

Donor country Japan			
Project/programme title Development Survey - Grant Aid Comprehensive Agricultural Development of Prek Thnot River Basin, Project for Improvement of Roleang Chrey Headworks			
Purpose			
Recipient country Cambodia	Sector Adaptation measures	Total funding	Years in operation
Description <p>Prek Thnot River Basin is a major rice-producing area. However, production is unstable as the ratio of irrigated land remains low.</p> <p>Droughts in the dry season and flood damage in the rainy season are frequent, making this a region vulnerable from low production and self-sufficiency.</p> <p>< Comprehensive Agricultural Development of Prek Thnot River Basin ></p> <p>Between July 2005 and August 2008 a development survey was conducted in the basin with the objective of 1) considering measures for better agricultural production through the effective use of water resources (draft of the master plan), 2) providing project assistance for upgrading existing irrigation facilities that carry a high level of priority and urgency (FS survey), 3) establishing a flood warning plan and considering measures to reduce the damage incurred from flooding, 4) drafting plans for partner country counterparts and improving the technology related to irrigation management, spreading agriculture, etc. (employing a pilot project).</p> <p>In the future, if climate change leads to greater fluctuations in rainfall and to the increased intensity and frequency of disasters such as drought and flooding, there is concern that the region will face a more serious level of production decline. However, based on the results of this survey, if irrigation facilities are developed and water resources are utilized effectively, it is anticipated that the resistance capacity against flooding and drought will increase. Furthermore, if the flood-warning plan proposed in this survey is actually drafted, it is expected to prevent flood disasters resulting from climate change from growing more serious.</p> <p>< Project for Improvement of Roleang Chrey Headworks ></p> <p>Under this project, assistance will be provided via grant aid for constructional improvements to facilities that have deteriorated and show marked decline in functional performance after a development survey is conducted 34 years following their construction (June 2009 EN). This will accordingly lead to reduced damage from flooding as well as proper and stable water supply in downstream irrigation areas</p>			
Indicate factors that led to project's success			
Technology transferred			
Impact on greenhouse gas emissions/sinks			