

## Water Resources Development

## Stung Chinit Irrigation and Rural Infrastructure Project, Kingdom of Cambodia



The project is located in the north-central part of Cambodia in the Province of Kampong Thom and in the districts of Santuk and Baray. The project represents an important opportunity to contribute to poverty alleviation and farmer income improvement in the province. It comprises the first stage of a more extensive development, which eventually could bring full wet and dry season irrigation to approx. 12,000 ha. The first phase comprises the provision of wet and dry season irrigation to some 3,000 ha.

The main objectives of the project are increased agricultural productivity, improvement of infrastructure in and around the project area, formation and training of water user groups, cost recovery measures and strengthening of government staff capacity. There will also be substantial benefits for fisheries in the Project area.

Proposals for irrigation in the project area were made as early as 1971, and several attempts have been made to implement system rehabilitation proposals (1991, 1994 and 1997). During 1999 and 2000, the project was reassessed and reformulated. A consortium led by Lahmeyer International undertook detailed designs for 7,000 ha of irrigation and flood control infrastructure from 2001 to 2003. Construction of the first phase of 2,960 ha under international and local contracts commenced in 2004 under the supervision of the same consortium.

The Project includes a very high proportion of farmer participation in decision-making from conception through to commissioning, water management, and operation and maintenance, in close co-operation with MOWRAM.

### Client / Funding Agency:

Ministry of Water Resources and Meteorology (MOWRAM),  
Cambodia  
Asian Development Bank, Agence Française de  
Développement

### Consortium Associate:

SMEC-Australia

### Main Data:

- |   |           |
|---|-----------|
| • Irrigation area (wet season)                                      | 12,000 ha |
| • Rehabilitation of main canal                                      | 30 km     |
| • Rehabilitation of secondary canals                                | 10 no.    |
| • Construction of main drains and cross drainage facilities         |           |
| • Reconstruction of hydraulic structures and flood protection works |           |

### Execution:

since 2001

### Services:

- Topographic and cadastral survey of 12,000 ha irrigated land (mapping at scale 1:5,000)
- Water resources and hydraulic modelling
- Farmer community organisation and training
- System operation management studies and training
- Detailed design of irrigation and drainage works
- Preparation of tender documents, contract packaging and construction supervision
- Advice on commissioning, water management, O & M.