



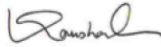
**Validation report form for post-registration changes for
CDM programme of activities
(Version 03.0)**

BASIC INFORMATION

Title and UNFCCC reference number of the programme of activities (PoA)	Title: Recovery and Avoidance of Methane from Industrial Wastewater Treatment Projects UNFCCC Ref No: PoA 7864
Process track	<input checked="" type="checkbox"/> Prior approval <input type="checkbox"/> Issuance <input type="checkbox"/> Renewal of PoA period
Version number of the validation report	01.2
Completion date of the validation report	27/10/2020
Version number of PoA-DD applicable to this validation report	15
Type(s) of PoA PRCs	<input 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 methodological regulatory documents ¹ <input checked="" type="checkbox"/> Changes to the programme design <input type="checkbox"/> Addition of CPA inclusion template <input type="checkbox"/> Change of coordinating/managing entity <input type="checkbox"/> Changes specific to afforestation and reforestation activities
Coordinating/managing entity (CME)	PT. Knowledge Integration Services (Indonesia)
Host Parties	Indonesia
Applied methodologies and standardized baselines	AMS-III.H. ver. 18 - Methane recovery in wastewater treatment
Mandatory sectoral scopes	Sectoral Scope 13: Waste handling and disposal
Conditional sectoral scopes, if applicable	N/A
Name and UNFCCC reference number of the DOE	Name: KBS Certification Services Pvt. Ltd. UNFCCC Reference Number: E-0051

¹ Other standards, methodologies, methodological tools and guidelines (to be) applied in accordance with the applied(selected) methodologies are collectively referred to as the other (applied) methodological regulatory documents).

Name, position and signature of the approver
of the validation report



Kaushal Goyal
Managing Director
KBS Certification Services Pvt. Ltd.

SECTION A. Executive summary

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The purpose of this PoA, through implementation of several CPAs will be to recover the biogas generated from industrial wastewater and thus avoid GHG emissions. The decomposition of organic content in the industrial wastewater treatment processes generates biogas (i.e. methane), which is a potent greenhouse gas (GHG), and would have otherwise been emitted into the atmosphere. The recovered biogas might be fully or partially flared; if partially flared, the balance would be utilized for energy generating, for instance heat/steam generation in a burner or boiler or electricity generation in an engine. Hence, if this methane is allowed to escape into the atmosphere, it will result in increased GHG emissions. However, no CERs will be claimed under this PoA from use of recovered biogas (i.e. type I project activities).

In the absence of the PoA/CPAs, the POME will be treated in open anaerobic lagoons. Decomposition of the organic compound in the POME produces biogas (i.e. methane gas) which under the baseline scenario (i.e. open anaerobic lagoons) would have been emitted to the atmosphere. The PoA involves introduction of anaerobic tanks (also referred to as anaerobic digesters) for anaerobic wastewater treatment and recovery of biogas. Hence, the purpose of the CPA under the PoA is to recover the methane gas generated from anaerobic wastewater treatment in the palm oil mill.

KBS has been contracted by “PT. Knowledge Integration Services (Indonesia)” to perform validation of the “*Post Registration Changes*” from the registered PoA-DD /2/ of the CDM PoA “Recovery and Avoidance of Methane from Industrial Wastewater Treatment Projects” and UNFCCC Project Reference No. 7864 /2/3/, according to the procedure detailed in CDM PS for programme of activities (version 02.0) /7/ and CDM PCP for programme of activities (version 02.0) /8/ and its amendments. The purpose of validation is to have an independent third party assessment of the project design from the registered PoA-DD/2/.

The following change in project design from the registered PoA-DD has been proposed:

As per the registered PoA-DD/2/ the technologies eligible under the programme are “*Wastewater treatment by anaerobic digestion using anaerobic tank based technologies/system and recovery of biogas*”. CME has included the technology anaerobic covered lagoon in addition to anaerobic tank based technologies.

Validation team confirms that the proposed PRC in the revised PoA-DD /1/ is in compliance with the applicable requirements of the CDM VVS for PoAs (version 02.0) and CDM Project Standard for PoAs (version 02.0). The changes have been accepted by the assessment team. Hence in line with the requirements of the CDM VVS for PoAs (version 02.0), the validation opinion is being submitted for the post-registration changes in the PoA.

SECTION B. Validation team, technical reviewer and approver

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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			
						Document review	On-site inspection	Interviews	Validation findings
1.	Team Leader and Technical Expert (TA 13.1)	IR	Kandari	Sanjay	Central Office	✓	-	✓	✓
2.	Validator	IR	Sharma	Shikha	Central Office	✓	-	✓	✓

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	IR	Badaya	Rohit	Central Office
4.	Manager Technical & Certification	IR	Nanda	Dr. Madhuri	Central Office
5.	Authorizer	IR	Goyal	Kaushal	Central Office

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

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The validation is performed primarily as a document review of the registered PoA-DD. The cross checks between information provided in the PoA-DD and information from sources other than those used, if available, the validation team's sectoral or local expertise and, if necessary, independent background investigations. The validation is seen as necessary to provide assurance to stakeholders of the quality of the project and its intended generation of certified emission reduction (CER). UNFCCC criteria refer to the Kyoto Protocol criteria and the CDM rules and modalities and related decisions by the COP/MOP and the CDM Executive Board

The list of all documents/evidences reviewed is referenced for the purpose of this validation is included under Appendix 3 of this report.

C.2. On-site inspection

A complete desk review of the submitted revised PoA-DD/1/, as well as all applicable country legal requirement and supportive evidences have been checked by the validation team.

In addition, validation team has conducted electronic calls/meetings with CME and Carbon consultant, in order to confirm on the post-registration changes in the PoA as well as request for supportive evidence. Based on the interview and the desk review of the supportive documents, validation team has found that the changes in the PoA-DD are in line with the VVS for PoA, version 02 /6/.

Based on the calls, PoA document review, as well as the review of UNFCCC procedures and guidelines, KBS Validation team has proceeded to skip the site visit. As per para 184 of CDM validation and verification standard for programmes of activities version 02, Validation team has used the following alternative means for its assessment and to justify that they are sufficient for the purpose of validation.

- By review of PoA documents;
- By taking follow up actions by conducting interviews with the new CME via telephonic call, skype meeting and e-mail communication. Cross-checked evaluation under the scope of all information and references provided in PoA-DD and supporting documents. Details of interviewees, topics covered and additional information presented in the below section "C.3 Interviews"

Validation team has also checked the site visit requirements mentioned in the VVS for PoA Version 02/6/ and concluded that no-site visit is required at this stage. The justification for the site visit requirements of VVS PoA Version 02/6/ have been mentioned below.

VVS PoA Version 02 Requirements	Validation team Justification
Para 29 (b) (b) Follow-up actions (e.g. on-site inspection and telephone or e-mail interviews), including: (i) Interviews with relevant stakeholders in the host country, such as personnel with knowledge of the PoA design and implementation; (ii) Cross checks between the information provided by interviewed personnel (i.e. by checking sources or other interviews) to ensure that no relevant information has been omitted;	Validation team has done the follow-up actions by: 1. Telephonic call, Skype meeting and E-mail interviews of CME, Carbon consultant. More information on the topic of discussions have been provided in Section C.3 of the Report. 2. Cross checks between information provided by interviewed personnel (i.e. by checking sources or other interviews) to ensure that no relevant information has been omitted.
Para 183 It is mandatory for the DOE to conduct an on-site inspection at validation for the proposed CPA if: (a) Its estimated annual average of GHG emission reductions or net anthropogenic GHG removals is more than 100,000 t CO ₂ eq; or (b) There is pre-project information that is relevant to the requirements for inclusion of the CPA and may not be traceable after the inclusion.	The proposed validation is the validation of the post-registration changes in the registered PoA and hence the paragraph 183 is not applicable to the current validation. Hence the validation team has not considered the site visit as mandatory in line with the VVS PoA Version 02 Requirements.

Duration of on-site inspection: DD/MM/YYYY to DD/MM/YYYY				
No.	Activity performed on-site	Site location	Date	Team member
1.				
...				

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Raghunath	K R	Managing Director, KIS Group (CME)	21/10/2020	Changes in the programme design	Sanjay Kandari (Telephonic, Skype and Email interviews)
2.	Chand	Phool	PA Research & Consultants (CDM Consultant)			
3.	Amarnath	K	Sr. Manager (Process & Projects) GlobalKIS Group (CME)			

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	-	-	-
Corrections	-	-	-
Inclusion of monitoring plan	-	-	-
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other methodological regulatory documents	-	-	-
Changes to the programme design	01	-	-
Addition of CPA inclusion template	-	-	-
Change of coordinating/managing entity	-	-	-
Changes specific to afforestation and reforestation activities	-	-	-
Others (I&R check comments by UNFCCC)	-	-	-
Total	01	00	00

SECTION D. Validation findings**D.1. Compliance with the PoA-DD form**

Means of validation	The validation team reviewed the PoA-DD/1/ that was provided by CME as part of proposed PRC and compared them with the current valid templates/form for PoA-DD/2/ as available at UNFCCC website and found that these were consistent.
Findings	No findings raised
Conclusion	The validation team confirms that the proposed post registration changes as included in the revised PoA-DD/1/ were presented by using the registered PoA-DD/2/ and inline with the latest valid version of CDM-PoA-DD-FORM/13/ and is in compliance with the instructions contained therein. The CME has used the latest version of registered PoA-DD available on the UN website, which also uses the latest valid version of CDM-PoA-DD-FORM/13/

	template available on the UN website.
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D.2. Corrections

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

D.3. Inclusion of monitoring plan

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

D.4. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other methodological regulatory documents

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

D.5. Changes to the programme design

Means of validation	<p>The changes in the programme design is summarized as follows by the CME: The registered PoA DD/2/ has stated that eligible project component under PoA are greenfield or existing wastewater treatment project without methane recovery to be replaced with anaerobic digester based technology equipped with methane recovery. As per registered PoA DD/2/ the technology to be employed is tank based digester equipped with methane recovery.</p> <p>As per option, available anaerobic digestion methods are above ground tank based digester and ground based tank with cover to capture methane (also called covered lagoon). The registered PoA DD/2/ mentions the technology to be employed as tank based digester, the CME wants to also include the covered lagoon as well which falls under same technology in line with para 167(b) i.e. the covered lagoon (ground based tank with cover) and tank digester are similar technology as produces same output with similar course of action.</p> <p>Hence, the proposed change/inclusion of definition of technology to be employed fall under project design change is in line with para 238(g) of CDM PS for PoAs version 2 as well as para 238 (e).</p> <p>Validation team would like to confirm that the programme design change complies with para 238(g) of CDM PS for PoAs, version 2 as well as para 238 (e):</p> <table border="1" data-bbox="443 1070 1402 2045"> <thead> <tr> <th data-bbox="451 1081 922 1104">Requirements of CDM PS for PoAs</th><th data-bbox="930 1081 1394 1104">Validation by validation Team</th></tr> </thead> <tbody> <tr> <td data-bbox="451 1115 922 2045"> <p>Para 238 (g) states the the design changes allowed are as:</p> <p><i>Changes to the technologies/measures that result in the same technologies/measures as in the registered technologies/measures as per the definition of "the same technologies" in paragraph 167(b) above:</i></p> <p>Para 167 (b) further states:</p> <p>Technology: equipment or conversion process used for the production of goods or provision of services. Two different project activities/CPAs are considered to be using the same technology(ies) if they: (i) Provide the same kind of output and use the same kind of equipment and conversion process; or</p> <p>Undertake the same course of action that results in the same kind of effect (e.g. two projects using the same management practice such as fuel</p> </td><td data-bbox="930 1115 1394 2045"> <p>Validation team confirms that the technology/measure applied/eligible under the registered PoA DD ie. tank based digester and the new technology proposed covered lagoon (ground based tank with cover) provide the same kind of output i.e. methane and use the same conversion process i.e. anaerobic digestion of waste water using a same measure i.e. waste water treatment. Therefore, validation team confirms that the changes proposed by the CME complies with CDM PS for PoAs /8/.</p> <p>CME has added the reference of new technology/measure in all relevant section of PoA DD/1/. Both track changed and clean version of PoA DDs have been submitted to validation team and validation team confirms that the changes are in line with the CDM PS for PoAs /8/.</p> <p>Validation team would also like to confirm the the extension of technology also complies para 275 of</p> </td></tr> </tbody> </table>	Requirements of CDM PS for PoAs	Validation by validation Team	<p>Para 238 (g) states the the design changes allowed are as:</p> <p><i>Changes to the technologies/measures that result in the same technologies/measures as in the registered technologies/measures as per the definition of "the same technologies" in paragraph 167(b) above:</i></p> <p>Para 167 (b) further states:</p> <p>Technology: equipment or conversion process used for the production of goods or provision of services. Two different project activities/CPAs are considered to be using the same technology(ies) if they: (i) Provide the same kind of output and use the same kind of equipment and conversion process; or</p> <p>Undertake the same course of action that results in the same kind of effect (e.g. two projects using the same management practice such as fuel</p>	<p>Validation team confirms that the technology/measure applied/eligible under the registered PoA DD ie. tank based digester and the new technology proposed covered lagoon (ground based tank with cover) provide the same kind of output i.e. methane and use the same conversion process i.e. anaerobic digestion of waste water using a same measure i.e. waste water treatment. Therefore, validation team confirms that the changes proposed by the CME complies with CDM PS for PoAs /8/.</p> <p>CME has added the reference of new technology/measure in all relevant section of PoA DD/1/. Both track changed and clean version of PoA DDs have been submitted to validation team and validation team confirms that the changes are in line with the CDM PS for PoAs /8/.</p> <p>Validation team would also like to confirm the the extension of technology also complies para 275 of</p>
Requirements of CDM PS for PoAs	Validation by validation Team				
<p>Para 238 (g) states the the design changes allowed are as:</p> <p><i>Changes to the technologies/measures that result in the same technologies/measures as in the registered technologies/measures as per the definition of "the same technologies" in paragraph 167(b) above:</i></p> <p>Para 167 (b) further states:</p> <p>Technology: equipment or conversion process used for the production of goods or provision of services. Two different project activities/CPAs are considered to be using the same technology(ies) if they: (i) Provide the same kind of output and use the same kind of equipment and conversion process; or</p> <p>Undertake the same course of action that results in the same kind of effect (e.g. two projects using the same management practice such as fuel</p>	<p>Validation team confirms that the technology/measure applied/eligible under the registered PoA DD ie. tank based digester and the new technology proposed covered lagoon (ground based tank with cover) provide the same kind of output i.e. methane and use the same conversion process i.e. anaerobic digestion of waste water using a same measure i.e. waste water treatment. Therefore, validation team confirms that the changes proposed by the CME complies with CDM PS for PoAs /8/.</p> <p>CME has added the reference of new technology/measure in all relevant section of PoA DD/1/. Both track changed and clean version of PoA DDs have been submitted to validation team and validation team confirms that the changes are in line with the CDM PS for PoAs /8/.</p> <p>Validation team would also like to confirm the the extension of technology also complies para 275 of</p>				

	<p>switching);</p> <p>Para 238 (e) states:</p> <p>Addition of new components or extension/addition of technologies/measures that introduce complementary technologies/measures involving mass and/or energy transfer to/from the original technologies/measures described in the registered PoA-DD</p>	<p>CDM VVS for PoAs version 02/6/ which corresponds to para 238 (e) of CDM PS for PoAs, version 02.</p> <p><i>'If the registered CDM PoA has been amended to add new components or extend/add technologies/measures, the DOE shall assess and confirm that the change introduces complementary technologies/measures involving mass and/or energy transfer to/from the original technologies/measures'</i></p> <p>As validated above, new technology covered lagoon (ground based tank with cover) uses the same measure i.e. Waste water treatment and involves the same mass transfer that was in the original technology i.e waste water with same effluent (i.e POME).</p> <p>Moreover, the proposed technology under programme is not a baseline in host country, the baseline was recently updated by CME during the RCP of PoA, it was confirmed by reviewing the recently registered PoA DD dated 17/10/2020 /2/, validation report of RCP/3/ and further based on the local and sectoral expertise that covered lagoon is not a baseline in Indonesia.</p>
Findings	CL#01 was raised and closed satisfactorily. Please refer to Appendix 4 for further details.	
Conclusion	<p>The DOE confirms the following:</p> <ul style="list-style-type: none"> • The proposed or actual changes comply with the relevant requirements in the Project standard/7/ related to changes to the registered CDM programme design of a registered CDM PoA. • The proposed revisions comply with the applied methodology/5/ and applied tools. • The additionality and the scale of the PoA will not be affected by the changes. • All the changes have been clearly stated in the appropriate sections in the revised PoA DD/1/. • It is confirmed that the proposed technology under programme is not a baseline in host country, the baseline is recently updated by CME during the RCP of PoA, it was confirmed by reviewing the recently registered PoA DD/2/, validation report of RCP/3/ and further based on the local and sectoral expertise that covered lagoon with biogas recovery is not a baseline in Indonesia. 	

D.6. Addition of CPA inclusion template

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

D.7. Change of coordinating/managing entity

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

D.8. Changes specific to afforestation and reforestation activities

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

SECTION E. Internal quality control

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Following the completion of the assessment process and a recommendation by the assessment team, the validation opinion prepared by Team Leader is independently reviewed by internal Technical Reviewer. TR reviews if all the KBS procedures have been followed and all conclusions are justified in accordance with applicable standards, procedures, guidance and CDM decisions. The TR either is qualified for the technical area within the CDM sectoral scope(s) applicable to PoA or is supported by qualified independent technical expert at this stage.

The Technical Reviewer will either accept or reject the recommendation made by the assessment team. The findings can be raised at this stage and CME must resolve them within agreed timeline.

The opinion recommended by Technical Reviewer will be confirmed by Manager Technical & Certification and finally authorized by the Managing Director on behalf of KBS as final validation opinion. The Technical Reviewer and Manager T&C may be same person.

SECTION F. Validation opinion

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KBS Certification Services Pvt. Ltd. has been contracted by "PT. Knowledge Integration Services (Indonesia)" to perform a validation of the post-registration changes of the PoA 7864:

PoA title: Recovery and Avoidance of Methane from Industrial Wastewater Treatment Projects

Host Countries: Indonesia

The validation was performed in accordance with the UNFCCC criteria for the Clean Development Mechanism, CDM VVS for project activities, V02.0 and its amendments and related Standards/Guidance and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting. The report is based on the assessment of the revised PoA-DD undertaken through application of standard auditing techniques including but not limited to desk review, follow up actions (e.g., electronic (telephone or e-mail) interviews) and also the review of the applicable approved methodological and relevant tools, guidance's and CDM decisions.

The proposed PRC involves changes to the programme design in the registered PoA-DD/2/. The change in the revised PoA-DD /1/ complies with the VVS, PCP and PS for PoA, version 02 and amendments. The description in the revised PoA-DD/1/ meets all relevant UNFCCC requirements for the CDM. The validation team confirms that the implementation of the post registration changes is in line with the relevant CDM rules/requirements and all other applicable tools and guidance.

Appendix 1. Abbreviations

Abbreviations	Full texts
AMS	Approved Methodology for small-scale
BE	Baseline Emissions
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification request
COP	Conference of Parties
CPA	Component Project Activity
CME	Coordinating/Managing Entity
DD	Design Document
DNA	Designated National Authority
DOE	Designated Operational Entity
DR	Document Review
EB	Executive Board
EF	Emission Factor
EIA	Environmental Impact Assessment
ERs	Emission Reductions
FAR	Forward Action Request
GHG	Greenhouse gas(es)
HCA	Host Country Approval
IPCC	Intergovernmental Panel on Climate Change
KP	Kyoto Protocol
LE	Leakage Emissions
LoA	Letter of Approval/Authorization
ICS	Improved Cook Stoves
IPCC	Intergovernmental Panel on Climate Change
MOP	Meeting of Parties
MoC	Modalities of Communication
MoV	Means of Verification
MP	Monitoring Plan
NEMA	National Environment Management Authority
NRB	Non-Renewable Biomass
ODA	Official Development Assistance
PoA	Programme of Activities
PE	PoA Emissions
PS	Project Standard for the PoA
QA/QC	Quality Assurance/Quality Control
RB	Renewable Biomass
T&C	Technical & Certification
UNDP	United Nations Development Programme
UNFCCC	United Nations Framework Convention on Climate Change
VVS for PoA	Validation & Verification Standard for PoA

Appendix 2. Competence of team members and technical reviewers

Personnel Name:		Sanjay Kandari	
Qualified to work as:			
Team Leader	<input checked="" type="checkbox"/>	Technical Expert	<input checked="" type="checkbox"/>
Validator/Verifier	<input checked="" type="checkbox"/>	Financial Expert	<input checked="" type="checkbox"/>
Technical Reviewer	<input checked="" type="checkbox"/>	Local Expert (India)	<input checked="" type="checkbox"/>
Area(s) of Technical Expertise			
Sectoral Scope	Technical Area		
Energy Industries (renewable/non-renewable sources)	TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar		
Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources		
Energy demand	TA 3.1. Energy Demand		
Waste Handling and Disposal	TA 13.1 Waste Handling and Disposal TA 13.2 Manure		
Approved by (Manager C & T)	Akhilesh Joshi		
Approval date:	11/12/2015		

Personnel Name:		Rohit Badaya	
Qualified to work as:			
Team Leader	<input checked="" type="checkbox"/>	Technical Expert	<input checked="" type="checkbox"/>
Validator/Verifier	<input checked="" type="checkbox"/>	Financial Expert	<input checked="" type="checkbox"/>
Technical Reviewer	<input checked="" type="checkbox"/>	Local Expert (India)	<input checked="" type="checkbox"/>
Area(s) of Technical Expertise			
Sectoral Scope	Technical Area		
Energy industries (renewable/non-renewable sources)	TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar		
	TA 1.2: Energy generation from renewable energy sources		
Energy distribution	TA 2.1: Energy distribution		
Energy demand	TA 3.1. Energy Demand		
Waste Handling and Disposal	TA 13.1 Solid waste and wastewater TA 13.2 Manure		
Approved By	Manager Competency & Training		
Approval date:	29/12/2018		

Personnel Name:		Ms. Shikha Sharma	
Qualified to work as:			
Team Leader	<input type="checkbox"/>	Technical Expert	<input type="checkbox"/>

Validator/Verifier	<input checked="" type="checkbox"/>	Financial Expert	<input type="checkbox"/>
Technical Reviewer	<input type="checkbox"/>	Local Expert	<input type="checkbox"/>
Area(s) of Technical Expertise			
Sectoral Scope	Technical Area		
-	-		
Approved by (Manager C & T)	Sanjay Kandari		
Approval date:	26/11/2019		

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1.	CME/PP	Revised PoA-DD, version 15	Dated 17/10/2020	UNFCCC Website
2.	CME/PP	Registered PoA DD, version 14	Dated 17/01/2020	UNFCCC Website
3.	Earthood	PoA Validation Report, version 03	Dated 17/01/2020	UNFCCC Website
4.	UNFCCC	Programme of Activities Design Document Form (PoA-DD) Instruction to fill the PoA-DD	Version 09.0	UNFCCC Website
5.	UNFCCC	AMS-III.H. ver. 18 - Methane recovery in wastewater treatment	Version 18	UNFCCC Website
6.	UNFCCC	CDM VVS for CDM PoAs	Version 02	UNFCCC Website
7.	UNFCCC	CDM PS for CDM PoAs	Version 02	UNFCCC Website
8.	UNFCCC	CDM PCP for CDM PoAs	Version 02	UNFCCC Website
9.	UNFCCC	Glossary of CDM terms	Version 10	UNFCCC Website

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

Table 1. CLs from this validation

CL ID	01	Section no.	D.5	Date: 22/10/2020
Description of CL				
CME has used the new technology i.e covered lagoons eligible under the programme, CME shall clarify how they have confirmed or ensure that proposed technology is not a baseline in host country.				
CME's response				Date: 22/10/2020
The baseline is revalidated during renewal of crediting period and it is established that there is no regulation in host country on selection of technology and use of anaerobic open lagoons for treating wastewater generated in Palm Oil Mills are common in host country and is a baseline. The same can be checked from detailed assessment in baseline section of the PoA DD. The existing regulation only applicable for wastewater quality and considers the COD/BOD limit for treated wastewater, the required wastewater quality can be achieved with number of technologies e.g. aerobic open lagoons, anaerobic open lagoons, anaerobic covered lagoons and anaerobic digester tank.				
Documentation provided by CME				
Revised PoA DD				
DOE assessment				Date: 22/10/2020
It is confirmed that the proposed technology under programme is not a baseline in host country, the baseline is recently updated by CME during the RCP of PoA, it was confirmed by reviewing the recently registered PoA DD dated 17/10/2020 /2/, validation report of RCP /3/ and further based on the local and sectoral expertise that covered lagoon with biogas recovery is not a baseline in Indonesia.				

Table 2. CARs from this validation

CAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of CAR				
CME's response				Date: DD/MM/YYYY
Documentation provided by CME				
DOE assessment				Date: DD/MM/YYYY

Table 3. FARs from this validation

FAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of FAR				
CME's response				Date: DD/MM/YYYY
Documentation provided by CME				
DOE assessment				Date: DD/MM/YYYY

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Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
03.0	31 May 2019	Revision to: <ul style="list-style-type: none">• Ensure consistency with version 02.0 of the “CDM validation and verification standard for programmes of activities” (CDM-EB93-A08-STAN);• Make editorial improvements.
02.0	29 December 2017	Revision to align with the requirements of the “CDM validation and verification standard for programme of activities” (version 01.0).
01.0	5 June 2015	Initial publication.

Decision Class: Regulatory
Document Type: Form
Business Function: Registration
Keywords: post-registration change, programme of activities, validation report