

**The Minutes of the Meeting between
Institute of Karst Geology, Chinese Academy of Geological Sciences,
China Geological Survey
and
Department of Mineral Resources, Ministry of Environment and Natural
Resources, Thailand**

Time: SEP. 21, 2017

Venue: Department of Mineral Resources, Thailand

On Sep. 21, 2017, a delegation led by Prof. Zhang Fawang, the Executive Deputy Director of the Institute of Karst Geology (IKG) under China Geological Survey visited Department of Mineral Resources of Thailand (DMR), and has a discussion on the cooperation in the fields of marine karst and environmental geological survey along China-Thai railway with DMR.

During the meeting between IKG and DMR, the previous cooperation status of both parties and the field work results which IKG delegation has obtained from this visit to Thailand have been introduced and discussed. Meanwhile, both parties have discussed the *Agreement on Cooperative Project of Joint Environmental Geological Survey and Compilation of Related Maps along China-Thai Railway (Bangkok-Nakhon Ratchasima Section)* (hereinafter referred as Agreement), which has already been discussed for 4 times before. After the thorough discussion, IKG and DMR has reached the consensus as follows:

I. For the Agreement

1. The project title has been revised from Key Areas along China-Thai Railway to China-Thai Railway (Bangkok-Nakhon Ratchasima Section)
2. According to the fields that DMR focused on, the objectives for this Agreement will not include the groundwater pollution investigation, but define the scale for the investigation of the area of Nakhon Ratchasima and its surrounding areas.
3. The sections of the study area changed from three sections (Bangkok-Pachi, Kaeng Khoi-Sikhio, Nakhon Ratchasima and its periphery area) to two sections (Bangkok- Kaeng Khoi, and Kaeng Khoi-Nakhon Ratchasima)
4. The periods of the Project has also been revised according to the real work progress.
5. Scientific popularization activities and guarantee provided for smooth implementation of the Project was added to the responsibilities of both Parties.
6. Geophysical and geochemical survey was added to the budget arrangement.

7. The Achievements have been improved according to the real demands of both parties.

II. For the Marine Karst

1. General current work and further plan have been discussed with the preliminary arrangement of the work being defined.

The Minutes will be reported to the administration organization of both parties for confirmation, in case there are any disagreement from the administration organization, both parties should negotiate again with each other.

Participants from IKG:

1. Prof. Zhang Fawang Researcher, Executive Deputy Director
2. Dr. Lei Mingtang, Researcher, Director of Karst Engineering and Geohazards Division
3. Ms. Luo Qukan, Assistant Researcher, Deputy Secretary-General of IRCK
4. Dr. Xu Qi, Assistant Researcher, Deputy Director of Information Center
5. Dr. Yang Xiangpeng, Assistant Researcher, Sub-Project Leader

Participants from DMR:

1. Mr. Niwat Maneekhut, Deputy Director General
2. Mr. Chaiporn Siripornpibul, Senior Expert (International Cooperation)
3. Mr. Naramase Teerarungsigul, Senior Expert (Mineral Resources Management)
4. Mr. San Assavapatchara, Senior Geologist
5. Mr. Vorakit Krawchan, Junior Geologist
6. Ms. Warinthara Thepju, Junior Geologist
7. Ms. Sirirat Pulkasem, Geologist



(Mr. Niwat Maneekhut)

Deputy Director General,

Department of Mineral Resources, Ministry
of Environment and Natural Resources



(Prof. Zhang Fawang)

Executive Deputy Director,

Institute of Karst Geology