

INTERNAL VERIFICATION FORM: GS VER MICRO-SCALE PROJECTS

Title: Biogas Tanks in Guizhou Province in China
GS ID: GS614
GS Version: GSv1.0 VER
Submitted by: GoodPlanet Foundation
Submitted on: 05 June 2013 (date of uploading)
Contact: Nitin Pagare (nitin@goodplanet.org); Anouck Le Crann (anouck@goodplanet.org)
Date of GS feedback – I round: 05 August 2013
Date of GS feedback – II round: 27 August 2013

Registration Date: 06 January 2010
Crediting Period Start Date: 01 April 2008
4th Monitoring Period: 01 April 2011 to 31 March 2012
Amount of VERs under review: 2,837 tCO₂eq

Year	GS VERs (tCO ₂ e)
01/04/2011 to 31/12/2011	2,333
01/01/2012 to 31/03/2012	504
Total	2,837

Summary:

The project activity reduces GHG emissions associated with the use of coal and non-renewable biomass for cooking by promoting biogas utilization in Guizhou's countryside. Beneficiaries save money by reducing the purchase of traditional fuels or save considerable time currently spent on collecting firewood. The project also improves their living conditions (reduction of indoor pollution, enhanced hygiene) and contributes to the mitigation of local deforestation. The proposed project activity does not generate any income for the project coordinator other than revenues from the VER credits.

Internal Verification
Biogas Tanks in Guizhou Province in China
ID : GS 614



Implementation started on September 1st, 2007. The start date of the first crediting period is defined as April 1st, 2008. The chosen crediting period is a fixed period of 10 years. With annual average emission reductions of 4,441 tCO₂e, the estimated total reductions would be 44,411 t CO₂e over the whole crediting period.

The project was registered on 6th January 2010. This is the fourth monitoring period, from 1st April 2011 to 31st March 2012. During this crediting period, the new biodigesters construction had been finished. There were in total 548 bio-digesters installed in Weining and 760 installed in Danzhai. Project proponent claims emission reductions of 2,837 tCO₂e over this period. In Weining, farmers saved an average of RMB 846.9 on their yearly fuel expenses and biogas contributes to 44% of their energy needs, the global hygiene rank has increased by 6.0 and they use the biogas lamp for about 4 minutes per day. In Danzhai, biogas contributes to 41% of the energy needs, the global hygiene rank has been increased by 1.9 and they use the biogas lamp 4 minutes per day. Livelihood of the beneficiaries and their access to clean energy were improved by the project.

General comments:

The Gold Standard has identified clarification and corrective action requests as outlined in the table below. These issues must be resolved before the project may be submitted for registration as a Gold Standard project. Please provide your responses in the table below along with the revised project documentation and any other supporting documents that may be required to resolve the issues.

Document(s) provided and reviewed (I Round):

- Monitoring report (version 1, dated 20 May 2013)
- Emission reduction calculations: DZMT_Year4 (uploaded on 05 June 2013)
- Emission reduction calculations: WNMT_Year4 (uploaded on 05 June 2013)
- Project database Year4 (uploaded on 05 June 2013)

Document(s) provided and reviewed (II Round):

- Monitoring report (version 2, dated 8 August 2013)

Decision:

Internal Verification
Biogas Tanks in Guizhou Province in China
ID : GS 614



Rejected	<input type="checkbox"/>
Request for clarifications and /or corrective action	<input type="checkbox"/>
To be submitted for external verification	<input type="checkbox"/>
Verified	<input checked="" type="checkbox"/>

Requests for clarifications and/or corrective actions: The GS has reviewed the submitted project and identified a number of areas where additional information is necessary for the project to be in line with the Gold Standard requirements.

Sections	Clarifications and/or corrective action needed	Reasons for clarification and/or corrective action	Suggestions on how to proceed	Response by Project Proponent
Gold Standard Monitoring report				
Comment/Request 1:				
Editing: Abstract. Section IV.	1. PP is requested to update to the fourth crediting year in the Abstract. 2. PP is requested to correct the title of iii. Separated ER in 2010 and 2011 of this crediting year.			1. Revised in the report. 2. Revised in the report. GS 2 nd round Comment: This Request/Comment is closed.
Comment/Request 2:				

Sections	Clarifications and/or corrective action needed	Reasons for clarification and/or corrective action	Suggestions on how to proceed	Response by Project Proponent
Section IV.	<u>Failure Rate.</u> The PP shall provide a brief analysis of the high failure rate for Danzhai Winter 2010-2011. And explain if any maintenance scheme is in place.			See MR page 8. GS 2 nd round Comment: This Request/Comment is closed.

Internal Verification
Biogas Tanks in Guizhou Province in China
ID : GS 614



Sections	Clarifications and/or corrective action needed	Reasons for clarification and/or corrective action	Suggestions on how to proceed	Response by Project Proponent
	<p>Monitoring Report mentions that 35 digesters were replaced in DZ because the old ones were broken. PP shall clarify whether the period when beneficiaries didn't have working tanks were excluded from calculation. PP shall also explain why new tanks were constructed for new beneficiaries instead of old ones.</p>			<ol style="list-style-type: none"> 1. The non-working period of those composite tanks were taken into account when calculating ERs though the extensive working rate survey. 2. Because of all the problem encountered on the glass fiber biodigesters, ID saved some money in a separate fund to do the reparation on the biodigesters. In some cases the damage were so extensive that building a new concrete biodigester would be cheaper and more efficient than repairing glass fiber ones. Whenever possible the new biodigesters were built with the same beneficiaries, but in some instance, the household really lost confidence in this technology and did not want to hear about biogas anymore. We then decided to build new biodigesters with some new beneficiaries in a surrounding village. <p>GS 2nd round Comment: OK, the working rate survey has covered the 35 biodigesters that were permantly replaced, ER calculation is considered appropriate. This Request/Comment is closed.</p>

Sections	Clarifications and/or corrective action needed	Reasons for clarification and/or corrective action	Suggestions on how to proceed	Response by Project Proponent

Conclusion – The GS opinion is that 2,837 VERs (Monitoring Period - 01/04/2011 to 31/03/2012) are verified after the above clarifications and/or corrective actions have been taken care of in a satisfactory way.