




**Validation report form for post-registration changes for
CDM programme of activities
(Version 02.0)**

Complete this form in accordance with the instructions attached at the end of this form.

BASIC INFORMATION

Title and UNFCCC reference number of the programme of activities (PoA)	Co-composting and Composting Program of Activities for Palm Oil Mills in Indonesia (6511)
Process track	<input type="checkbox"/> Prior approval <input checked="" type="checkbox"/> Issuance <input type="checkbox"/> Renewal of PoA
Version number of the validation report on PoA PRCs	1.0
Completion date of the validation report on PoA PRCs	01/11/2018
Version number of PoA-DD applicable to this validation report	04
Type(s) of PoA PRCs	<input type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines <input checked="" type="checkbox"/> Corrections <input type="checkbox"/> Inclusion of monitoring plan <input type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other applied standards or tools <input type="checkbox"/> Changes to the programme design <input type="checkbox"/> Changes specific to afforestation and reforestation activities
Coordinating/managing entity	PT Socfin Indonesia
Host Parties	Indonesia
Applied methodologies and standardized baselines	AMS-III.F version 10 Avoidance of methane emissions through composting
Mandatory sectoral scopes linked to the applied methodologies	13
Conditional sectoral scopes linked to the applied methodologies, if applicable	--
Name and UNFCCC reference number of the DOE	TÜV SÜD South Asia Private Limited (E-0005)
Name, position and signature of the approver of the validation report on PoA PRCs	

	Milind Shende Manager- Certification Body TUV SUD South Asia Pvt Ltd
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SECTION A. Executive summary

TÜV SÜD South Asia Pvt. Ltd. has performed the first verification of the aforementioned CDM PoA. The verification is based on the currently valid documentation of the United Nations Framework Convention on Climate Change (UNFCCC).

The verification process includes three phases:

- Desk review of documents;
- On-site audit and follow-up interviews with the relevant personnel;
- Resolution of outstanding issues
- Issuance of final verification report and opinion.

The “Co-composting and Composting Program of Activities for Palm Oil Mills in Indonesia” includes small-scale project activities that conduct aerobic decomposition of:

- solid empty fruit branches (EFB); and/or
- liquid Palm Oil Mill Effluent (POME).

POME and EFB which are the major organic waste streams generated from Mills during the process of extracting Crude Palm Oil from Fresh Fruit Branches (FFB). The output of the composting / co-composting process will be organic compost which can be recycled back onto the Mill's palm plantation or onto other neighboring plantations.

The Component project activity (CPA) is located at PT. Socfin Indonesia's Bangun Bandar crude palm oil mill in Serdang Bedagai regency, North Sumatra province, Indonesia. The project has geographical coordinates of 98°57'58.70" - 99°4'36.33" E and 3°16'24.46" - 3°20'32.54" N.

PT Socfin Indonesia is the current Coordinating and Managing Entity (CME) for the PoA. Previously the CME was PT. Carbon Agro Indo and the change of the CME has been approved by the Republic of Indonesia Designated National Authority on 23/07/2018.

SECTION B. Validation team, technical reviewer and approver**B.1. Validation team member**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Validation findings
1.	Team Leader Validator and Technical Expert	IR	Murty	Eswar	TUV SUD South Asia	✓	✓	✓	✓

B.2. Technical reviewer and approver of the validation report on PoA PRCs

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical Reviewer	EI	Meesa	Srikanth	TUV SUD South Asia
2	Approver	IR	Shende	Milind	TUV SUD South Asia

SECTION C. Means of validation**C.1. Document review**

The information presented in the PoA-DD has been assessed for the Post Registration Changes. PT Socfin Indonesia is the current Coordinating and Managing Entity (CME) for the PoA. Previously the CME was PT. Carbon Agro Indo and the change of the CME has been approved by the Republic of Indonesia Designated National Authority on 23/07/2018.

A complete list of all documents reviewed for the post registration changes is attached as Appendix 3 to this report.

C.2. On-site inspection

Duration of on-site inspection: 13/09/2014-14/09/2014				
No.	Activity performed on-site	Site location	Date	Team member
1.	Validation of Post registration changes in the PoA	Plant Office	13/09/2018	Eswar Murty

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Situmorang	Dasit	PT Socfin Indonesia	13/09/2018-14/09/2018	Post registration changes	Eswar Murty
2	Enthoven	Cedric	PT Socfin Indonesia	13/09/2018-14/09/2018	Post registration changes	Eswar Murty
3	Harding	Mark	Consultant	13/09/2018-14/09/2018	Post registration changes	Eswar Murty

C.4. Clarification requests, corrective action requests and forward action requests raised

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PoA-DD form	0	0	0
Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines	0	0	0
Corrections	0	0	0
Inclusion of monitoring plan	0	0	0
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other applied standards or tools	0	0	0

Changes to the programme design	0	0	0
Changes specific to afforestation and reforestation activities	0	0	0
Others (please specify)	0	0	0
Total	0	0	0

SECTION D. Validation findings

D.1. Compliance with the PoA-DD form

Means of validation	NA
Findings	NA
Conclusion	NA

D.2. Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines

Means of validation	NA
Findings	NA
Conclusion	NA

D.3. Corrections

Means of validation	PT Socfin Indonesia is the current Coordinating and Managing Entity (CME) for the PoA. Previously the CME was PT. Carbon Agro Indo and the change of the CME has been approved by the Republic of Indonesia Designated National Authority on 23/07/2018. The DOE has verified the following documents with regard to the change of CME for the PoA. <ol style="list-style-type: none"> 1. CDM-CME Form which has been signed by the current CME PT Socfin Indonesia on 05/07/2018 2. Revised MoC Form signed by PT Socfin Indonesia dated 05/07/2018 3. Letter from the Ministry of Environment and Forestry, Republic of Indonesia dated 23/07/2018 confirming the change of CME to PT Socfin Indonesia.
Findings	No CAR/CL has been raised.
Conclusion	The DOE thus confirms the change of CME from PT Carbon Agro to PT Socfin Indonesia in accordance with the CDM VVS PoA v1.0.

D.4. Inclusion of monitoring plan

Means of validation	NA
Findings	NA
Conclusion	NA

D.5. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other applied standards or tools

Means of validation	NA
Findings	NA
Conclusion	NA

D.6. Changes to the programme design

Means of validation	NA
Findings	NA
Conclusion	NA

D.7. Changes specific to afforestation and reforestation activities

Means of validation	NA
Findings	NA
Conclusion	NA

SECTION E. Internal quality control

Internal quality control within the team is assured by means of a technical review process that takes place after the on-site assessment and after closure of findings. The internal quality control in the verification process is given by the final decision (Validation Opinion on PRC) made by the CB “Environment and Energy”.

SECTION F. Validation opinion

TÜV SÜD has performed a validation of the post registration changes along with request for renewal for issuance of the aforementioned CDM programme of activity. Standard auditing techniques have been used for the validation process. The validation has been performed following the requirements of the latest version of the CDM VVS for PoA version 1.0.

The review of the project design documentation, subsequent follow-up interviews, and further verification and validation of references have provided TÜV SÜD with sufficient evidence to determine the post registration changes with respect to the change in the CME.

The single purpose of this report is its use during the post registration process as part of the CDM project cycle. Based on the work described in this report, nothing has come to our attention that causes us to believe that any project component or issue has not been covered by the validation process.

Appendix 1. Abbreviations

Abbreviations	Full texts
ABC	Aerated Bunker Composting
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM-EB	CDM Executive Board
CER	Certified Emission Reduction
CME	Coordinating and Managing Entity
CMP	Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol
CPA	Component Project Activity
CO₂e	Carbon dioxide equivalent
COD	Chemical Oxygen Demand
CR / CL	Clarification Request
DNA	Designated National Authority
DOE	Designated Operational Entity
EF	Emission Factor
EFB	Empty Fruit Bunches
ER	Emission Reduction
FAR	Forward Action Request
FFB	Fresh Fruit Bunches
GHG	Greenhouse Gas(es)
GWP	Global Warming Potential
KP	Kyoto Protocol
MP	Monitoring Plan
MR	Monitoring Report
NCV	Net Calorific Value
PoA	Programme of Activities
POME	Palm Oil Mill Effluent
PCP	Project Cycle Procedure
PP	Project Participant
PS	Project Standard
TÜV SÜD	TÜV SÜD South Asia Pvt. Ltd
UNFCCC	United Nations Framework Convention on Climate Change
VVS PoA	Clean Development Mechanism Validation And Verification Standard for Programme of Activities

Appendix 2. Competence of team members and technical reviewers



South Asia

CERTIFICATE OF APPOINTMENT

Mr. Murty, Eswar fulfills the requirements of the Certification Body 'Environment and Energy' of TÜV SÜD South Asia Pvt Ltd to participate in audits.

Qualification applicable to					
Standard	CDM	GS	VCS	ISO-14064-1: 2006	Other
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Qualification as						
Status	Validator	Verifier	ATL	Technical Reviewer	Financial Expert	Technical Expert
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TA (s)	1.1, 1.2, 3.1, 4.1, 13.1					

Country Expertise						
Region	1	2	3	4	5	Other
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Further countries						

Technical Area
1.1_Thermal Energy Generation
1.2_Renewables
3.1_Energy demand
4.1_Cement and lime production
13.1_Solid waste and wastewater

This appointment is valid until 31.05.2019 and is bound by internal requirements of the Certification Body 'Environment and Energy' of TÜV SÜD South Asia Pvt Ltd.

In case of loss of validity of this certificate as per result of an assessment according to internal procedures or due to any other reason, it will be properly communicated to you.

Your Certificate has the internal reference no. CB-IND-CCP-0031/009.

Date	Signature
01/06/2018	

IS-CMS-CB-POG-01/05, version 03

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South Asia

CERTIFICATE OF APPOINTMENT

Mr. Meesa, Srikanth fulfills the requirements of the Certification Body 'Environment and Energy' of TÜV SÜD South Asia Pvt Ltd to participate in audits.

Qualification applicable to					
Standard	CDM	GS	VCS	ISO-14064-1: 2006	Other
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Qualification as						
Status	Validator	Verifier	ATL	Technical Reviewer	Financial Expert	Technical Expert
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TA (s)	1.2, 3.1, 7.1, 13.1					

Country Expertise						
Region	1	2	3	4	5	Other
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Further countries						

Technical Area
1.2_Renewables
3.1_Energy demand
7.1_Transport
13.1_Solid waste and wastewater

This appointment is valid until 31.05.2019 and is bound by internal requirements of the Certification Body 'Environment and Energy' of TÜV SÜD South Asia Pvt Ltd.

In case of loss of validity of this certificate as per result of an assessment according to internal procedures or due to any other reason, it will be properly communicated to you.

Your Certificate has the internal reference no. CB-IND-CCP-0096/005.

Date	Signature
01/03/2018	

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Appendix 3. Documents reviewed or referenced

No	Author	Title	References to the document	Provider
1	UNFCCC	PoA 6511: Co-composting and Composting Program of Activities for Palm Oil Mills in Indonesia https://cdm.unfccc.int/ProgrammeOfActivities/poa_db/ZV1ADIJS9HUN23MTX6ELGK7PW4OFQ5/vi ew	---	UNFCCC
2	UNFCCC	CPA 6511-0001: Socfindo EFB plus POME Co-composting Project (CPA No. 001) https://cdm.unfccc.int/ProgrammeOfActivities/cpa_db/RXNSBU81OYHK0FZV435TEQAWDM9ICJ/vi ew	---	UNFCCC
3	UNFCCC	AMS-III.F.: Avoidance of methane emissions through composting --- Version 10.0		UNFCCC
4	PT Socfin Indonesia	Published Monitoring report. Version 02	08/08/2018	PT Socfin Indonesia
5	PT Socfin Indonesia	Monitoring report. Version 05	11/11/2018	PT Socfin Indonesia
6	PT Socfin Indonesia	ER calculation spreadsheets Version 03	11/11/2018	PT Socfin Indonesia
7	PT Carbon Agro	Registered PoA DD Version 03	17/01/2012	PT carbon Agro
8	PT Socfin Indonesia	Revised PoA-DD Version 04	27/09/2018	PT Socfin Indonesia
9	PT Socfin Indonesia	Communication for change of CME from PT Carbon Agro to PT Socfin Indonesia	05/07/2018	PT Socfin Indonesia
10	Ministry of Environment and Forestry, Indonesia	Approval for change of CME	23/07/2018	PT Socfin Indonesia
11	PT Socfin Indonesia	Revised MoC	05/07/2018	PT Socfin Indonesia
12	UNFCCC	CDM Validation and Verification standard for Program of Activities Version 1.0	---	UNFCCC

Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CLs from this validation
NA

Table 2. CARs from this validation
NA

Table 3. FARs from this validation
NA