

## Ceremony to start BMD installations under pCDM



Ceremony site



Speech by Dr. Naoki Matsuo, CEO of PEAR  
(Slogan: CDM brings happiness to all in a family)

To disseminate Biogas Micro-Digesters (BMDs) for low-income farmers in Chongqing, China, PEAR Carbon Offset Initiative, Ltd. (Japan) has been promoting a programmatic CDM project (PoA) in rural areas in Chongqing.

The project generates a series of development-oriented benefits in addition to mitigation of global climate change. The revenue of the carbon credits (CERs) from the project is utilized as a part of the upfront investment to install BMDs for households. This social business model provides a new channel to shift to realize a sustainable low-carbon development.

The first Activity (CPA) under the PoA targets 756 households in Kai county with a subsidy of 1,500 RMB per household that is originated from a fund settled by Japanese government for offsetting carbon emissions from the Hokkaido, Toyako G8 Summit in 2008.

The Ceremony for starting the Activity was held in Longwang Village of Dade sub-county in Kai County of Chongqing municipality on March 14 of 2009.

Xinming Gao, vice chairman of Chongqing Agricultural Committee, Naoki Matsuo, CEO of PEAR Carbon Offset Initiative, Ltd., Shigeru Toyama, consul-general of Japanese Consulate at Chongqing and local government officials have attended the Ceremony. Contracts between households and PEAR were signed. People visited farmers with completed BMD as well as those under construction after the Ceremony. The Ceremony has marked the start of programmatic CDM in rural areas in China.



Speech by Shigeru Toyama, consul general of Japanese consulate at Chongqing



Ground breaking



Speech by Xinming Gao, vice chairman of Chongqing Agricultural Committee



Slogans:  
“CDM is good, indispensable to be rich”  
“CDM is good, changes waste into wealth”



Contract signing between a farmer and PEAR



Farmers and biogas stove and lamp of the first installation of the BMD under the program



Number plate of the project



Water heater with desulfurization equipment and shower



## BMDs under construction



Hole digging



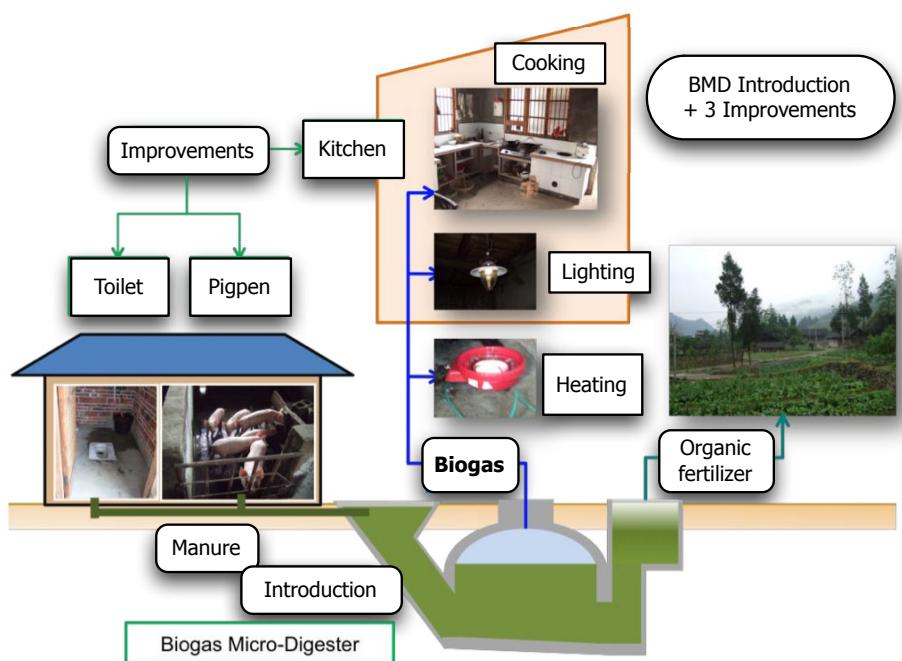
Chamber bricking



Large chamber buttressing



Completed BMD (underground)



With BMD the traditional coal / briquettes (main fuel), LPG, firewood, etc are to be replaced by clean and renewable biogas (mainly methane). In addition to the reductions of CO<sub>2</sub> and other pollutants such as SO<sub>x</sub> and particulate matters in house, deforestation is avoided if firewood was cut for fuel.

Reasonable application of organic fertilizer as a byproduct of BMD reduces pollution on soil and water caused by direct discharge of animal manure, improves soil fertility by reducing application of synthetic fertilizer and pesticide, improves the quality of agricultural products, promotes green food production and increases farmers' income from planting and breeding.

Installing BMD with renovation of animal shed, toilet and kitchen as a set, improves sanitary conditions of farmers' courtyard, reduces spread of the disease, and improves their quality of life and health.

The BMD provides multi-benefits and low carbon development directly to the low-income people in rural areas as a social business model utilizing carbon credits.



Conventional stoves and coal briquettes at the households before installation of BMD

### Project Site

The site of the Activity “Kai county” is located 310 km northeast of Chongqing municipality and borders Sichuan province to the west; it takes 3 hours from Chongqing municipality to Kai county by new built highway.

The targeted village, Longwang village is located in mountainous area about one hour west of the county. The most villagers have engaged farm works and the villagers cash income mainly comes from out-of rural works.

As seen in the photos, people of the Longwang village may be more familiar with the benefits of CDM than those of any other villages in the world.

