



Invitation to Comment on Component Project Activities under Nepal Biogas Support Programme-PoA for Crediting Period Renewal

- 1. GS6393: Nepal Biogas Support Program - CPA 6: 18,504 digesters***
- 2. GS6394: Nepal Biogas Support Program - CPA 7: 18,392 digesters***

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Alternative Energy Promotion Centre (AEPC), Nepal from the support of atmosfair gGmbH, Germany has registered Nepal Biogas Support Programme-PoA and included 10 CPAs in the PoA successfully. Now, AEPC jointly with the atmosfair gGmbH is planning for the **renewal of the crediting period of following CPAs** under Gold Standard for Global Goals (GS4GG):

- 1. GS6393: Nepal Biogas Support Program - CPA 6: 18,504 digesters*
- 2. GS6394: Nepal Biogas Support Program - CPA 7: 18,392 digesters*

The local stakeholder consultation (LSC) was done at PoA level as required by the Gold Standard and AEPC convey thanks to all who participated in stakeholder consultation and provided the fruitful feedback during feedback round of the PoA. These CPAs contributed to important socio-economic-environmental benefits that are an integral part of the biogas program. So, we hereby invite all to provide comments on the component project activities listed above. Following documents are also available in hard copy from AEPC and/or atmosfair for your review and feedback:

- Gold Standard Component Project Activity Design Document (GS-VPA-DD) for two component project activities mentioned above.
- Key Project Information for two component project activities

The documents for the PoA and corresponding VPAs that are registered under GS can be viewed from Gold Standard Website:

PoA: <https://registry.goldstandard.org/projects/details/1570>

CPA-6: <https://registry.goldstandard.org/projects/details/1492>

CPA-7: <https://registry.goldstandard.org/projects/details/1493>

The comments can be provided through, phone call, e-mail or hardcopy to the following address/persons no **later than 2 months** from the date of publication.

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Key Project Information: Nepal Biogas Support Programme-PoA

- 1. GS6393: Nepal Biogas Support Program - CPA 6: 18,504 digesters**
- 2. GS6394: Nepal Biogas Support Program - CPA 7: 18,392 digesters**

1. Description of PoA and Component Project Activities

Nepal Biogas Support Programme-PoA is registered with the UNFCCC CDM executive board on 31/01/2013. Until now, there are 10 CPAs included in the PoA. Nepal Biogas Support Program is a nation-wide programme for the dissemination of household biogas digesters, managed by Alternative Energy Promotion Center (AEPIC). It is registered under the Clean Development Mechanism (CDM) in order to allow for the generation of carbon credits since January 31, 2013. Additionally, the PoA has retroactive registration under the Gold Standard, which implies a particular focus on sustainable development benefits. The PoA and its 10 CPAs are registered/included in GS.

The PoA includes the biogas plants implemented from 22nd June 2007. The PoA consists in several CDM project activities (CPA) that will consist in the dissemination of approx. 20,000 household biogas digesters each; all CPAs will be implemented within the geographical boundary of Nepal. The type of the digesters included will receive the subsidies as governed by the subsidy policy and subsidy delivery mechanism of the Government of Nepal. These component project activities are implemented within the geographical boundary of Nepal. The type of the digesters included received the subsidies as governed by the subsidy policy and subsidy delivery mechanism of the Government of Nepal.

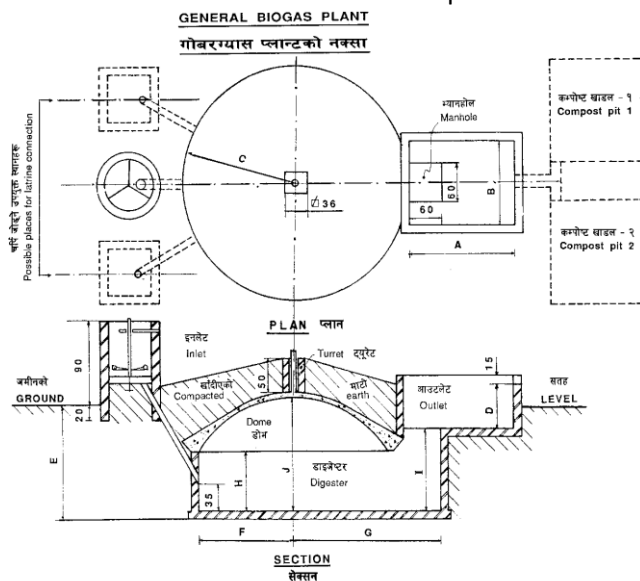


Fig: Plan and Section View of Biogas Plant



Fig: Biogas Digester in Operation

Nepal Biogas Support Program - CPA 6: 18,504 digesters

This Component Project Activity (CPA) is part of the Nepal Biogas Support Program-Programme of Activity (PoA). This CPA includes 18,504 digesters which were implemented between 24/05/2013 and 04/04/2014. The CPA was included in PoA on 8th July 2015 under CDM and on 24th December 2018 under GS. Table 1 provides an overview of the digesters according to their size and location.

Table 1: Digesters listed in this CPA.

Size \ Region	Terai	Hill	Mountain or Remote Hill	Total
2 m ³	86	2	0	88
4 m ³	1,547	265	11	1,823
6 m ³	5,965	9,772	52	15,789
8 m ³	108	696	0	804
Total	7,706	10,735	63	18,504

Nepal Biogas Support Program - CPA 7: 18,392 digesters

This CPA includes 18,392 digesters which were implemented between 05/04/2014 and 31/12/2014. The CPA was included in PoA on 8th July 2015 under CDM and on 24th December 2018 under GS. Table 2 provides an overview of the digesters according to their size and location.

Table 2: Digesters listed in this CPA.

Size \ Region	Terai	Hill	Mountain or Remote Hill	Total
2 m ³	22	1		23
4 m ³	1,071	167	1	1,239
6 m ³	7,849	8,554	64	16,467
8 m ³	142	521		663
Total	9084	9,243	65	18,392

2. Responsible Parties

Alternative Energy Promotion Centre

Alternative Energy Promotion Centre (AEPC) is CME and Project Developer (PD) for these project activities. AEPC is a government institution to promote renewable energy in Nepal. AEPC provides subsidies to install the biogas plants in households and the biogas plants owners transfer the right on potential emission reduction/emission reduction generated to AEPC.

atmosfair gGmbH

atmosfair gGmbH is a German not-for-profit company providing voluntary offsets for greenhouse gas emissions e.g. from air travel by CDM Gold Standard projects. AEPC & atmosfair has the contractual agreement for the crediting period renewal of the CPAs to continue the CPAs in GS.

3. Social, economic and environmental benefits and impacts

The project activities contribute towards the sustainable development on following aspects:

- i. Environmental Benefits:
 - a. Prevents deforestation and forest soil degradation caused by the harvest of firewood.
 - b. Prevents the emission of Greenhouse Gases from non-renewable biomass and that attributable to the anaerobic decomposition of the cattle dung that would have been left over for decay.



- c. The byproduct of the digestion process, bio-slurry, can be used as fertilizer which maintains the soil quality and avoids the possible soil pollution due to use of synthetic fertilizers.
- d. Improves indoor air quality by avoiding the smoky kitchen environment due to firewood use.
- ii. Social Benefits:
 - a. Reduces the drudgery in women caused due to tasks related to firewood collection and utensil cleaning and thereby saves time.
 - b. Improves sanitation by triggering the toilet construction at household level as the toilet can also be used as feeding material for the biogas digesters.
 - c. Improves the technical skills of the masons and other construction workers working in the sector.
- iii. Economic Benefits:
 - a. The use of the bio-digesters at households makes the households self-reliant on the energy for cooking and thereby saves the investment for energy sources in long run.
 - b. The jobs created by the sector help in the increased economic activity locally and nationally.
 - c. The bio-slurry produced from the digestion process saves the investment required to source synthetic fertilizers.

This demonstrates that the component project activities contributes positively towards sustainable development.

4. Continuous input/Grievance mechanism:

For this particular PoA, continuous grievance/input can be provided through one of the following methods:

Method	Detail
Continuous Input / Grievance Expression Process Book (mandatory)	Grievance Registration and continuous input: Grievance section: www.aepc.gov.np 1. Alternative Energy Promotion Centre (AEP) Phone +9771-4498013, 4498014 Fax : +9771-5542397, 5539392
GS Contact (mandatory)	Gold Standard Foundation: Chemin de Balexert 7-9, 1219 Châtelaine International Environment House 2, Geneva, Switzerland e-mail: help@goldstandard.org
Other	Nepal biogas promoters association Central Office Kathmandu: Phone: 01- 5535116 Nepal biogas promoters association regional offices: 1. Pokhara: Phone: 061-526785 2. Butwal: Phone: 071-551514 3. Itahari: Phone: 025-5817745 4. Nepalgunj: Phone: 081-528066 5. Dhangadi: Phone: 091- 527379 6. Chitwan: Phone: 056- 521749

For more detail information and feedback:



Government of Nepal
Ministry of Energy, Water Resources and Irrigation
Alternative Energy Promotion Centre
Making Renewable Energy Mainstream Supply in Nepal

think • go climate conscious



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