



Government of Nepal
Ministry of Environment, Science & Technology
Alternative Energy Promotion Development Board
Alternative Energy Promotion Centre

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June 5, 2008

Ref. No.: 1642/064/65

Mr. Rajesh Kumar Sethi
Chair, CDM Executive Board

Mr. Lex de Jonge
Vice Chair, CDM Executive Board

Members of the CDM Executive Board

c/o UNFCCC Secretariat
P.O. Box 260124
D-53153 Bonn
Germany

Ref:

- Review requested for: request for issuance for "Biogas Support Program - Nepal (BSP-Nepal) Activity-1" (0136)
- Review requested for: request for issuance for "Biogas Support Program - Nepal (BSP-Nepal) Activity-2" (0139)

Mr. Sethi
Mr. De Jonge
Honorable Members of the CDM Executive Board,

As Project Participants of the above two CDM projects, we are submitting herewith our response to your queries with regard to issuance of CERs.

- Biogas Support Program (Activity 1) has installed a total of 9,708 small biogas digesters from November 1, 2003 to June 15, 2004.
- Biogas Support Program (Activity 2) has installed a total of 9,688 small biogas digesters from June 16, 2004 to April 6, 2005.

Performance of the bio-digesters is monitored as per the monitoring plan included in the registered PDDs for both the project activities. Annual Biogas Users' Survey (BUS) and Quality Control are two major monitoring activities of the biogas support program to assess the performance of biogas digesters. The independent third party contracted by the program conducts annual Biogas Users' Survey while trained quality inspectors implement the quality control.

As part of the Biogas Users' Survey, representative sample of biogas digesters were monitored to determine the performance. Samples were selected based on a multi-



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tiered random sampling from the project database. A four-tiered system was followed. As first step, 15 clusters were defined on the basis of 5 Development Regions and 3 categories of districts (terai, hill and remote hill) in each Development Region. In the second step, districts were randomly selected from each cluster. In the third step, Village Development Committees (VDCs) were selected randomly from the selected districts. In the final step, households were randomly selected from the selected VDCs. Cluster wise distribution of plant was then generated by defining plant construction period.

The Regular Quality Control and Monitoring carried out by the BSP also followed similar procedures to check the quality of biogas plants and after-sales service provided, including training on the use of bio-slurry. Plants were also inspected for construction and operational qualities.

The data collected from the Biogas User Survey and Regular Quality Control and Monitoring surveys were entered into the BSP Database. The results of the survey have been provided in the monitoring reports. The surveys reported a performance factor of 98.7% for the monitoring period for which issuance of CERs is being requested. This means that 98.7% of the bio-digesters constructed as part of the two CDM project activities were found to be performing satisfactorily. This performance factor has been used for the purpose of estimating emission reductions.

The DoE was provided with the results of the surveys and the related documentations for the purpose of verifying the ERs. In addition, the DoE undertook physical inspection of several bio-digesters in different regions to assess the performance of the bio-digesters. The DoE also had discussions with the officials of BSP during their verification.

The project implementation and monitoring activities were conducted as per the guidance of the monitoring plan. The DoE verification has confirmed the successful operation of the project.

The project participant is ready to provide additional information and clarifications with regard to the verification process. Mr. Kirtan C Sahoo, Technical Specialist Carbon Finance Unit, The World Bank (email: ksahoo@worldbank.org, Tel: +1 202 458 7290) is designated as the contact person for further information.

Sincerely

Dr. Govind Raj Pokharel
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EXECUTIVE DIRECTOR