

CHAPTER 4 Database System and Transport Model Application and Human Resource Capacity Development

- Analysis and Appraisal of Transportation Project
 - Technical Consultation
 - Seminars
 - GIS and MIS Training
 - Technical Tour
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4.1 Analysis and Appraisal of Transportation Project

The consultant has applied the transport model to the assigned works from OTP according to the appropriateness and type of work which are 3 models, i.e.

- National Model (NAM)
- Extended Bangkok Urban Model (eBUM)
- Local Area Model (LAM)

The consultant has laid the direction of database system and model application to analyze and assess 5 transportation projects according to Term of Reference which applied all 3 transport models outlined below:

1. The application of eBUM to analyze 5 MRT lines;
2. The application of eBUM to analyze the fare structure of 5 MRT lines;
3. The application of HDM-4 with NAM;
4. The application of model to solve the traffic problem in Chiang Mai Province; and
5. The application of GIS to analyze the data from Real Time project.

All works and projects explained above have been produced and submitted separately to OTP as technical document.

4.2 Technical Consultation

During the period of developing and maintaining of database, information system and transport model, the consultant team has fully cooperated OTP with respect to transport works namely;

- In-house consultation to OTP;
- Attending project meetings as requested by OTP;

- Commenting on transport study reports as requested by OTP;
- Giving suggestions and recommendations to OTP with respect of transport issues.

In the first 3 months of this project, the consultant has trained “the application of transport models on September 4th-5th, 2007 at room 202, OTP office building in Bangkok.

4.3 Seminars

During the project period, the consultant has organized two seminars for OTP and related agencies.

- The first seminar was organized on November 26th-27th, 2007 at Rajawadee room, Natural Park Resort, Jomtien Beach, Chonburi
- The second seminar was organized on April 24th, 2008 at Meeting Room 401, Office of Transport and Traffic Policy and Planning Building.

4.4 GIS and MIS Training

The consultant has arranged technical training for 10 OTP officials in GIS and MIS technology concerning Working with ArcGIS Network Analyst for Version 9 at ESRI (Thailand), Co., Ltd. during November 15th-16th, 2007.

4.5 GIS Technical Tour

The consultant has provided the transport planning model Technical Tour for 10 OTP officials at South Korea during October 17th – 19th, 2007.