

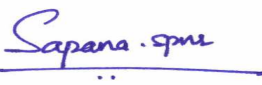


## Validation report form for post-registration changes for CDM project activities

(Version 01.0)

Complete this form in accordance with the "Attachment: Instructions for filling out the validation report form for post-registration changes for CDM project activities" at the end of this form.

### VALIDATION REPORT ON POST-REGISTRATION CHANGES (PRCs)

<b>Title and reference number of the project activity</b>	Mae Klong Hydropower Project
<b>Process track</b>	<input type="checkbox"/> Prior approval <input checked="" type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period
<b>Version number of the validation report on PRCs</b>	Version 04.1
<b>Completion date of the validation report on PRCs</b>	01/02/2017
<b>Type(s) of PRCs</b>	<input type="checkbox"/> Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline <input checked="" type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a monitoring plan to a registered project activity <input checked="" type="checkbox"/> Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline <input checked="" type="checkbox"/> Changes to the project design of a registered project activity <input type="checkbox"/> Types of changes specific to afforestation and reforestation project activities
<b>Version number of PDD to which this report applies</b>	Version 10
<b>Project participant(s)</b>	Electricity Generating Authority of Thailand
<b>Host Party</b>	Thailand
<b>Sectoral scope(s), selected methodology(ies), and where applicable, selected standardized baseline(s)</b>	Sectoral Scope 1 : Energy Industries (renewable sources / non – renewable resources) Selected methodology: AMS-I.D. ver. 17
<b>Name of DOE</b>	Bureau Veritas Certification Holding SAS
<b>Name, position and signature of the approver of the validation report on PRCs</b>	 Ms. Sapana Pednekar Quality Manager- Operations

## **SECTION A. Executive summary**

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Electricity Generating Authority of Thailand has commissioned Bureau Veritas Certification to validate the post-registration changes of CDM project Mae Klong Hydropower Project (hereafter called “the Project”) at Ban Muang Chum, Amphor Tha Muang, Kanchanaburi Province, Thailand.

Mae Klong hydropower project is a small-scale greenfield run-of-the-river hydroelectric power plant with an installed capacity of 12.35 MW at Mae Klong river. The project is implemented on the left bank of the existing Mae Klong irrigation dam by using the by-pass water flow to generate the electricity which later sold to Provincial Electricity Authority (PEA)

The proposed project includes installation of two generators of 6.176 MW and two turbines of 6.4 MW each to generate 12.35 MW of electricity to export from the Mae Klong Powerhouse to existing PEA transmission line. All the net generated electricity will be exported to the PEA. Since the project activity generates electricity by using renewable hydro resources with the total capacity of 12.35 MW, the project activity is fall into type I (Renewable energy project) and small scale project (the installed capacity <15 MW).

This report summarizes the findings of the validation of the post-registration changes, performed on the basis of UNFCCC criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The objective of a validation is to provide a through and independent third party assessment of the post-registration changes. In particular, the changes’ compliance with relevant UNFCCC criteria are validated in order to confirm that the changes meet the applicable CDM requirements and the identified criteria.

The validation scope is defined as an independent consisted of the following three phases: i) objective review of the revised project design document and other relevant documents, ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final post-registration changes validation report and opinion. The overall validation was conducted using Bureau Veritas Certification internal procedures. The information in these documents is also reviewed against the requirements of paragraph 37 of the CDM M&Ps, the applicability conditions of the selected methodology and guidance issued by the Board.

The validation is not meant to provide any consulting towards the project participants. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the project design.

The first output of the validation process is a list of Clarification Requests, Corrective Actions Requests, and Forward Actions Requests (CLs, CARs and FARs), presented in Appendix 4. Taking into account this output, the project proponent revised its project design document.

In summary, it is Bureau Veritas Certification’s opinion that the project correctly applies the baseline and monitoring methodology AMS-I.D. ver. 17 and meets all relevant UNFCCC requirements for the CDM. Bureau Veritas Certification thus requests the registration of the project as a CDM project activity

## 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			
						Desk review	On-site inspection	Interview(s)	Validation findings
1.	Team Leader	IR	Charnyapornpong	Natchawat	Bangkok office	x	x	x	x

### B.2. Technical reviewer and approver of the validation report on 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	Sripraparkorn	Chumpol	Bureau Veritas Certification Holding SAS
2.	Approver	IR	Pednekar	Sapana	Bureau Veritas Certification Holding SAS

## SECTION C. Means of validation

### C.1. Desk review

>> The Revised Project Design Document (PDD) /07/ submitted by Advance Energy Plus Co., Ltd. and additional background documents related to the project design and monitoring plan were reviewed using Bureau Veritas Certification internal procedures.

In order to ensure transparency, a validation protocol was customized for the project, according to the version 09 of the Clean Development Mechanism Validation and Verification Standard, issued by CDM Executive Board

The protocol shows, in a transparent manner, criteria (requirements), means of validation and the results from validation of the identified criteria. The validation protocol serves the following purposes:

- It organizes, details and clarifies the requirements the post-registration changes are expected to meet;
- It ensures a transparent validation process where the validator will document how a particular requirement has been verified and the result of the validation.

The completed Validation protocol is enclosed in Appendix 5 to this report

In addition to the documentation provided by the project participants, the DOE reviews:

- (a) The registered PDD and the monitoring plan /01/
- (b) The validation report requesting for registration /02/
- (c) The applied monitoring methodology AMS-I.D. ver. 17 /03/

To address Bureau Veritas Certification corrective action and clarification requests, Advance Energy Plus Co., Ltd. revised the PDD version 10 dated 26/09/2016.

The validation conclusions presented in this report relate to the project as described in the revised PDD version 10 /08/.

### C.2. On-site inspection

The on-site inspection was held on 25/11/2015 at location of project site. This following table provides detail on activities performed onsite.

Duration of on-site inspection: 25/11/2015				
No.	Activity performed on-site	Site location	Date	Team member
1.	Inspection of Turbine at unit 1 & 2	Kanchanaburi	25/11/2015	Natchawat
2.	Inspection of Generator at unit 1 & 2	Kanchanaburi	25/11/2015	Natchawat
3.	Inspection of imported electricity meters at the entrance of the plant and in control room	Kanchanaburi	25/11/2015	Natchawat
4.	Inspection of exported electricity meters (main and backup meter) for unit 1 & 2 in control room	Kanchanaburi	25/11/2015	Natchawat

### C.3. Interviews

Following table provides list of interviewee and validation team member who conducted interview session through in-person interviews.

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Kunawanakit	Waraporn	EGAT	25/11/2015	Project implementation	Natchawat
2.	Wisutthiwat	Apinya	EGAT	25/11/2015	Project implementation	Natchawat
3.	Suksamran	Worappol	EGAT	25/11/2015	Project implementation	Natchawat
4.	Utthachak	Nutdanai	EGAT	25/11/2015	Reporting	Natchawat
5.	Nopparatkongrit	Manop	EGAT	25/11/2015	Operation & Management	Natchawat
6.	Somsak	Chenjai	EGAT	25/11/2015	Technical	Natchawat
7.	Sritammaratch	Sarun	AEP (consultant)	25/11/2015	Project implementation	Natchawat
8.	Aroontherawong	Chayaphol	AEP (consultant)	25/11/2015	Project implementation	Natchawat

### 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 PDD form	-	2	-
Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline	-	-	-
Corrections	-	- (CAR01 covered both Compliance with PDD form and Corrections section)	-
Changes to the start date of the crediting period	-	-	-
Inclusion of a monitoring plan to a registered project activity	-	-	-
Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline	2	-	-
Changes to the project design of a registered project activity	1	-	-
Types of changes specific to afforestation and reforestation project activities	-	-	-
Others (please specify)	-	-	-
<b>Total</b>	<b>3</b>	<b>2</b>	<b>0</b>

## SECTION D. Validation findings

### D.1. Compliance with PDD form

<b>Means of validation</b>	<p>Validation team conducted document review on these following document to verify whether revised PDD /07/ is compliance with PDD form</p> <ul style="list-style-type: none"> <li>UNFCCC website for latest form for the PDD</li> <li>CDM-SSC-PDD-FORM version 06.0 and Attachment: Instructions for filling out the project design document form for small-scale CDM project activities/06/</li> </ul>
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<b>Findings</b>	<p>It's found that revised PDD used the CDM-SSC-PDD-FORM version 06.0 which is the latest available of SSC-PDD form published on UNFCCC website.</p> <p>However, it's found that there are some changes which were not indicated in Appendix 6 of PDD and the detail provided in revised PDD version 06 are missing compared to the instruction including;</p> <ul style="list-style-type: none"> <li>• Description of "Purpose and general description of project activity (section A.1)</li> <li>• Reference link of methodology and standardized baseline (Section B.1)</li> <li>• Expected operational lifetime of the project activity (Section C.1.2) and Type of crediting period (Section C.2.1)</li> <li>• Approval and authorization (Section F)</li> <li>• Contact information of project participants and responsible persons/entities (Appendix 1)</li> <li>• Evidence of Applicability of methodology and standardized baseline (Appendix 3)</li> </ul> <p>Hence, CAR01 and CAR02 were raised.</p> <p>Lastly, PP had corrected PDD and provided evidence as appropriate, leading to closure of CAR01 and CAR02 at the end (see detail in Table 2 under appendix 4).</p>
<b>Conclusion</b>	<p>With reference to closure of CAR01 and CAR02, it is confirmation from validation team that revised PDD is compliance with relevant form and instruction therein. Furthermore, it is confirm that information transferred to the later version of the PDD form is materially the same as that in the registered PDD.</p>

#### D.2. Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline

<b>Means of validation</b>	N/A
<b>Findings</b>	N/A
<b>Conclusion</b>	N/A

#### D.3. Corrections

Means of validation	Validation team conducted document review on these following documents combined with onsite inspection to validate the compliance of revised PDD (and its later revision) as per following detail. <ul style="list-style-type: none"><li>Registered PDD /01/</li><li>Revised PDD /07/</li><li>Appendix 1 of PS version 09.0 /05/</li></ul>		
Findings	Based on desk reviewed explained in section D.1 above, validation team observed that there are change in type of Generator for Unit I which was not indicated appendix 6 of the revised PDD as follows. <b>Unit I</b>		
	Generator	As per registered PDD	Post registration change
	Type	SFW6176-36/3800	SFW <b>G</b> 6176-36/3800
	Therefore, validation team raised CAR02 and conducted onsite inspection to investigate project implementation on 25/11/2015 to confirm the actual equipment installed at the project activity area /10/ compared against detail of project provided in registered PDD /01/ and this revised PDD /07/. It is found that the actual type of generator installed at the project activity is type 'SFW <b>G</b> 6176-36/3800'. This is also in line with the information in revised PDD. Furthermore, the capacity and other specification value for generator are found to be the same with the value provided in registered PDD. Hence, this is accepted and CAR02 is closed.		
Conclusion	Corresponding to the paragraph 304 of VVS version 09.0, Bureau Veritas Certification can confirm that the corrected information is an accurate reflection of actual project or programme information. With reference to findings above, it is confirmed that this information correction do not affect the design of the project activity and do not require prior approval by the CDM Executive Board (the Board) as per Appendix 1 of PS version 09.0.		

#### D.4. Changes to the start date of the crediting period

<b>Means of validation</b>	N/A
<b>Findings</b>	N/A

<b>Conclusion</b>	N/A
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#### D.5. Inclusion of a monitoring plan to a registered project activity

<b>Means of validation</b>	N/A
<b>Findings</b>	N/A
<b>Conclusion</b>	N/A

#### D.6. Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline

<b>Means of validation</b>	<p>Validation team conducted document review on these following documents combined with onsite inspection to validate the compliance of revised PDD as per following detail.</p> <ul style="list-style-type: none"> <li>• Registered PDD /01/</li> <li>• Revised PDD /07/ (and its later revision)</li> <li>• Appendix 1 of PS version 09.0 /05/</li> <li>• VVS version 09.0 /04/</li> <li>• AMS-I.D. ver. 17 /03/</li> </ul>		
<b>Findings</b>	<b>EG<sub>export,y</sub> (B.7.1)</b>		
	<b>Data</b>	<b>Registered monitoring plan</b>	<b>Permanent changed from registered monitoring plan</b>
	Source of data	Energy meter reading from plant records	Measured value from electricity meter
	Measurement methods and procedures	<p>There are two meters for two generators (Type code: ZMD 402 CT44 - LANDIS + GYR) with Automated meter reading installed inside EGAT's control room. These meters are two-way meter through which export and import data will be continuously monitored. These data will be printed and recorded on a monthly basis. Additionally, two back up meters will also be installed for each generator.</p> <p>Moreover, a logbook will be maintained on site to record hourly readings from the energy meter. The readings will be taken by the shift supervisor. This hourly data will be signed off at the end of every shift by the engineer in charge of the shift and again at the end of each day by the power plant manager.</p>	Measured continuously by using electricity meter. There are two main electricity meters for two generators installed inside EGAT's control room. Consolidated readings will be recorded in monthly basis.
	QA/QC procedures	Data measured by meters and recorded in logbook will be cross checked by electricity sales receipt. This will act as a check against the electricity export-import meter readings. The energy meter will be calibrated at least once in two year subject to national standards.	The reading data from the electricity meters are recorded in the monthly report and it will be cross checked by the reading export meter report. The reading export meter report is an official document to confirm the quantity of power supplied as indicated in the PPA. These recorded data shall be verified by off-taker

			party (PEA officer). The verified data shall be countersigned by PEA and EGAT officer. In case of main meter failure, the data from back up meter will be applied in such period. The energy meter will be calibrated at least once in two year subject to national standards.															
	<p><b><u>Validation opinion:</u></b></p> <p>- <i>Source of data:</i> There is no significant change and this is similarly the same. Hence, this is accepted.</p> <p>- <i>Measurement methods and procedures:</i> CL02 was raised because the revised information did not provide the specification of the meters which was mentioned in registered PDD. With reference to CL02's response, PP had provided the evidence to confirm that the changes of monitoring equipment were done according to the Power Purchase Agreement (PPA) /11/ with Provincial Electricity Authority (PEA). Verification team also found that PPA was revised on 30/07/2013. PPA reviewed under validation stage was dated on 22/12/2005 /16/ with the reason to update information to be consistent with current situation. However, verification team found that the requirement on accuracy level remains unchanged. It is found that the accuracy class of meter (Type code: ZMD 402 CT44 - LANDIS + GYR) indicated in registered PDD /12/ and the actual meter installed (Type: EDM1 (Mk6E)) /13/ are the same with the minimum requirement in PPA at Class 0.2S. This is the same with minimum accuracy level required in PPA at ±0.2%. Hence, this change fell under section 5(b) of appendix 1 of Project Standard version 09.0 which do not require prior approval by the Executive Board. With reference to recording frequency, it was changed from hourly to monthly. Validation team found that this is still within applied methodology AMS-I.D. ver.17 which required recording on monthly basis. Hence, this change fell under section 5(g) of appendix 1 of Project Standard version 09.0 which do not require prior approval by the Executive Board.</p> <p>- <i>QA/QC procedures:</i> There is no significant change and this is similarly the same. Hence, this is accepted.</p> <p><b>EG<sub>import,y</sub> (B.7.1)</b></p> <table><tr><th>Data</th><th>Registered plan</th><th>monitoring</th><th>Permanent from monitoring plan</th><th>changed registered</th></tr><tr><td>Source of data</td><td>Energy meter reading from plant records</td><td></td><td>Measured value from electricity meter</td><td></td></tr><tr><td>Measurement methods and procedures</td><td>There are two meters for two generators (Type code: ZMD 402 CT44 - LANDIS + GYR) with Automated meter reading installed inside EGAT's control room. These meters are two-way meter through which export and import data will be continuously monitored. These data will be printed and recorded on a monthly</td><td></td><td>Measured continuously by using electricity meter. There are two electricity meters installed inside EGAT's control room. Consolidated readings are recorded in monthly basis.</td><td></td></tr></table>			Data	Registered plan	monitoring	Permanent from monitoring plan	changed registered	Source of data	Energy meter reading from plant records		Measured value from electricity meter		Measurement methods and procedures	There are two meters for two generators (Type code: ZMD 402 CT44 - LANDIS + GYR) with Automated meter reading installed inside EGAT's control room. These meters are two-way meter through which export and import data will be continuously monitored. These data will be printed and recorded on a monthly		Measured continuously by using electricity meter. There are two electricity meters installed inside EGAT's control room. Consolidated readings are recorded in monthly basis.	
Data	Registered plan	monitoring	Permanent from monitoring plan	changed registered														
Source of data	Energy meter reading from plant records		Measured value from electricity meter															
Measurement methods and procedures	There are two meters for two generators (Type code: ZMD 402 CT44 - LANDIS + GYR) with Automated meter reading installed inside EGAT's control room. These meters are two-way meter through which export and import data will be continuously monitored. These data will be printed and recorded on a monthly		Measured continuously by using electricity meter. There are two electricity meters installed inside EGAT's control room. Consolidated readings are recorded in monthly basis.															

	<p>basis. Additionally, two back up meters will also be installed for each generator.</p> <p>Moreover, a logbook will be maintained on site to record hourly readings from the energy meter. The readings will be taken by the shift supervisor. This hourly data will be signed off at the end of every shift by the engineer in charge of the shift and again at the end of each day by the power plant manager.</p>	
QA/QC procedures	Data measured by meters and recorded in logbook will be cross checked against electricity invoice sent by PEA for electricity import. The energy meter will be calibrated at least once in two years subject to national standards.	Data measured by meters and recorded in monthly report will be cross checked against electricity invoice sent by PEA for electricity import. The energy meter will be calibrated at least once in two years subject to national standards.

**Validation opinion:**

- *Source of data:*  
There is no significant change and this is similarly the same. Hence, this is accepted.

- *Measurement methods and procedures:*  
Same with findings for  $EG_{\text{export},y}$  above.

- *QA/QC procedures:*  
There is no significant change and this is similarly the same. Hence, this is accepted.

**$EG_{BL,y}$  (B.7.1)**

Data	Registered monitoring plan	Permanent changed from registered monitoring plan
QA/QC procedures to be applied	This can be cross checked against the electricity invoices. The energy meter will be calibrated at least once in two years subject to national standards	The meters will be calibrated as described in parameter $EG_{\text{export},y}$ and $EG_{\text{import},y}$

**Validation opinion:**

With reference to methodology AMS-I.D. ver.17,  $EG_{BL,y}$  is calculated parameter between  $EG_{\text{import},y}$  and  $EG_{\text{export},y}$ . Furthermore, the detail of cross-checking and meter calibration had already been provided in parameter  $EG_{\text{import},y}$  and  $EG_{\text{export},y}$ . Hence, this is accepted.

**Monitoring Procedure (B.7.2)**

Data	Registered monitoring plan	Permanent changed from registered monitoring plan
<b>Monitoring Procedure (B.7.2)</b>	There will be three 8 hour shifts and the readings from	EGAT is well aware of the importance of having a



	<p>energy meters will be taken on an hourly basis by the shift supervisor and recorded in logbooks. This hourly data will be signed off at the end of every shift by the engineer in charge of the shift and again at the end of each day by the power plant manager. The power plant manager will analyze the data every month and report to the head office. The data will be archived electronically every month and invoices of electricity sales will be maintained.</p> <p>good operational and management team in order to execute a well-defined monitoring plan for the project activity. So, it has an operational and management structure created exclusively for monitoring data. The responsibilities of data monitoring, archiving and analyzing will fall on different members of the monitoring team. This team will be composed of head office, power plant manager and shift supervisor. The shift supervisor will record the monitoring data. The power plant manager will cross-check the monitoring data and system to be properly functional and the head office will analyze the power plant performance through the monitoring data.</p>
	<p><b>Validation opinion:</b></p> <p>CL03 was raised because there are changed in recording frequency. With reference to PP justification under CL03 and monthly meter reading report received, it is confirmed that the recording frequency which was changed from daily to monthly. Validation team found that this is still within applied methodology AMS-I.D. ver.17 which required recording on monthly basis. Hence, this change fell under section 5(g) of appendix 1 of Project Standard version 09.0 which do not require prior approval by the Executive Board.</p>
<b>Conclusion</b>	<p>Validation team confirmed that</p> <ul style="list-style-type: none"> <li>- The proposed permanent changes do not reduce the level of accuracy of the monitoring compared with the requirements contained in the registered monitoring plan. The monitoring equipment actually installed has the same accuracy level with the one stipulated in registered PDD and are in compliance with AMS-I.D. ver.17.</li> <li>- The same version of the applied methodology had been considered by the project activity.</li> <li>- The permanent changes are not likely to lead to a reduction in the accuracy of the calculation of emission reductions</li> <li>- The permanent changes complied with the relevant requirements related to the permanent changes from the registered monitoring plan, the applied methodology and/or the applied standardized baseline in the Project standard.</li> </ul> <p>With reference to findings above, this change fell under section 5(g) of appendix 1 of Project Standard version 09.0 which do not require prior approval by the Executive Board.</p>

#### D.7. Changes to the project design of a registered project activity

<b>Means of validation</b>	<p>Validation team conducted document review on these following documents combined with onsite inspection to validate the compliance of revised PDD as per following detail.</p> <ul style="list-style-type: none"> <li>• Registered PDD /01/</li> <li>• Revised PDD /07/ (and its later revision)</li> </ul>
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	<ul style="list-style-type: none"><li>• VVS version 09.0 /04/</li><li>• AMS-I.D. ver. 17 /03/</li><li>• Appendix 4 - 9554 IRR &amp; CER Calculations /09/</li><li>• Appendix 1 of PS version 09.0 /05/ which cover the following topics<ul style="list-style-type: none"><li>(a) The applicability and application of the applied methodology and, where applicable, the applied standardized baseline under which the project activity has been registered;</li><li>(b) The additionality of the project activity;</li><li>(c) The scale of the project activity.</li></ul></li></ul>																																												
Findings	<p><b>Turbine specification</b></p> <table><tr><th rowspan="2">Turbine</th><th colspan="2">UNIT I</th><th colspan="2">UNIT II</th></tr><tr><th>Registered PDD</th><th>Correction</th><th>Registered PDD</th><th>Correction</th></tr><tr><td>Type</td><td>GZC19-WP-315</td><td>GZC19-WP-315</td><td>GZC19-WP-315</td><td>GZC19-WP-315</td></tr><tr><td>Rated Power</td><td>6.4MW</td><td>6.4MW</td><td>6.4MW</td><td>6.4MW</td></tr><tr><td>Rated Head</td><td>9.2m</td><td>9.2m</td><td>9.2m</td><td>9.2m</td></tr><tr><td>Rated Flow</td><td>75.56m³/s</td><td>75.56m³/s</td><td>75.56m³/s</td><td>75.56m³/s</td></tr><tr><td>Rated Speed</td><td>166.7 r/min</td><td>166.7 r/min</td><td>166.7 r/min</td><td>166.7 r/min</td></tr><tr><td><b>Runaway Speed</b></td><td><b>463 r/min</b></td><td><b>484.5 r/min</b></td><td><b>463 r/min</b></td><td><b>484.5 r/min</b></td></tr><tr><td>Layout Type</td><td>Horizontal Axis</td><td>Horizontal Axis</td><td>Horizontal Axis</td><td>Horizontal Axis</td></tr></table> <p>CL01 was raised to request further supporting evidence of turbine specification which actually installed at the project activity. With reference to the actual name plate observed during on-site inspection on 25/11/2015, it is confirmed that the only change was on the value of 'Runaway speed'. There is no change on the output capacity and model of the turbine.</p> <p><b>Assessment of the changes:</b></p> <ul style="list-style-type: none"><li>- When the changes occurred and the reason of those changes taking place EGAT hired the EPC company to design/supply/construction/installation and commissioning so the EPC company could deliver the project to EGAT after completion of construction &amp; installation. The change was occurred during the installation of the machine. The contractor provided the reason on the change to EGAT that this change was occurred when adjustment during machine installation at the project activity.</li><li>- Whether the changes would have been known prior to registration of the project activity The change was acknowledged during delivery the project to EGAT after completion of construction &amp; installation in 29/01/2014 after registration of the project activity in 01/02/2013.</li><li>- How the changes would impact the overall operation/ability of the project activity to deliver emission reductions as stated in the PDD Not applicable. The changed in the specification of turbine does not impact to the output capacity of the project activity, and the overall operation remains unchanged.</li></ul> <p><b>Impact to the validation conclusions in the registered PDD:</b></p> <ul style="list-style-type: none"><li>- <i>Applicability and application of approved baseline methodology</i> Not applicable. Validation team reviewed the justifications provided for applicability criteria of AMS-I.D. ver. 17 as stated in Table 2 of registered PDD. The change on Runaway speed of turbine does not impact to the applicability and application of approved baseline methodology. The justification remains unchanged.</li><li>- <i>Additionality of the project activity</i> Not applicable. Validation team reviewed IRR calculation /09/ with the contracted price prior construction (22 Jan 2009) /14/ and post construction (1 Jul 2015) /15/ (see detail in Table 1 under appendix 4). It is found that the new turbine cost is the same with the data used in IRR calculation during validation process. Hence, it is</li></ul>	Turbine	UNIT I		UNIT II		Registered PDD	Correction	Registered PDD	Correction	Type	GZC19-WP-315	GZC19-WP-315	GZC19-WP-315	GZC19-WP-315	Rated Power	6.4MW	6.4MW	6.4MW	6.4MW	Rated Head	9.2m	9.2m	9.2m	9.2m	Rated Flow	75.56m³/s	75.56m³/s	75.56m³/s	75.56m³/s	Rated Speed	166.7 r/min	166.7 r/min	166.7 r/min	166.7 r/min	<b>Runaway Speed</b>	<b>463 r/min</b>	<b>484.5 r/min</b>	<b>463 r/min</b>	<b>484.5 r/min</b>	Layout Type	Horizontal Axis	Horizontal Axis	Horizontal Axis	Horizontal Axis
Turbine	UNIT I		UNIT II																																										
	Registered PDD	Correction	Registered PDD	Correction																																									
Type	GZC19-WP-315	GZC19-WP-315	GZC19-WP-315	GZC19-WP-315																																									
Rated Power	6.4MW	6.4MW	6.4MW	6.4MW																																									
Rated Head	9.2m	9.2m	9.2m	9.2m																																									
Rated Flow	75.56m³/s	75.56m³/s	75.56m³/s	75.56m³/s																																									
Rated Speed	166.7 r/min	166.7 r/min	166.7 r/min	166.7 r/min																																									
<b>Runaway Speed</b>	<b>463 r/min</b>	<b>484.5 r/min</b>	<b>463 r/min</b>	<b>484.5 r/min</b>																																									
Layout Type	Horizontal Axis	Horizontal Axis	Horizontal Axis	Horizontal Axis																																									

	<p>confirmed that this change do not affect to the additionality of the project activity and the project activity still remains additional.</p> <p>- <i>Scale of the project activity</i> With reference to eligibility of small scale project activity in para 99 (a) of PS version 09.0 that for renewable energy project activities with a maximum output capacity of 15 MW, the change in 'Runaway speed' do not affect to the 'output' of the turbine or generator. Hence, the maximum output capacity remains unchanged.</p> <p>- <i>Compliance of the monitoring plan with applied monitoring methodology</i> Not applicable. The change on Runaway speed of turbine does not impact to the monitoring plan or any monitored parameter.</p> <p>- <i>The eligibility criteria of the registered CDM PoA</i> Not applicable. This is not applicable since this project activity is not CDM PoA.</p>
<b>Conclusion</b>	<p>It is confirmed that actual changes to the project design of a registered CDM project activity do not adversely impact any of the following:</p> <p>(a) The applicability and application of the applied methodology and, where applicable, the applied standardized baseline under which the project activity has been registered;</p> <p>(b) The additionality of the project activity;</p> <p>(c) The scale of the project activity.</p> <p>(d) The compliance of the monitoring plan with the applied monitoring methodology and, where applicable, the applied standardized baseline;</p> <p>(e) The eligibility criteria of the registered CDM PoA</p> <p>With reference to findings above, this change fell under section 6 of appendix 1 of Project Standard version 09.0 which do not require prior approval by the Executive Board.</p>

#### **D.8. Types of changes specific to afforestation and reforestation project activities**

<b>Means of validation</b>	N/A
<b>Findings</b>	N/A
<b>Conclusion</b>	N/A

#### **SECTION E. Internal quality control**

>> The validation opinion underwent an Internal Technical Review (ITR) before requesting approval of the post-registration changes.

The ITR is an independent process performed to examine thoroughly that the process of validation has been carried out in conformance with the requirements of the validation scheme as well as internal Bureau Veritas Certification procedures.

The Team Leader provides a copy of the validation opinion to the reviewer, including any necessary validation documentation. The reviewer reviews the submitted documentation for conformance with the validation scheme. This will be a comprehensive review of all documentation generated during the validation process.

When performing an Internal Technical Review, the reviewer ensures that:

- The validation activity has been performed by the team by exercising utmost diligence and complete adherence to the CDM rules and requirements.
- The review encompasses all aspects related to the project which includes project design, baseline, additionality, monitoring plans and emission reduction calculations, internal quality assurance systems of the project participant as well as the project activity, closure of CARs and CLs during the validation exercise, review of sample documents.

The reviewer may raise Clarification Requests to the validation team and will discuss these matters with the Team Leader.

After the agreement of the responses to the Clarification Requests from the validation team as well as the PP(s), the finalized validation opinion is accepted for further processing such as uploading via the UNFCCC interface.

#### **SECTION F. Validation opinion**

>> Bureau Veritas Certification has performed a validation of post-registration changes of Mae Klong Hydropower Project, CDM Registration Reference Number 9554, which is located in Ban Muang Chum, Amphor Tha Muang, Kanchanaburi Province, Thailand. The validation was performed on the basis of UNFCCC criteria for the CDM, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The validation consisted of the following three phases: i) desk review of the project design document and additional background documents; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final validation report and opinion.

The review of the revised project design document, relevant additional information and the subsequent follow-up interviews have provided Bureau Veritas Certification with sufficient evidence to determine the fulfilment of stated criteria. In our opinion, the post-registration changes meet all relevant UNFCCC requirements for the CDM. Bureau Veritas Certification thus requests the approval of post-registration changes of the project activity.



Dr Chumpol SRIPRAPARKORN  
Internal Technical Reviewer



Mr Natchawat CHARNYAPORNPONG  
Team Leader

Appendix 1.

01/02/2017

01/02/2017

## Abbreviations

Abbreviations	Full texts
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reductions
CL	Clarification Request
CO2	Carbon Dioxide
CO2e	Carbon Dioxide Equivalent
DOE	Designated Operational Entity
FAR	Forward Action Request
GHG	Green House Gas(es)
MP	Monitoring Plan
PDD	Project Design Document
PLF	Plant Load Factor
PP	Project Participant
PPA	Power Purchase Agreement
PRC	Post-Registration Changes
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

## Appendix 1. Competence of team members and technical reviewers

Mr. Natchawat Charnyapornpong	Bureau Veritas  Certification, Thailand	<p><u>Current Position:</u> Team Leader, Climate Change Verifier.</p> <p><u>CDM Technical Area#:</u></p> <ul style="list-style-type: none"> <li>- T.A 1.2 (Energy generation from renewable energy)</li> <li>- T.A. 13.1 (Solid Waste and waste water)</li> <li>- T.A. 13.2 (Manure)</li> <li>- T.A. 15.2 (Agriculture)</li> </ul> <p><u>Education</u> He was graduated from M.Sc. Environmental Management, Chulalongkorn University and Bachelor degree in Micro-biology from Chulalongkorn University.</p> <p><u>Related Work Experiences</u> He has 5 years experiences in Carbon Business area while he was employed as CDM consultant prior to join Bureau Veritas Thailand. In this present time, he is responsible to CDM business and non-CDM business (i.e., VCS, GS, and Carbon Footprint).</p> <p><b>Remark #</b> Obtained by technical training, education and related work experiences</p>
Dr. Chumpol Sripraparkorn	Bureau Veritas  Certification, Thailand	<p><u>Current Position:</u> Technical Reviewer, Climate Change Lead Verifier.</p> <p><u>CDM Technical Area#:</u></p> <ul style="list-style-type: none"> <li>- T.A 1.2 (Energy generation from renewable energy)</li> <li>- T.A. 13.1 (Solid Waste and waste water)</li> </ul> <p><u>Education</u> He has PhD education background in Environmental Management (Hazardous Waste Management) Chulalongkorn University, 2009 with core research: Transportation policy, traffic mode, vehicle emission, air quality. His thesis title is Application of The Air Pollution Model (TAPM) for Bangkok air quality management policy with focus on bus route management, traffic management, mass rapid transportation impact, vehicle profile, vehicle emission and its impact on air quality. His master degree in Environmental Science – Chulalongkorn University, 2002 with core research on Urban transportation system, traffic mode, vehicle emission. His thesis title is Application of CALINE4 air quality model for prediction of roadside air quality.</p> <p><u>Related Work Experiences</u> He has more than 12-year experiences in environmental business and research area. His work experiences prior to join Bureau Veritas Certification (Thailand) was at Agency for Science, Research and Technology (A*STAR), Singapore also with Environmental Consulting firm (conducting Environmental Impact Study) and CDM Consulting firm. He is now working for Bureau Veritas (Thailand) for 5 years and in charge of CDM service.</p> <p><b>Remark #</b> Obtained by technical training, education and related work experiences</p>

## Appendix 2. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	Agrinergy Pte Ltd.	Registered PDD version 05 dated 29/01/2013	<a href="http://cdm.unfccc.int/Projects/DB/RWTUV1359566248.84/view">http://cdm.unfccc.int/Projects/DB/RWTUV1359566248.84/view</a>	Others
2	Tuv Nord Certification	Validation report	<a href="http://cdm.unfccc.int/Projects/DB/RWTUV1359566248.84/view">http://cdm.unfccc.int/Projects/DB/RWTUV1359566248.84/view</a>	Others
3	UNFCCC CDM	AMS-I.D. ver. 17	<a href="http://cdm.unfccc.int/methodologies/SSCmethodologies/approved">http://cdm.unfccc.int/methodologies/SSCmethodologies/approved</a>	Others
4	UNFCCC CDM	VVS version 09.0	<a href="http://cdm.unfccc.int/Reference/Standards/index.html">http://cdm.unfccc.int/Reference/Standards/index.html</a>	Others
5	UNFCCC CDM	PS version 09.0	<a href="http://cdm.unfccc.int/Reference/Standards/index.html">http://cdm.unfccc.int/Reference/Standards/index.html</a>	Others
6	UNFCCC CDM	CDM-SSC-PDD-FORM version 06.0	<a href="https://cdm.unfccc.int/Reference/PDDs_Forms/index.html">https://cdm.unfccc.int/Reference/PDDs_Forms/index.html</a>	Others
7	Advance Energy Plus Co., Ltd.	Revised PDD version 06 dated 15/10/2015	N/A	PP
8	Advance Energy Plus Co., Ltd.	Revised PDD version 10 dated 26/09/2016	N/A	PP
9	Agrinergy Pte Ltd.	Appendix 4 - 9554 IRR & CER Calculations	<a href="http://cdm.unfccc.int/Projects/DB/RWTUV1359566248.84/view">http://cdm.unfccc.int/Projects/DB/RWTUV1359566248.84/view</a>	Others
10	EGAT	Picture of Generator and Turbine's name plate	N/A	PP
11	EGAT and PEA	Power Purchase Agreement Dated 30/07/2013	N/A	PP
12	Landis +Gyr Ltd.	Specification of electricity meter model ZMD 402 CT44 - LANDIS + GYR	N/A	PP
13	EDMI	Specification of electricity meter model EDM1 Mk6E	N/A	PP
14	EGAT and the consortium of Chongqing water turbine works Co., Ltd., Summit Grade Ltd., Part and ST power Engineering Corp., Ltd.	EPC contract No. EGAT 47-O33239-2-3-6Q-EGAT 7/2550-MKHP dated 22 Jan 2009	N/A	PP
15	EGAT and the consortium of Chongqing water turbine works Co., Ltd., Summit Grade Ltd., Part and ST power Engineering Corp., Ltd.	Final contract price dated 1 Jul 2015	N/A	PP
16	EGAT and PEA	Power Purchase Agreement Dated 22/12/2005 (at validation stage)	N/A	PP

## Appendix 3. Clarification requests, corrective action requests and forward action requests

**Table 1. CL from this validation**

<b>CL ID</b>	01	<b>Section no.</b>	D.3	<b>Date:</b> 03/11/2015
<b>Description of CL</b>				
<i>Please provide the evidence 'Equipment technical specification (attachment of contract signed dated 2008-12-11)' which was used for supporting on turbine's specification during validation process to confirm that this change is correction and does not affect the design of the project activity.</i>				
<b>Project participant response</b>				<b>Date:</b> 18/11/2015
<i>Equipment technical specification (attachment of contract signed dated 2008-12-11) will be provided at on site verification</i>				
<b>Documentation provided by project participant</b>				
<i>Revised MR version 02 dated on 11/11/2015</i>				
<b>DOE assessment</b>				<b>Date:</b> 19/11/2015
<p>With reference to revised MR version 02, the change in turbine's specification was moved from post registration change section B.2.2 'Corrections' to section B.2.6 'Changes to project design of registered project activity'. Hence, please provide the justification with evidence to confirm that this change does not require prior approval by the board as it does not adversely impact to</p> <p>a) The applicability and application of the applied methodology and, where applicable, the applied standardized baseline under which the project activity has been registered</p> <p>b) The additionality of the project activity</p> <p>c) The scale of the project activity</p> <p>as described in section B.2.6 of MR version 02.</p> <p>CL01 is still pending.</p>				
<b>Project participant response</b>				<b>Date:</b> 19/11/2015
<p><i>The change of project design is only the Runaway Speed of the turbines from "463 r/min" to "484.5 r/min". This change does not increase the project capacity as the Rated Power is still the same as "6.4 MW". The actual specification of the turbine is provided as file "Actual specification (name plate) of generator and turbine.pdf". As the Rated Power does not change, therefore in term of engineering, it is confirm that the amount of generated electricity does not increase which then it does not affect to the additionality</i></p>				
<b>Documentation provided by project participant</b>				
<i>Actual specification (name plate) of generator and turbine.pdf</i>				
<b>DOE assessment</b>				<b>Date:</b> 02/12/2015
<p>With reference to document 'Actual specification (name plate) of generator and turbine.pdf' and observation during on-site inspection on 25/11/2015, validation team accepted the justification that there are only changed in Runaway Speed of the turbines Unit I and II and maximum output capacity still remained the same at 6.4 MW. Hence, it is confirmed that actual changes to the project design of a registered CDM project activity do not adversely impact to the applicability and application of the applied methodology under which the project activity has been registered and scale of the project activity.</p> <p>However, PP is required to demonstrate how the change of turbines' specification does not impact to additionality of the project activity.</p> <p>CL01 is pending.</p>				
<b>Project participant response</b>				<b>Date:</b> 08/01/2016
<i>The support document to confirm that the change does not impact to additionality of the project will be provided after getting from the contractor</i>				
<b>Documentation provided by project participant</b>				
-				
<b>DOE assessment</b>				<b>Date:</b> 15/01/2016
<p>Waiting for evidence document.</p> <p>CL01 is pending</p>				
<b>Project participant response</b>				<b>Date:</b> 29/02/2016
<p><i>The investment cost of equipment work including the turbine before and after changing the runaway speed does not change. This is confirmed by the EPC contract price before and after construction as provided files "EPC Contract Price (Prior construction 22 Jan 2009).pdf" and "Final EPC Contract Price (Post construction 1 Jul 2015).pdf" respectively. Therefore this change does not impact to the investment cost and additionality of the project.</i></p>				
<b>Documentation provided by project participant</b>				
<i>EPC Contract Price (Prior construction 22 Jan 2009).pdf</i> <i>Final EPC Contract Price (Post construction 1 Jul 2015).pdf</i>				
<b>DOE assessment</b>				<b>Date:</b> 28/03/2016



Validation team reviewed both documentation evidence received. It is confirmed that the change of Turbine's specification did not impact to the investment cost and additionality of the project.
CL01 is now closed.

<b>CL ID</b>	02	<b>Section no.</b>	D.6	<b>Date:</b> 03/11/2015
<b>Description of CL</b>				
<i>Please clarify with evidences on how the actual electricity meters installed by project activity referred in Measurement methods and procedures of parameter EGexport,y and EGimport,y complied with para 313 of VVS version 09.0 and/or appendix 1 of Project Standard version 09.0.</i>				
<b>Project participant response</b>				<b>Date:</b> 18/11/2015
Referring to the para 313 of VVs version 09.0, the actual electricity meters for EGexport,y and EGimport,y are complied with the applied methodology AMS-I.D version 17 as they are continuously monitoring and at least monthly recording. The model of electricity meters is changed from the registered PDD, however this change is agreed by PEA who is the counterpart of PPA. In addition, the level of accuracy of the meters do not change. Therefore this model change of electricity meter does not required prior approval by the Board as per appendix 1 (5b) of Project Standard version 09.0.				
<b>Documentation provided by project participant</b>				
-				
<b>DOE assessment</b>				<b>Date:</b> 19/11/2015
Please provide the following evidences for further review to confirm that this deviation is under section 5(b) of appendix 1 of Project Standard version 09.0 and does not required prior approval by the Board. - Technical specification of meter Type code: ZMD 402 CT44 - LANDIS + GYR as per registered PDD - Power purchase agreement (PPA)				
CL02 is pending.				
<b>Project participant response</b>				<b>Date:</b> 19/11/2015
<i>The specification of meter Type code: ZMD 402 CT44 - LANDIS + GYR as per registered PDD and PPA have been submitted as file "Meter spec ZMD 402CT.pdf" and "Mae Klong PPA.pdf" respectively. In addition, the document to support that the installation of the new type of meters were approved by PEA as file "Certified installation of new meter (main 1).pdf" and "Certified installation of new meter (main 2).pdf"</i>				
<b>Documentation provided by project participant</b>				
Meter spec ZMD 402CT.pdf Mae Klong PPA.pdf Certified installation of new meter (main 1).pdf Certified installation of new meter (main 2).pdf				
<b>DOE assessment</b>				<b>Date:</b> 02/12/2015
Validation team reviewed the documentation provided and confirmed that type/model of meters were changed as per a power purchase agreement (PPA). The changes of meter were also acknowledged and accepted by PEA which is partner of the PPA contract. It is confirmed that the level of accuracy of new meter installed are the same with minimum requirement in PPA ( $\pm 0.2\%$ ) and was still the same with meter Type code: ZMD 402 CT44 - LANDIS + GYR as per registered PDD at Class 0.2S.  This change fell under section 5(b) of appendix 1 of Project Standard version 09.0 which do not require prior approval by the Executive Board.  With reference to finding above, CL02 is closed.				

<b>CL ID</b>	03	<b>Section no.</b>	D.6	<b>Date:</b> 19/11/2015
<b>Description of CL</b>				
<i>With reference to post registration change in section B.7.3 (monitoring procedure), please clarify on how this change does not required prior approval and complied with appendix 1 of Project Standard version 09.0</i>				
<b>Project participant response</b>				<b>Date:</b> 19/11/2015
<i>The change of monitoring procedure does not comply on the criterias that do not required prior approval by the Board. Therefore this change is needed to get the approval by the Board first.</i>				
<b>Documentation provided by project participant</b>				
-				
<b>DOE assessment</b>				<b>Date:</b> 02/12/2015

Please clarify why the change of recording frequency under monitoring procedure does not comply with requirement 5(g) of appendix 1 of Project Standard version 09 and AMS-I.D version 17.	
CL03 is pending.	
<b>Project participant response</b>	<b>Date:</b> 08/01/2016
<i>The recording frequency of parameter EGexport,y and EGimport,y are based on monthly basis, therefore the change of recording frequency of these parameters are complied with requirement 5(g) of Project Standard version 09 and AMS-I.D version 17. Therefore this change does not require prior approval by the Board.</i>	
<b>Documentation provided by project participant</b>	
-	
<b>DOE assessment</b>	<b>Date:</b> 15/01/2016
Validation team accepted the justification from PP. This is found to be consistent with AMS-I.D version 17. It is also confirmed from plant record received during on-site inspection.	
CL03 is closed.	

**Table 2. CAR from this validation**

<b>CAR ID</b>	01	<b>Section no.</b>	D.1	<b>Date:</b> 03/11/2015
<b>Description of CAR</b>				
<p><i>With reference to CDM-SSC-PDD-FORM version 6.0, revised PDD version 06.0 did not fulfill the requirements under Attachment - 'Instructions for filling out the project design document form for small-scale CDM project activities' on the following</i></p> <ul style="list-style-type: none"> <li>- Requirement 7 under section 1 (for description in appendix 2)</li> <li>- Requirement 5 and 8 under section A.1</li> <li>- Requirement 2 under section B.1</li> <li>- Requirement 4 under section B.2</li> <li>- Requirement 1 under section appendix 1 (Name of contact person)</li> </ul>				
<b>Project participant response</b>				<b>Date:</b> 18/11/2015
<p>Requirement 7 under section 1 (for description in appendix 2)</p> <p>-The font of description in appendix 2 has been revised to be the original font of CDM-SSC-PDD-FORM</p> <p>Requirement 5 and 8 under section A.1</p> <p>- "Project activity will reduce greenhouse gas of about 41,741 tCO<sub>2</sub>e annually throughout crediting period of 7 years. The total of emission reductions for entire of 7-year crediting period is 292,187 tCO<sub>2</sub>e" has been added</p> <p>- "The project activity is not applied as a part or a CPA in any CDM PoAs" has been added</p> <p>Requirement 2 under section B.1</p> <p>-The reference link of applied methodology of ASM-I.D version 17 has been updated as per <a href="http://cdm.unfccc.int/methodologies/SSCmethodologies/approved">http://cdm.unfccc.int/methodologies/SSCmethodologies/approved</a></p> <p>Requirement 4 under section B.2</p> <p>The documentation that has been used and support for project activity eligibility has been added in Appendix 3</p> <p>"List of support documents for project activity eligibility; Energy control generation license issued by the Energy Regulatory Commission This document is used to confirm as listed below;</p> <ul style="list-style-type: none"> <li>- The project activity can generate and export electricity to the grid (Applicability criteria 1)</li> <li>- The project activity generates the electricity from hydro power (Applicability criteria 1, 4 and 6)</li> <li>- The project activity is a Greenfield project (Applicability criteria 2, 7 and 8)</li> <li>- The project activity is not involved to the volume of the reservoir (Applicability criteria 3)</li> <li>- The project activity has two units of turbine &amp; generator at capacity of 7,265.9 KVA (or 6,176 kW) which is less than 15 MW (Applicability criteria 5)"</li> </ul> <p>- Requirement 1 under section appendix 1 (Name of contact person) Name of contact person has been added as follow "Ms Waraporn Kunawanakit"</p>				
<b>Documentation provided by project participant</b>				
Energy control generation license.pdf				
<b>DOE assessment</b>				<b>Date:</b> 19/11/2015

<p>Validation team reviewed the correction on revised PDD version 07 dated on 11/11/2015 as followed;</p> <ul style="list-style-type: none"> <li>- Requirement 7 under section 1 (for description in appendix 2)</li> </ul> <p>Validation team reviewed the revision in revised PDD version 07 dated on 11/11/2015. It is confirmed that the format is now corrected as per template.</p> <p>- Requirement 5 and 8 under section A.1</p> <p>With reference to requirement 5 and 8 under section A.1, validation team accepted the new description provided as the information is materially the same as that in the registered PDD.</p> <p>- Requirement 2 under section B.1</p> <p>Validation team reviewed the revision in section B.1 of revised PDD version 07 dated on 11/11/2015. It is confirmed that the UNFCCC CDM website for the exact reference of approved baseline and monitoring methodologies, tools and standardized baselines are now referred properly.</p> <p>- Requirement 4 under section B.2</p> <p>Validation team reviewed the revision in Appendix 3 of revised PDD version 07 dated on 11/11/2015. It is confirmed the documentation that has been used for explanation of project activity eligibility is indicated in Appendix 3.</p> <p>- Requirement 1 under section appendix 1 (Name of contact person)</p> <p>Validation team reviewed the revision in appendix 1 of revised PDD version 07 dated on 11/11/2015. It is confirmed that the information of name of contact person is now indicated.</p> <p>With reference to findings above, CAR01 is now closed.</p>
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<b>CAR ID</b>	02	<b>Section no.</b>	D.1	<b>Date:</b> 03/11/2015
<b>Description of CAR</b>				
<p><i>There are changes which were not indicated as post registration change in Appendix 6 of revised PDD as follows;</i></p> <ul style="list-style-type: none"> <li>- <i>Type of generator Unit I - from SFW6176-36/3800 in registered PDD to SFW<u>G</u>6176-36/3800 under table 1 of section A.3 in revised PDD version 06.0</i></li> <li>- <i>'Measurement methods and procedures' and 'QA/QC procedures' of parameter EG<sub>BL,y</sub></i></li> </ul>				
<b>Project participant response</b>				<b>Date:</b> 18/11/2015
<ul style="list-style-type: none"> <li>- <i>The change of generator type has been indicated in the revised PDD in Appendix 6</i></li> <li>- <i>The change of measurement methods and procedures' and 'QA/QC procedures' of parameter EG<sub>BL,y</sub> has been indicated in the revised PDD in Appendix 6</i></li> </ul>				
<b>Documentation provided by project participant</b>				
-				
<b>DOE assessment</b>				<b>Date:</b> 19/11/2015
<ul style="list-style-type: none"> <li>- Please provide the evidence which was used for supporting on type of generator Unit I during validation process to confirm that this change is correction which does not affect the design of the project activity and according to appendix 1 of PS version 09.0.</li> <li>- Validation team reviewed appendix 6 of revised PDD version 07 dated on 11/11/2015. However, please clarify whether this deviation was temporary or permanent change according to the monitoring plan.</li> </ul> <p>CAR02 is pending.</p>				
<b>Project participant response</b>				<b>Date:</b> 19/11/2015
<ul style="list-style-type: none"> <li>- <i>The support evident on type of generator Unit I during validation process will be provided at onsite verification or validation as appropriate.</i></li> <li>- <i>This change is permanent change which has been indicated in the revised PDD version 08 dated 19/11/2015.</i></li> </ul>				
<b>Documentation provided by project participant</b>				
<b>DOE assessment</b>				<b>Date:</b> 02/12/2015
<ul style="list-style-type: none"> <li>- There is no evidence submitted during on-site inspection.</li> <li>- Validation team accepted the justification from PP with no further question.</li> </ul> <p>CAR02 is pending.</p>				
<b>Project participant response</b>				<b>Date:</b> 08/01/2016
<p><i>The support evident on type of generator Unit I during validation process is provided as file "Generator specification at validation stage.pdf"</i></p>				
<b>Documentation provided by project participant</b>				

<i>Generator specification at validation stage.pdf</i>	
<b>DOE assessment</b>	<b>Date:</b> 15/01/2016
Validation team reviewed the document evidence "Generator specification at validation stage.pdf", it is confirmed that the type of generator unit 1 is now corrected and found to be consistent with document evidence and actual installation. It is confirmed that this correction to project information of registered CDM project activity do not affect the design of the project activity and do not require prior approval by CDM EB as per appendix 1 of PS version 09.0.	
CAR02 is closed.	

**Table 3. FAR from this validation**

<b>FAR ID</b>	N/A	<b>Section no.</b>	N/A	<b>Date:</b> N/A
<b>Description of FAR</b>				
<a href="#">N/A</a>				
<b>Project participant response</b>				<b>Date:</b> N/A
N/A				
<b>Documentation provided by project participant</b>				
N/A				
<b>DOE assessment</b>				<b>Date:</b> N/A
N/A				