

Project Title: Cross-border Collaboration on Geology and Mineral Resources of Cambodia-Laos PDR-Myanmar-Thailand-Vietnam

Implementing Agency:

Cambodia : General Department of Mineral Resources (GDMR)
Lao PDR : *Department of Geology and Minerals* (DGM)
Myanmar : Department of Geological Survey *and* Mineral Exploration (DGSE)
Thailand : Department of Mineral Resources (DMR)
Vietnam : General Department of Geology and Minerals of Vietnam (GDGMV)

Background Information and Justification

Thailand has succeeded in applying geological and mineral resources data for minerals exploration. Some examples of success include exploration and production of gold in Phichit province, zinc in Tak province, galena in Phangnga province and gemstone in Chanthaburi and Trat provinces. The continuity of land and abundance of mineral resources of Cambodia, Lao PDR, Myanmar, Thailand and Vietnam are advantages and chance for the five countries to study and share geological information together as information network. This will lead to the correct and updated geological information between boundaries of the five countries which will be very important basic information for mineral development of Cambodia, Laos PDR, Myanmar, Thailand and Vietnam in the future.

The preliminary bilateral cooperation between Thailand by the Department of Mineral Resources and four countries of mainland southeast Asia including Cambodia, Lao PDR, Myanmar and Vietnam had been carried out as follows;

Thailand (DMR) and Cambodia (GDMR) signed a record of discussion (ROD) in Phnom Penh on 16 December 2014. The ROD shows agreement to formulate the cooperation including 1) cross-border collaboration on geological Information of Cambodia - Laos PDR – Myanmar – Thailand - Vietnam project, 2) a study on mineral deposits and ore genesis, mineral exploration and resource management, 3) capacity building through exchange visits, conferences, trainings and related academic information sharing and 4) setting up the meetings of the executive level which would be arranged on a rotational basis.

Thailand (DMR) and Lao PDR (DGM) technical cooperation was operated in accordance with the MOM under the Thai-Lao cooperation joint committee during 2002-2009 and achieved fruitful results including: the surveys on geology, geological resources (minerals) and geological tourism sites in Lao PDR; a number of geological maps; the improvement of geological museum of the Department of Geology, Lao PDR, in Vientiane; Technical training courses for Lao PDR's personnel on rock and mineral analysis in laboratory, Information Technology Management and Remote sensing and aerial photograph interpretation. Moreover, in 2011-2015, Thai-Lao Cooperation Project for Sustainable Development of Geological Resources has been carried out in order to continue with the cooperation and to achieve the ultimate outcome of the technical cooperation project needed by the two countries as stated in the MOM.

Thailand (DMR) and Myanmar (DGSE) technical cooperation, including geological and mineral exploration along border and capacity building, was firstly agreed in accordance with the MOM under the Thai-Myanmar cooperation joint committee in 2009. The next technical cooperation agreement between Thailand (DMR) and Myanmar (DGSE) is shown in ROD, signed in Naypyidaw on 10 February 2015. The ROD shows agreement to formulate the cooperation including 1) cross-border collaboration on geology and mineral resources of Cambodia - Laos PDR – Myanmar – Thailand - Vietnam project, 2) geological and mineral exploration in joint study area, 3) capacity building and 4) setting up the meetings of the executive level which would be arranged on a rotational basis.

Thailand (DMR) and Vietnam (GDGMV & VIGMR) technical cooperation was firstly agreed in accordance with the MOM in 2011. In 2014, the agreement between Thailand (DMR) and Vietnam (GDGMV) was recorded in ROD to formulate the cooperation including 1) cross-border collaboration on geology and mineral resources of Cambodia - Laos PDR – Myanmar – Thailand - Vietnam project, 2) analytical laboratory and 3) museum and geological sample exchange. In addition, ROD between Thailand (DMR) and Vietnam (VIGMR) also shows technical cooperation about joint-study on stratigraphic correlation of Kontum Massif in Central Vietnam and the meeting of working group.

Finally, Thailand would like to propose the technical cooperation projects of the year 2015-2019 namely “the Cross-border Collaboration on Geology and Mineral Resources of Cambodia-Laos-Myanmar-Thailand-Vietnam” according to details as follows;

Details of Project

1. Project Objective

- 1) To support technical knowledge for geological and mineral resources development.
- 2) To increase knowledge of human resource to professional level.
- 3) To link data and develop geological and mineral resources network.
- 4) To enhance performance, experience and technology to join ASEAN.
- 5) To increase a good international relationship.

2. Project Outputs / Outcome / Impact

Output

The products of the project are shared products of the CLMTV countries including:

- 1) Report and data set of 1:1,000,000 geological map of the study areas of the CLMTV countries.
- 2) Officers with high capacity and experience on geology and mineral resources of the CLMTV countries.

Outcome

- 1) Stability of mineral resources for developing of Cambodia, Laos PDR, Myanmar, Thailand and Vietnam.
- 2) Better economic and social development of Cambodia, Laos PDR, Myanmar, Thailand and Vietnam.
- 3) Sustainable international relations of Cambodia, Laos PDR, Myanmar, Thailand and Vietnam.

3. Duration of the Project

Year 2015-2019 (5 Years)