



- Name of Project** : **Consultancy Services for Feasibility Study and Environmental Impact Assessment (EIA) and Strategic Environmental Assessment (SEA) of Gravity Water Management for Khong - Loei - Chi - Mun in Northeast Region of Thailand**
- Location** : In Northeast Region of Thailand
- Client** : Royal Irrigation Department (RTG/RID)
- Duration** : September 2009 – September 2011
- Narrative Description** : Northeast Region of Thailand consist of Khong, Che and Mun River Basin which cover 19 provinces approximate area of 104 million Rai but can used for Agriculture only 50 million Rai this amount include Irrigation area of 5.59 million Rai and the remaining areas have to wait for rain. There were many projects from the past to study the Development of Water Use in the country such as Dam Projects and the Development between countries from Khong River but the project had problems and limitations of using energy for water pumping. The Royal Irrigation Department had consider the project for diversion of water from Khong River at Loei River Mount by improvement of Loei River Mount to make water from Mekong River reverse flow of water into the Loei River in amount of large volume. According to the Preliminary Study of the Khong-Loei-Che-Mun Water Diversion Project there is engineering possibility for water diversion into the area of Northeast to flow water to River Basin of Che, Mun and new Irrigation Canal this will allow development of agricultural land up to 21.9 million Rai.

Services Description

: The scope of services are as followings:

- Study and Prepare Report for Strategy Environmental Assessment (SEA) of Gravity Water Management for Khong-Loei-Che-Mun.
- Study and Prepare Report for Feasibility Study of Gravity Water Management for Khong River to solve the water problem in the Northeast.
- Study and Prepare Report for Environmental Impact Assessment (EIA) by proposed the Mitigation and Monitor Plan of water diversion from Khong River at Loei River Mount to River Basin of Che-Mun-Khong Basin and Irrigation water distribution system as potential gravity.
- Study and Prepare Report for Health Impact Assessment (HIA) and Social Impact Assessment (SIA) including all Mitigation plans.
- Study guide line for water management in wet season and dry season.
- Study the Mathematical Models of water diversion.
- Installation of water measurement stations for monitoring water of Klong River at Loei River Mount.
- Prepared the Pilot Project Research according to the Irrigation Water Management for conditions of soil at different levels. Prepare the Pilot Project Demonstration which suitable for agricultural area and organization of Irrigation Management.
- Promote process of Public Participation by setting the level of Participation and Implement the process. Public relations work shall relate to the target who has been direct impact as a positive or negative and relate to the other group.