. The tickets for the airport tax can be purchased at the kiosks just before the passport control area.



30. The cool season from November to January is the most popular time for overseas visitors and is the high season.

31. The following maps of Bangkok International Airport (Don Muang Airport) are below:

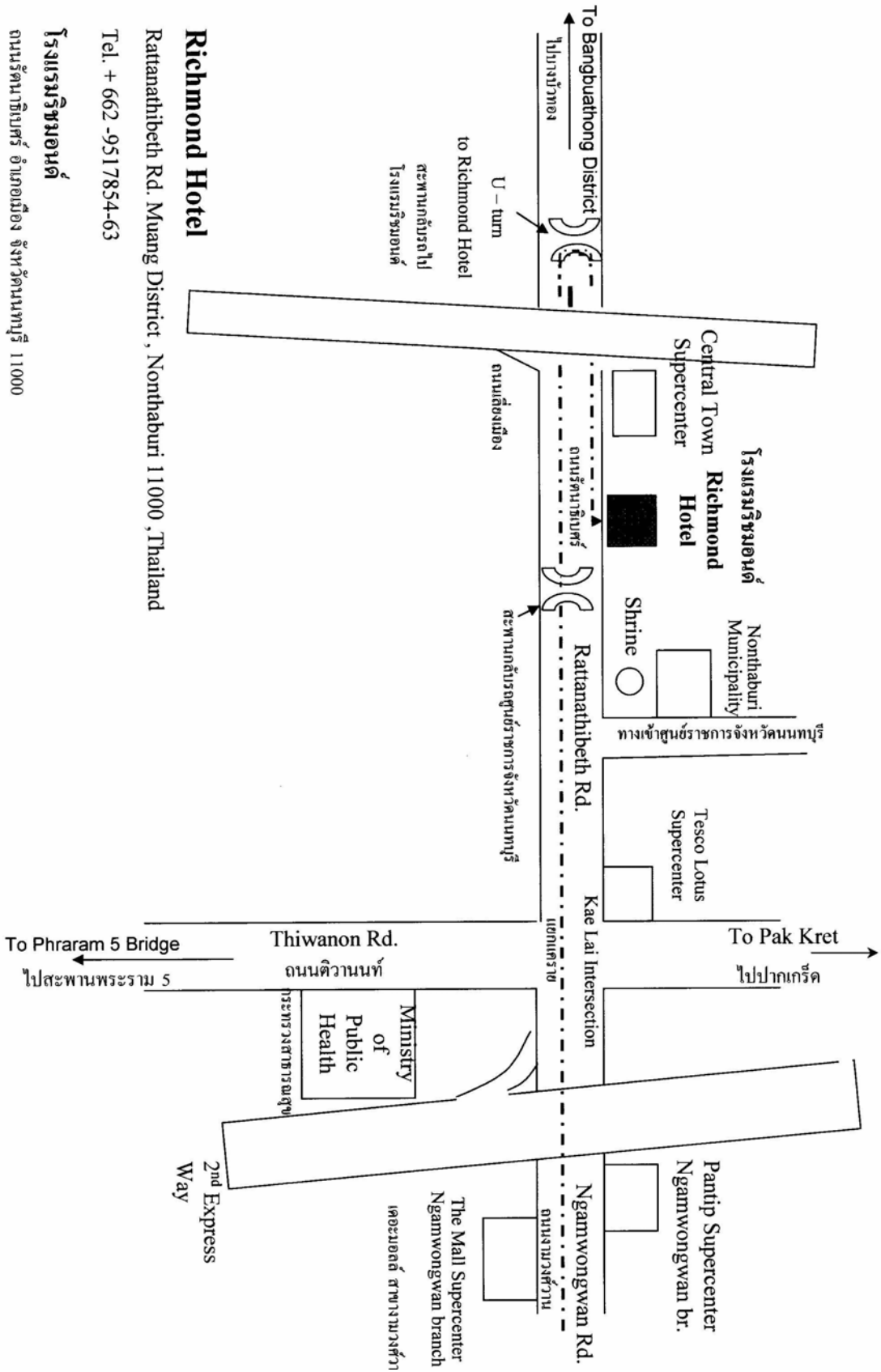


Terminal 1



Terminal 2

**Map to Richmond Hotel, Nonthaburi:** Please show this to the taxi driver if he or she does not know the location of the hotel.



**Richmond Hotel**

Rattanaibeth Rd. Muang District, Nonthaburi 11000, Thailand

Tel. + 662-9517854-63

**โรงแรมริชมอนด์**

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