



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

- 1. Nepal Biogas Support Program - CPA 2: 19,927 digesters**
- 2. Nepal Biogas Support Program - CPA 3: 19,959 digesters**
- 3. Nepal Biogas Support Program - CPA 4: 19,970 digesters**
- 4. Nepal Biogas Support Program - CPA 5: 19,842 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. GS3113: Nepal Biogas Support Program - CPA 2: 19,927 digesters
2. GS3114: Nepal Biogas Support Program - CPA 3: 19,959 digesters
3. GS3116: Nepal Biogas Support Program - CPA 4: 19,970 digesters
4. GS3566: Nepal Biogas Support Program - CPA 5: 19,842 digesters

The local stakeholder consultation (LSC) was done at PoA level as required by the Gold Standard and AEPC convey thanks to all who involved 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 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 all four component project activities
- Key Project Information for all component project activities

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

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

CPA-2: <https://registry.goldstandard.org/projects/details/1469>

CPA-3: <https://registry.goldstandard.org/projects/details/1489>

CPA-4: <https://registry.goldstandard.org/projects/details/1490>

CPA-5: <https://registry.goldstandard.org/projects/details/1491>

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. **Nepal Biogas Support Program - CPA 2: 19,927 digesters**
2. **Nepal Biogas Support Program - CPA 3: 19,959 digesters**
3. **Nepal Biogas Support Program - CPA 4: 19,970 digesters**
4. **Nepal Biogas Support Program - CPA 5: 19,842 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.

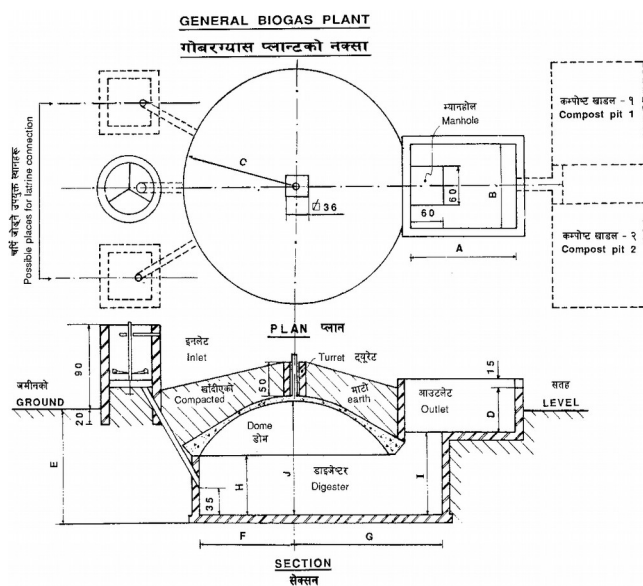


Fig: Plan and Section View of Biogas Plant



Fig: Biogas Digester in Operation

Nepal Biogas Support Program - CPA 2: 19,927 digesters

This Component Project Activity (CPA) is part of the Nepal Biogas Support Program-Programme of Activity (PoA). This CPA includes 19,927 digesters which were implemented between 19/03/2009 and 09/03/2010. The CPA was included in PoA on 8th May 2014 under CDM and on 14th August 2015 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		8	248	0	256
4 m ³		491	3482	19	3992
6 m ³		8993	5624	124	14741
8 m ³		852	83	1	936
10 m ³		2	0	0	2
Total		10346	9437	144	19927

Nepal Biogas Support Program - CPA 3: 19,959 digesters

This CPA includes 19,959 digesters which were implemented between 10/03/2010 and 19/02/2011. The CPA was included in PoA on 8th May 2014 under CDM and on 14th August 2015 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		38	1279	0	1317
4 m ³		651	4420	40	5111
6 m ³		7710	4977	120	12807
8 m ³		645	78	1	724
Total		9044	10754	161	19959

Nepal Biogas Support Program - CPA 4: 19,970 digesters

This CPA includes 19,970 digesters which were implemented between 20/02/2011 and 28/02/2012. The CPA was included in PoA on 8th May 2014 under CDM and on 14th August 2015 under GS. Table 3 provides an overview of the digesters according to their size and location.

Table 3: Digesters listed in this CPA.

Size	Region	Terai	Hill	Mountain or Remote Hill	Total
2 m ³		20	694	17	731
4 m ³		668	5292	48	6008
6 m ³		7784	4691	58	12533
8 m ³		655	43	0	698
Total		9127	10720	123	19970

Nepal Biogas Support Program - CPA 5: 19,842 digesters

This CPA includes 19,842 digesters which were implemented between 29/02/2012 and 23/05/2013. The CPA was included in PoA on 25th August 2014 under CDM and on 24th December 2018 under GS. Table 4 provides an overview of the digesters according to their size and location.

Table 4: Digesters listed in this CPA.

Size	Region				
		Terai	Hill	Mountain or Remote Hill	Total
2 m ³		13	288	3	304
4 m ³		622	4932	161	5715
6 m ³		8718	4391	64	13173
8 m ³		591	58	1	650
Total		9944	9669	229	19842

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 (AEPCC) Phone +9771-4498013, 4498014 Fax : +9771-5542397, 5539392
GS Contact (mandatory)	Gold Standard Foundation: Chemin de Balexert 7-9, 1219 Châteline 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:

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