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# **NOTIFICATION OF CHANGES FROM REGISTERED PDD**

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**The World Bank Group**

**Animal Manure Management System  
(AMMS) GHG Mitigation Project ,  
Shandong Minhe Livestock Co. Ltd.,  
Penglai, Shandong Province, P.R. of  
China**

**UNFCCC Ref. No. 1891**

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CDM projects must undergo periodic audits and verification of emission reductions as the basis for issuance of Certified Emission Reductions (CERs). SGS United Kingdom Ltd has been contracted by the World Bank Group to perform an independent preliminary verification of CDM project activity "Animal Manure Management System (AMMS) GHG Mitigation Project, Shandong Minhe Livestock Co. Ltd., Penglai, Shandong Province, P.R. of China" under UNFCCC reference number.

During the preliminary verification of the project activity, it was identified that the implementation of the registered CDM project activity does not conform to the description contained in the registered Project Design Document (PDD) version 08 dated 30/03/2009 available from the UNFCCC website <http://cdm.unfccc.int/Projects/DB/TUEV-SUED1214574673.61/view>.

As per the registered PDD of the project activity, seven sets of 500 KW co-generators will be installed, among them, six sets of co-generators are for daily operation, one set of co-generator is backup to keep the project operation during the maintenance period. The project can produce 46,236 kWh electricity a day, annual biogas electricity will be 16.88 million kWh considering the loading factor of 75% of installed capacity.

However, through the preliminary verification of the project, it is found in the actual implementation there are three sets of 1,063 KW co-generators installed at project site for daily operation under the recommendation of overseas experts and overseas investigation by the board to improve the performance and ensure the whole project lifetime in the registered PDD. The performance of installed three sets of 1,063 KW co-generators is much better than that of domestic co-generators designed in the FSR. The annual electricity produced by the project is estimated as 22.96 million kWh based on 300 operation days for each set. Therefore, the incomes from annual power generated by the project and carbon credits are affected accordingly. It is validated that the project has never been implemented in accordance with description in the registered PDD.

Through a validation of the changes in the registered PDD, and as per the CDM Executive Board Procedure in Annex 66 to the EB 48 Report, "*Procedures for notifying and requesting approval of changes from the project activity as described in the registered PDD*", SGS determines that the changes do not raise concerns with respect to the aspects outlined in paragraph 10(c) of Annex 66 to the EB 48 Report and the relevant guidelines established by the Executive Board in Annex 67 to EB 48 Report.

SGS therefore hereby submits a notification of required changes for approval to the UNFCCC secretariat.

The following files are also submitted together with this request, as per requirement of paragraph 9 of Annex 66 to EB 48 Report:

- (a) Validation opinion for Changes from Registered PDD version 08 dated 30/03/2009;
- (b) Revised Project Design Document version 09 dated 12/07/2010;
- (c) Updated IRR calculation spreadsheet and ERs calculation spreadsheet.

**Signed on Behalf of the Validation Body by Authorized Signatory**



Signature:

Name: Siddharth Yadav

Date: 28-09-2010



UK CDM Notification of Changes from Registered PDD

Issue 1

Effective from 7<sup>th</sup> September 2009

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