

Angkor Bio Cogen Co., Ltd.

2 MW. Rice Husk Fired Power Plant **Kandal province** **Cambodia**

Adisorn Chieu
Project Manager
Angkor Bio Cogen Co., Ltd.

1. Background of Company/CDM



2 MW. Power plant Generate electricity using rice husk that produced from a rice mill and sell the power back to the mill.

2. ABC - CDM activity (1)



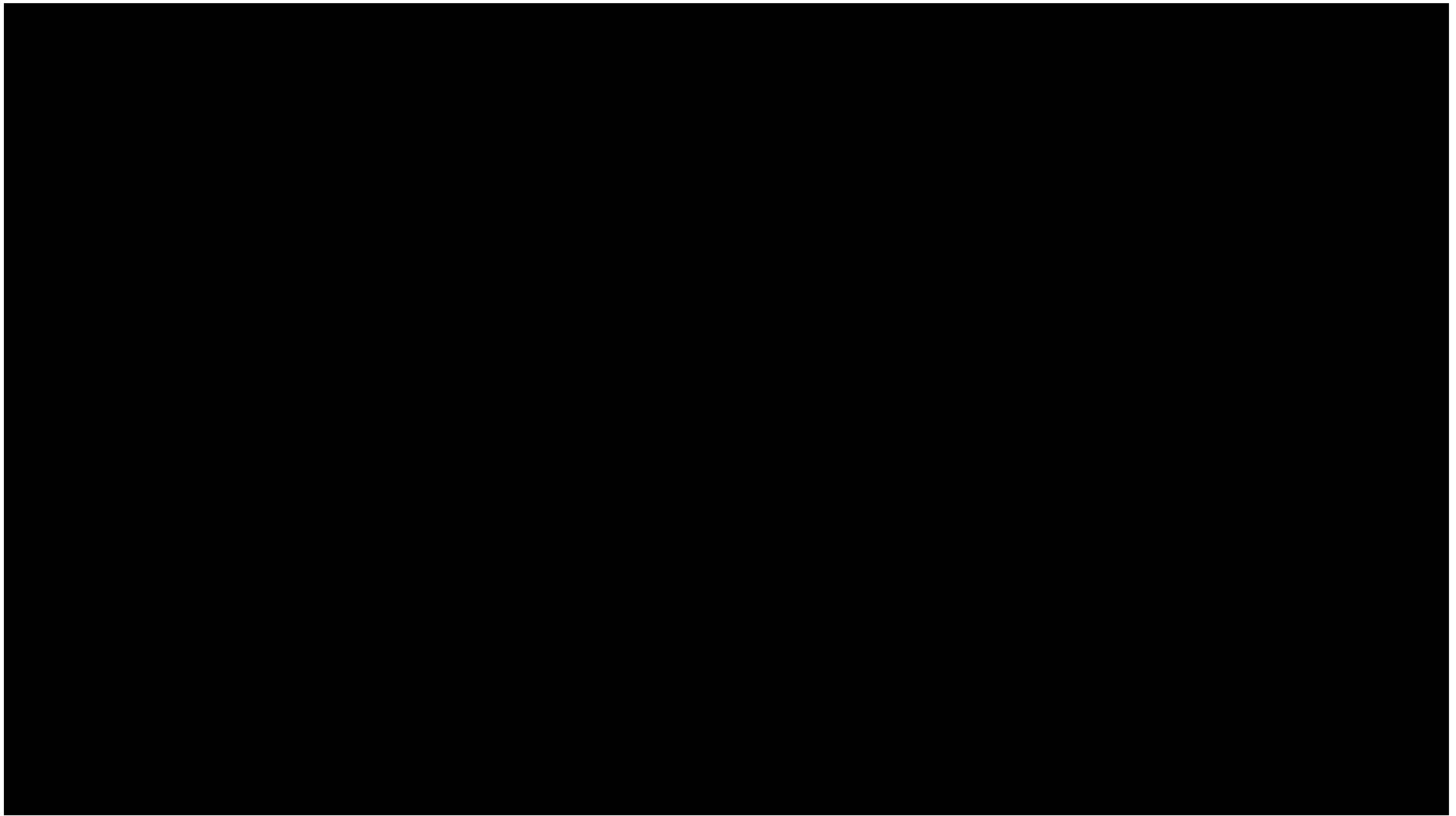
The Project will avoid methane emissions that would be produced from rice husk left to decay in the absence of the Project.

2. ABC - CDM activity (2)



The Project also displace the use of diesel oil for power generation at the rice mill.

3. ABC – CDM activity (3)



Verification done at the site in October 2012

3.1 CDM Information



Project design document form for small-scale CDM project activities

(Version 06.0)









Complete this form in accordance with the Attachment "Instructions for filling out the project design document form for small-scale CDM project activities" at the end of this form.

PROJECT DESIGN DOCUMENT (PDD)

Title of the project activity	Angkor Bio Cogen Rice Husk Power Project
Version number of the PDD	3.0
Completion date of the PDD	11 August 2015
Project participant(s)	Angkor Bio Cogen Co., Ltd (Cambodia), Mitsubishi UFJ Morgan Stanley Securities Co., Ltd (Japan), Asian Development Bank as Trustee of the Future Carbon Fund, Swedish Energy Agency (Sweden)
Host Party	Cambodia
Sectoral scope and selected methodology(ies), and where applicable, selected standardized baseline(s)	Sectoral scopes: Energy industries (Scope 1), Waste handling and disposal (Scope 13), Agriculture (Scope 15). Applied methodologies: AMS-I.A. (Ver.7), AMS-III.E. (Ver.7), AMS-I.D (Ver.18)
Estimated amount of annual average GHG emission reductions	51,620 tCO ₂ e






3.2 CDM Information

Project 0363 : Angkor Bio Cogen Rice Husk Power Project

Project title	<p>Angkor Bio Cogen Rice Husk Power Project</p> <p>-  project design document (448 KB) (approved - - 25 Jan 2016 - view previous)</p> <p>-  registration request form (165 KB)</p>
SDC description report	Not Available. Please refer to our Further Information on SD-Tool
Host Parties	<p>Cambodia , involved indirectly  approval (263 KB)  authorization (263 KB)</p> <p>Authorized Participants: Angkor Bio Cogen Co., Ltd.</p>
Other Parties Involved	<p>Japan , involved indirectly  approval (291 KB)  authorization (291 KB)</p> <p>Authorized Participants: Mitsubishi UFJ Morgan Stanley Securities Co., Ltd. (withdrawn)</p> <hr/> <p>Sweden , involved directly  approval (778 KB)  authorization (778 KB)</p> <p>Authorized Participants: Asian Development Bank as Trustee of the Future Carbon Fund; Swedish Energy Agency</p>
Sectoral scopes	<p>1 : Energy industries (renewable - / non-renewable sources)</p> <p>13 : Waste handling and disposal</p> <p>15 : Agriculture</p>
Activity Scale	SMALL
Methodologies Used	<p>AMS-I.A. ver. 7 - Electricity generation by the user</p> <p>AMS-III.E. ver. 7 - Avoidance of methane production from biomass decay through controlled combustion</p> <p>AMS-I.D. ver. 18 - Grid connected renewable electricity generation</p>
Standardized baselines used	N/A
Amount of Reductions	51,620 metric tonnes CO2 equivalent per annum







3.3 CDM Information

Project: 0363 Angkor Bio Cogen Rice Husk Power Project - Issuance Request

Project	0363: Angkor Bio Cogen Rice Husk Power Project
ISSUANCE STATUS	Issued (on 17 Jul 14) completeness check: complete info & rep check: concluded
Monitoring period	20 Apr 11 - 31 May 12
Monitoring report	 Monitoring report (412 KB)
	<i>Note:</i> Issuance request(s) for this monitoring period have been previously considered: - Status: Withdrawn (Request for review period: 21 Jun 13 - 18 Jul 13)
Request for issuance	 Signed form (113 KB)
Amount of CERs	CERs issued up to 31 December 2012: 3,753 Serial Range: Block start: KH-5-21843-1-1-0-363 Block end: KH-5-25595-1-1-0-363
Verification and certification reports	VVS/VVM version: VVS 5.0  Certification report (420 KB)  Verification report (420 KB)
Additional documents	 ABC MR after PRC 25032014 (385 KB) Angkor ER Calculation 1st Verification (161 KB)







3.4 CDM Information

Project: 0363 Angkor Bio Cogen Rice Husk Power Project - Issuance Request

Project	0363: Angkor Bio Cogen Rice Husk Power Project
ISSUANCE STATUS	Issued (on 25 Mar 15) completeness check: complete info & rep check: concluded
Monitoring period	01 Jun 12 - 31 Dec 12
Monitoring report	 Monitoring report (404 KB)
Requests for post-registration changes containing applicable deviations	PRC-0363-003 - Approved
Request for issuance	 Signed form (121 KB)
Amount of CERs	CERs issued up to 31 December 2012: 937 Serial Range: Block start: KH-5-25596-1-1-0-363 Block end: KH-5-26532-1-1-0-363
Verification and certification reports	VVS/VVM version: VVS 7.0  Certification report (389 KB)  Verification report (389 KB)
Additional documents	 ABC MR v1.4- 04112014 clean (318 KB)  Angkor Emission Reduction Calculation 2nd Verification (01062012-31122012) v 1 3 (136 KB)

3. CDM Information

Project: 0363 Angkor Bio Cogen Rice Husk Power Project - Issuance Request

Project	0363: Angkor Bio Cogen Rice Husk Power Project
ISSUANCE STATUS	Issued (on 23 Sep 16) info & rep check: concluded
Monitoring period	01 Jan 13 - 31 Jul 15
Monitoring report	 Monitoring report (555 KB)
Requests for post-registration changes containing applicable deviations	PRC-0363-003 - Approved
Request for issuance	 Signed form (1528 KB)
Amount of CERs	CERs issued from 01 Jan 2013: 27,859 Serial Range: Block start: KH-5-67218-2-2-0-363 Block end: KH-5-95076-2-2-0-363
Verification and certification reports	VVS/VVM version: VVS 9.0  Certification report (931 KB)  Verification report (931 KB)
Additional documents	 0363 ABC MR Ver 1.3 (561 KB)  0363 ABC ER Spread Sheet (200 KB)

3.5 CDM Information

Comparison of actual CERs and ex-ante calculated CERs in the PDD during monitoring period

PDD	=	51,620	tonnes per year
	=	133,504	tonnes per monitoring period (01/01/2013 – 31/07/2015), 944 days
Actual*	=	27,859	tonnes per monitoring period (01/01/2013 – 31/07/2015)

Thank you

- Adisorn Chieu
- Adisorn.chieu@gmail.com