




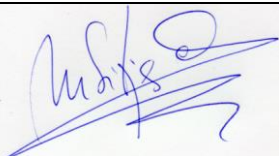
Validation report form for CDM project activities

(Version 01.0)

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

VALIDATION REPORT

Title of the project activity	Solar Power Project by FortumFinnSurya (EKIESL-CDM.February-15-01)
Version number of the validation report	01
Completion date of the validation report	18/01/2016
Version number of PDD to which this report applies	02
Date when PDD was uploaded for global stakeholder consultation	22 Sep 15 - 21 Oct 15 (23:59:59 GMT) http://cdm.unfccc.int/Projects/Validation/DB/LPL9971458EQQL4QK1KR9GR_L746JWD/view.html
Project participant(s)	FortumFinnSurya Energy Pvt. Ltd.
Host Party	India
Estimated annual average GHG emission reductions or net removals in the crediting period (tCO₂e)	19,374 tCO ₂ e
Sectoral scope(s) and selected methodology(ies)	Sectoral Scope 1: Energy Industries (renewable - /non-renewable sources) Methodology: - AMS-I.D "Grid connected renewable electricity generation" (EB 61, Version 18)
Name of DOE	LGAI Technological Center, S.A. (LGAI Tech. Center S.A)
Name, position and signature of the approver of the validation report	Assessment team: Sukanta Das (Team Leader / Leader Auditor)  DOE Representative: Natalia Rodrigo Vega



DOE TechnicalReviewer: Miquel SitesCabanas



Approver, Juan Sendin Caballero. LGAI ApplusManaging Director



SECTION A. Executive summary

The Project activity involves installation of 12 MWp(10 MW AC) solar power project at Ujjain, Madhya Pradesh.

The project activity is the installation of an environmentally safe and sound technology since there are no GHG emissions associated with the electricity generation. The design lifetime of all the Solar panel in the project activity is 25 years; this is accordance to the manufacturer's specification

The project is located atUjjain, Madhya Pradesh. Assessment team checked the commissioning certificate and confirms that the project is implemented and operational at this stage of validation.

Validation Scope: The scope is defined as an independent and objective review of the project design document (PDD). The PDD is reviewed against the criteria stated in Article 12 of the Kyoto Protocol, the CDM modalities and procedures as agreed in the Marrakech Accords and the relevant decisions by the CDM Executive Board, including the approved baseline and monitoring methodology AMS.I.D, version 18. The validation was based on the requirements in the Validation and Verification Standard (VVS version 09)

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

Once Applus+ LGAI receives the PDD, it has been made publicly available on the UNFCCC website, which initiates a 30 days global stakeholder consultation(GSC) process. The details of the GSC are included in this report.

Validation Process: The project assessment is based on the "Clean Development Mechanism Validation and Verification Standard version 09.0 and is conducted using standard auditing techniques to assess the correctness of the information provided by the project participants. Before the assessment begins, members of the team covering the technical scope(s), sectoral scope(s), and relevant host country experience for evaluating the CDM project activity are appointed.

Once the project is made available for the global stakeholder consultation process, the members of the assessment team carried out:

- I A desk review of the project design documentation;
- II Follow-up interviews with project stakeholders;
- III The resolution of outstanding issues and the issuance of the final validation report and opinion.

The prepared validation report and other supporting documents then undergo an internal quality control at the HQ (Accredited office) before being submitted to the CDM-EB.

In order to ensure transparency, assumptions must be clear and stated explicitly and background material must also be referenced. Applus+ LGAI has developed a specific checklist customized for the project. The checklist demonstrates, in a transparent manner, the project criteria (requirements), discussion on each criterion by the assessment team, and the results from validating the identified criteria.

The validation checklist consists of three tables. The different columns in these tables are described in the tables below.

Validation Checklist Table 1: Mandatory Requirements			
Requirement	Reference	Conclusion	Cross reference
The requirements which the project must meet.	Gives reference to the legislation or agreement where the requirement is found.	This is either acceptable based on evidence provided (OK), or a Corrective Action Request (CAR) of risk or non-compliance with stated requirements. The corrective action requests are numbered and presented to the client in the validation report.	Used to refer to the relevant checklist questions in Table 2 to show how the specific requirement is validated. This is to ensure a transparent validation process.

Validation Checklist Table 2: Requirement checklist				
Checklist Question	Reference	Comment	Draft Conclusion	Final Conclusion
The various requirements in Table 2 are linked to checklist questions the project should meet. The checklist is organized in several different sections. Each section is then further subdivided. The lowest level constitutes a checklist question.	Gives reference to documents where the answer to the checklist question or item is found.	The section is used to elaborate and discuss the checklist question and/or the conformance to the question. It is further used to explain the conclusions reached.	Conclusions are presented based on the assessment of the first PDD version. This is either acceptable based on evidence provided (OK), or a Corrective Action Request (CAR) due to non-compliance with the checklist question (See below). Clarification is used when the validation team has identified a need for further clarification. Forward action request to highlight issues related to project implementation that requires review during the first verification.	Conclusions are presented in the same manner based on the assessment of the final PDD version and further documents including assumptions presented in the documentation.

Validation Checklist Table 3: Resolution of Corrective Action and Clarification Requests			
Draft report clarifications and corrective action	Ref. to checklist question in table 1&2	Summary of project owner response	Validation conclusion

requests			
If the conclusions from the draft Validation are either a Corrective Action Request or a Clarification Request, these should be listed in this section.	Reference to the checklist question number in Table 1&2 where the Corrective Action Request or Clarification Request is explained.	The responses given by the Client or other project participants during the communications with the validation team should be summarized in this section.	This section should summarize the validation team's responses and final conclusions. The conclusions should also be included in Table 2, under "Final Conclusion".

Appointment of the assessment team

According to the sectoral scopes / technical area and experiences in the sectoral or national business environment, Applus+ LGAI has composed a project validation team in accordance with the appointment rules in Applus+ LGAI. The composition of assessment team has to be approved by the Applus+ LGAI ensuring that the required skills are covered by the team. The four qualification levels for team members that are assigned by formal appointment rules as below:

- Leader Auditor (LA)
- Auditor (A)
- Auditor Trainee (T)
- Technical Experts (E)

It is required that the sectoral scope / technical area related to the methodology has to be covered by the assessment team.

The detail regarding the assessment team is provided below in section B.1 and B.2 of this report

Document review

The Project Design Document submitted by the Client was reviewed against the approved methodology and other relevant criteria to verify the correctness, credibility, and interpretation of the presented information. Furthermore, a cross-check between information provided and information from other sources has been done. A complete list of all documents and evidence material reviewed is included in Appendix 3 of this report.

Follow-up interviews

A site visit is conducted by Applus+ LGAI performed interviews, telephone conferences, and physical site inspection with project stakeholders to confirm selected information and to resolve issues identified in the document review. The detail is provided in section C.2 and C.3 of this report

Resolution of Clarification and Corrective Action Request

The objective of this phase of the validation was to resolve the requests for corrective actions and clarification and any other outstanding issues which need to be clarified for Applus+ LGAI's positive conclusion on the project design. The Corrective Action Requests and Clarification Requests raised by Applus+ LGAI were resolved during communications between the Client and Applus+ LGAI to guarantee the transparency of the validation process, the concerns raised and responses given are summarized in Appendix 4 below.

The final PDD version 02 submitted by PP on 16/12/2015 serves as the basis for the final assessment presented. Additional changes to the project during the validation process are not considered to be significant with respect to the main CDM objectives. The two CDM main objectives are the reduction of anthropogenic GHG emissions and the contribution of sustainable development to the host country.

Internal quality control

As final step of a validation of the final documentation including the validation report and the checklist have to undergo an internal quality control by the technical review committee, i.e. each report has to be finally approved either by the head of the technical review committee or the deputy. In case one of these two persons is part of the assessment team approval can only be given by the other one to avoid any conflict of Interest.

After confirmation of the PP the validation opinion and relevant documents are submitted to the EB through the UNFCCC web-platform

Conclusion

Applus+ LGAI has performed a validation of the “Solar Power Project by FortumFinnSurya (EKIESL-CDM.February-15-01)”. The validation was performed on the basis of UNFCCC criteria and host country criteria, as well as criteria, e.g. AMS.I.D version 18, given to provide for consistent project operations, monitoring and reporting.

The review of the project design documentation and the subsequent follow-up interviews have provided Applus+ LGAI with sufficient evidence to determine the fulfillment of stated criteria. In our opinion, the project meets all relevant UNFCCC requirements for the CDM and all relevant host country criteria. The project will hence be recommended by Applus+ LGAI for registration with the UNFCCC.

Applus+ LGAI has received a confirmation from the host Party that the project activity assists it in achieving sustainable development.

By displacing fossil fuel-based electricity with electricity generated from a renewable source, the project results in reductions of CO₂ emissions that are real, measurable and give long-term benefits to the mitigation of climate change. An analysis of the investment and technological barriers demonstrates that the proposed project activity is not a likely baseline scenario. Emission reductions attributable to the project are hence additional to any that would occur in the absence of the project activity. Given that the project is implemented as designed, the project is likely to achieve the estimated amount of annual emission reductions of 19,374 tCO₂e.

The validation has been performed following the requirements of the latest version of the CDM VVS version 09 and on the basis of the contractual agreement. The single purpose of this report is its use during the registration process as part of the CDM/UNFCCC project cycle.

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	OR	Das	SUKANTA	True Quality Certifications Private Limited- Outsourced entity	yes	yes	yes	yes

B.2. Technical reviewer and approver of the validation report

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	Sitjes	Miquel	Applus+ LGAI
2.	Approver	IR	Sendin	Juan	Applus+ LGAI

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

The details of the document observed during the validation process are listed below in Appendix 3 of this report.

C.2. On-site inspection

Duration of on-site inspection:08/10/2015-09/10/2015				
No.	Activity performed on-site	Site location	Date	Team member
1.	Assessment team checked the implementation of the project, Baseline emission, Emission reduction calculation, technical description of the project and Monitoring.	The project is located at Kapeli, Tehsil: Tarana, District : Ujjain, Madhya Pradesh	08/10/2015	Mr. Sukanta Das
2.	Assessment team meet with the local stakeholder and confirmed that there is no grievance resulted from the project activity in and out of the project location. The stakeholder confirmed that the project resulted in employment and improves lifestyles of the personal/families in the nearby villages.	The project is located at Kapeli, Tehsil: Tarana, District : Ujjain, Madhya Pradesh	09/10/2015	Mr. Sukanta Das

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Natu	Rucha	EKI Energy services Limited	08/10/2015	Implementation of the project, monitoring and emission reduction calculations	Mr. Sukanta Das
2.	-	Kamalnath	Farmer	09/10/2015	Local stake holder meeting	Mr. Sukanta Das
3	-	Sailendra	Villager	09/10/2015	Local stake holder meeting	Mr. Sukanta Das

C.4. Sampling approach

The assessment team didn't apply any sampling approach for the project activity..

C.5. Clarification requests, corrective action requests and forward action requests raised

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Global stakeholder consultation	0	0	0
Approval	0	01	0
Authorization	0	0	0
Contribution to sustainable development	0	0	0
Modalities of communication	0	01	0
Project design document	0	04	0
Description of project activity	0	0	0
Application of selected baseline and monitoring methodology and selected standardized baseline			
- Applicability of methodology and standardized baseline	0	0	0
- Deviation from methodology	0	0	0
- Clarification on applicability of methodology, tool and/or standardized baseline	0	02	0
- Project boundary	0	00	0
- Establishment and description of baseline scenario	0	0	0
- Demonstration of additionality	0	01	0
- Emission reductions	0	0	0

- Monitoring plan	0	01	0
Duration and crediting period	0	0	0
Environmental impacts	0	0	0
Local stakeholder consultation	0	01	0
Others (please specify)- ODA declaration	01	0	0
Total	01	11	0

SECTION D. Validation findings

D.1. Global stakeholder consultation

Means of validation	http://cdm.unfccc.int/Projects/Validation/DB/LPL9971458EQQL4QK1KR9GRL746JWD/view.html The UNFCCC web page is checked to confirm the GSC comments.
Findings	No comments received during the GSC period
Conclusion	No comments received during the GSC period

D.2. Approval

Means of validation	The Approval is provided by the Indian DNA (Ministry of Environment and Forest, Govt of India). Assessment team checked the HCA supplied by the project participant and also cross checked the same from the web site (http://www.cdmindia.gov.in/). The HCA confirms the approval of Indian DNA which is the party to Kyoto protocol and confirms that project is vide by the guideline of CDM
Findings	During the validation process a CAR was raised regarding the approval issue from one of the party involved in the project as per the requirement of VVS version 09. The detail CAR 1 is mentioned below in appendix 4 of this report
Conclusion	Assessment team confirms that the project is approved from Indian DNA and thus the same is in line with VVS version 09. The HCA confirms that <ul style="list-style-type: none"> ➤ the Party is a Party to the Kyoto Protocol ➤ Participation is voluntary; ➤ the proposed project activity contributes to the sustainable development of the country; ➤ HCA refers to the precise proposed project activity title in the PDD being submitted for registration. ➤ HCA is unconditional with respect to above items

D.3. Authorization

Means of validation	The Authorisation is provided by the Indian DNA (Ministry of Environment and Forest, Govt of India). Assessment team checked the HCA supplied by the project participant and also cross checked the same from the web site (http://www.cdmindia.gov.in/). The HCA confirms the authorisation of Indian DNA which is the party to Kyoto protocol and confirms that project is vide by the guideline of CDM
Findings	During the validation process a CAR was raised regarding the authorisation issue from one of the party involved in the project as per the requirement of VVS version 09. The detail CAR 1 is mentioned below in appendix 4 of this report
Conclusion	Assessment team confirms that the project is authorised from Indian DNA and thus the same is in line with VVS version 09. The HCA confirms that

	<ul style="list-style-type: none"> ➤ the Party is a Party to the Kyoto Protocol ➤ Participation is voluntary; ➤ the proposed project activity contributes to the sustainable development of the country; ➤ HCA refers to the precise proposed project activity title in the PDD being submitted for registration. ➤ HCA is unconditional with respect to above items
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D.4. Contribution to sustainable development

Means of validation	The Approval is provided by the Indian DNA (Ministry of Environment and Forest, Govt of India). Assessment team checked the HCA supplied by the project participant and also cross checked the same from the web site (http://www.cdmindia.gov.in/). The HCA confirms the approval of Indian DNA which is the party to Kyoto protocol and confirms that project is vide by the guideline of CDM. The HCA confirms that the project will contribute to the sustainable development.
Findings	During the validation process a CAR was raised regarding the authorisation issue from one of the party involved in the project as per the requirement of VVS version 09. The detail CAR 1 is mentioned below in appendix 4 of this report
Conclusion	<p>Assessment team confirms that the project is authorised from Indian DNA and thus the same is in line with VVS version 09.</p> <p>The HCA confirms that</p> <ul style="list-style-type: none"> ➤ the Party is a Party to the Kyoto Protocol ➤ Participation is voluntary; ➤ the proposed project activity contributes to the sustainable development of the country; ➤ HCA refers to the precise proposed project activity title in the PDD being submitted for registration. ➤ HCA is unconditional with respect to above items. <p>The project activity is in line with sustainable development policies of the country and national regulation / policy on Environmental Protection, Electricity and Non-Conventional Energy. Nevertheless in the Host Country Approval, it is stated that the project participant (PP) has to comply with the following conditions:</p> <ul style="list-style-type: none"> • PP shall not sell the CERs to any agency /company/ organization which purchases the CERs using ODA Funds • PP shall inform the national CDM Authority regarding all transaction details of CERs including the name and address of the party to which CERs were sold within 30 days of transfer of the CERs • PP shall furnish expeditiously any information, during the lifetime of the project as requested by the National CDM Authority. • PP shall obtain all statutory clearances and other approvals as required from the competent authorities for setting up of the project • All transaction shall be subject to supervision of the Executive Board of the CDM, under the authority and guidance of the COP/MOP • This approval is not transferable. The authority reserved the rights to revoke this Host Country Approval if the conditions stipulated in this approval are not complied with to the satisfaction of the National CDM Authority. <p>All the above conditions are met and same is checked by the assessment team from</p>

	the host country approval and found correct.
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D.5. Modalities of communication

Means of validation	Assessment team checked the MOC supplied by the project participant and found that the latest form applicable in the UNFCCC web site is used and signing authority has the power to sign the same on behalf of PP.
Findings	Assessment team raised concern regarding the MOC signing and supporting document. The detail of the same is mentioned as CAR 2 in this report and the same is closed successfully
Conclusion	Assessment team checked the supporting MOC signed and the declaration that MOC is signed by the approved person on behalf of the organisation. The same is as per the requirement of VVS version 09 and thus assessment team confirm that the MOC is correct and accurate.

D.6. Project design document

Means of validation	The guideline for completing CDM form version 06 for small scale project activity is checked by the assessment team
Findings	The PDD version 01 submitted to the DOE is not in compliance with CDM form version 05 for small scale project activity in some sections. As a corrective measure CAR 03, 04, 05 and 06 were raised during the validation process. Please refer appendix 4 of this report for detail of NC raised and the closure.
Conclusion	CAR 03, 04, 05 and 06 are closed based on revision in the PDD and in compliance with CDM form version 05 for small scale project activity. The PDD version 02 is thus acceptable to the assessment team.

D.7. Description of project activity

Means of validation	<p>The main purpose of this project is to generate clean form of electricity through renewable solar energy source. FortumFinnSurya Energy Pvt. Ltd. is the promoter of the proposed project activity. The project activity involves installation of 12 MWp(10 MW AC) solar power project at Ujjain, Madhya Pradesh</p> <p>The technical details were checked by the assessment team from the details available from the manufacturers (2nd party). The implementation status was checked during the validation site visit.</p> <p>Project activity is of the capacity of 12 MWp(10 MW AC). As per the glossary of CDM terms version 07 the capacity of the project is below 15 MW type I small scale project activity and thus acceptable to the assessment team. The technology being employed is well proven, safe & sound. No technology transfer to host party is there due to project activity. The project activity will remain in the cap of type I project activity throughout the crediting period.</p> <p>The assessment team also checked Detailed project report (DPR) to cross check the capacity. The commissioning certificate is also checked by the assessment team and found that the capacity of the project is 12 MWp (10 MW AC).</p> <p>As per the provisions prescribed in "Clean development mechanism project standard" and further referring to "Guidelines on assessment of de-bundling for SSC project activities" according to which EB 54, Annex 13, Para 2, "A small project activity shall be deemed to be a de-bundled component of large scale project activity, if there is a registered small scale CDM project activity or an application to register another small scale CDM project activity.</p> <ul style="list-style-type: none"> • With the same project participants
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	<ul style="list-style-type: none"> • In the same project category and technology • Registered within the previous two years; and • Whose project boundary is within 1 km of the project boundary of the proposed small scale activity” <p>Assessment team hereby confirms that PP have not registered any small scale CDM activity or applied to register another small scale CDM project activity within 1 km of the project boundary, in the same project category and technology/measure in previous 2 years. The same is checked from the UNFCCC web site of the same location in and around the project activity and DOE confirms that the above criteria is met and fulfilled.</p> <p>This means that the project activity does not fall under the de-bundled category and qualifies for small scale CDM Project.</p>
Findings	No findings are raised related to the project activity
Conclusion	The project activity description, capacity limitation and de-bundling criteria are checked and found correct by the assessment team. The PDD mentions all the criteria properly and found correct by the assessment team.

D.8. Application of selected baseline and monitoring methodology and selected standardized baseline

D.8.1. Applicability of methodology and standardized baseline

Means of validation	<p>The assessment team has validated the documentation referred to in the PDD and verified the documentation content for verifying the justification of the applicability of the methodology and confirmed that the documentation referred to in the PDD is correctly quoted and interpreted. The assessment team has also crosschecked the information provided in the PDD with the documentation other than from the PDD based on the local and sectoral knowledge of the assessment team. Following documentation has been reviewed by the assessment team:</p> <ul style="list-style-type: none"> - Site visit - Interview with the concerned person mentioned in this report - Technical detail analysis of the power plant from the documents submitted by the manufacturer. - DPR - Commissioning Certificate <p>The assessment of the project's compliance with the applicability criteria of AMS.I.D version 18 are documented in detail in section B.2 of the PDD.</p>
Findings	No CAR raised
Conclusion	<p>The applied baseline methodology is justified as it has been demonstrated that the proposed project activity is:</p> <ul style="list-style-type: none"> - Applicability 1: The project activity is a Renewable Energy Project i.e. Solar Power Project which falls under applicability criteria option 1 (a) i.e., “Supplying electricity to a national or a regional grid”. - Applicability 2: Project supplies electricity to a national/regional grid - Applicability 3: The project is installation of new Solar based electricity generation plants (not addition to existing system). Option (a) is applicable of the method is applicable. - Applicability 4: The project is Solar power project and thus the criterion is not applicable to this project activity. - Applicability 5: The project activity is a 12MWp(10 MW AC) Solar electricity

	<p>generation. Unit does not co-fire fossil fuels. Hence the criterion is not applicable to the project activity.</p> <p>- Applicability 6: The Project activity is a renewable Solar energy project and is not a combined heat and power system. Hence the criteria is not applicable to the project activity</p> <p>-Applicability 7: The project activity is Greenfield and there is no existing power generation facility at the site. Hence the criteria is not applicable to the project activity</p> <p>-Applicability 8: The Solar project is a Green field project activity and this project is not the enhancement or up gradation project. Hence the criteria is not applicable to the project activity</p> <p>Applus+ LGAI confirms that the application of the baseline methodology is transparent and conservative, and confirms that the chosen baseline and monitoring methodology i.e. AMS.I.D version 18 is applicable to the project activity.</p>
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D.8.2. Deviation from methodology

Means of validation	AMS.I.D version 18 and PDD version 01 is checked by the assessment team
Findings	NA
Conclusion	The deviation of the methodology is not a requirement as the project activity fulfils the requirement of the applied methodology AMS.I.D version 18

D.8.3. Clarification on applicability of methodology, tool and/or standardized baseline

Means of validation	AMS.I.D version 18 and PDD version 01 is checked by the assessment team
Findings	The applicable tools referred by the methodology are not mentioned properly in the PDD version 01. This resulted into CAR 07, CAR 09 and the details regarding the NC and closure is mentioned in Appendix 4 of this report
Conclusion	The tools referred by the methodology are now mentioned in the revised PDD version 02 and thus the same is acceptable to the assessment team.

D.8.4. Project boundary

Means of validation	The project boundary as depicted in the PDD version 01 is checked during the validation site visit and also during the interview with the plant official.			
Findings	No NC raised			
Conclusion	The spatial extent of project boundary diagram referred by the methodology is now mentioned in the revised PDD version 02 as per the requirement of applied methodology and thus the same is acceptable to the assessment team. The below table mentions the emission source:			
		Sources	GHGs involved	Description
	Baseline Emissions	NEWNE grid	CO ₂	Carbon Dioxide
	Project Emissions	NA	NA	NA

D.8.5. Establishment and description of baseline scenario

Means of validation	The baseline scenario as depicted in the PDD version 01 is checked during the validation site visit and also during the interview with the plant official.
Findings	NA
Conclusion	Being a grid connected solar energy generation project, PP developed the project based on the Methodology AMS I-D Ver. 18. As per the methodology <i>"The baseline</i>

	<p><i>scenario is that the electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid."</i></p> <p>As per VVS version 09, "where the baseline scenario is not prescribed in the approved methodology, the DOE shall assess the list of identified credible alternatives to the project activity in the PDD selected to determine the most realistic baseline scenario." Thus, PDD should mention the credible alternatives to the project activity in order to determine the most realistic baseline scenario. As the selected small scale methodology clearly mention the baseline scenario and the same has been opted in this project, therefore, no further analysis on baseline is required.</p> <p>Validation Team, therefore, concludes that the PDD conforms to the guidance given by EB via VVS version 09</p>
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D.8.6. Demonstration of additionality

Means of validation	The commissioning certificate, Detailed project report is checked to confirm the capacity and additionality of the project
Findings	Assessment team raised concern regarding the additionality and supporting document. The detail of the same is mentioned as CAR 08 in this report and the same is closed successfully
Conclusion	<p>As per the "Guidelines on the demonstration and assessment of prior consideration of the CDM, EB 62 Annex 13, as the start date of the project is after 2nd August 2008 , PP needs to intimate DNA and UNFCCC regarding the serious CDM consideration. Assessment team checked the intimations to DNA and UNFCCC and found the intimation was done within 180 days of project start date which is the purchase order placed for the Solar panel</p> <p>Moreover, as per 'Glossary of CDM terms (Version 07)', "earliest real action for this project activity was taken on 20/06/2014. Hence, this date has been treated as the start date of the project activity among the bundle</p> <p><i>In the above background Validation Team concludes that the additionality justification regarding the serious CDM consideration given by the project developer is in accordance with the requirements derived from VVS version 09.</i></p> <p>As per the 'Guidance on demonstration of Additionality of small scale Project Activity' (version 09), a positive list of grid-connected renewable electricity generation technologies are listed that are automatically defined as additional, without further documentation of barriers. The positive list comprises of the following grid-connected renewable electricity generation technologies of installed capacity up to 15 MW:</p> <ol style="list-style-type: none"> 1) Solar technologies (photovoltaic and solar thermal electricity generation); 2) Off-shore wind technologies; 3) Marine technologies (wave, tidal). 4) Building-integrated wind turbines or household rooftop wind turbines of a size up to 100 kW; <p>Since the project activity is a solar photovoltaic electricity generation project of capacity 12MWp (10 MW AC), it can be concluded from the above list that the project activity is automatically additional and does not require any further demonstration of barriers.</p>

D.8.7. Emission reductions

Means of validation	The emission reduction sheet, CEA database version 10 and PDD version 02 is checked by the assessment team.
Findings	No findings raised
Conclusion	The baseline emissions as discussed in section B.6.1 will include emissions that would have occurred in the absence of the project activity. The emission reduction

calculation has been done as per the SSC methodology AMS-I.D., Version 18.0.

Baseline Emission (BE_y):

$$BE_y = EG_{PJ,y} \times EF_{grid,y} \text{-----}(1)$$

Where

BE_y = Baseline Emissions in year y; (tCO₂)

EG_{pj,y} = Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y (MWh)

EF_{grid, y} = Grid emission factor (MWh/tCO₂)

PP has estimated the baseline energy generation considering the capacity of the project activity, yearly generation hour and plant load factor.

Baseline emission factor is calculated as combined margin, consisting of a combination of operating margin (OM) and build margin (BM) factors according to the procedure prescribed in the "Tool to calculate the emission factor for an electricity system" version 10.0 which is sourced from CEA, Govt. of India and forms the part of emission reduction calculation. The baseline emission factor calculation is checked by the validation team and found that the calculation is transparent and conservative.

For estimating the operating margin emission factor, PP calculated ex-ante Simple Operating Margin (OM). As per the "Tool to calculate the emission factor for an electricity system": for grid power plants, use a 3-year generation-weighted average, based on the most recent data available at the time of submission of the CDM-PDD to the DOE for validation. Hence, PP considered the weighted average of latest net electricity generation and import of electricity and associated emission from CEA. The value of operating margin considered as 0.9862tCO₂ /MWh and the value of build margin as 0.9495tCO₂ /MWh (based on the latest one year data). Validation team checked the estimation procedure and considered data and found transparent and conservative. Emission factor of the project considered is mentioned below:

EF_{grid, y} = 0.9770 tCO₂e/MWh and it is fixed ex ante for the crediting period.

Considering this process, combined margin emission factor has been considered and same value is confirmed correct.

Project Emissions:

As Solar technology is a renewable energy source and as per the AMS I.D. version 18 there are no project related emissions associated with it, therefore, PE_y = 0.

Leakage Emissions:

As per the AMS I.D. version 18, if the energy generating equipment is transferred from another activity or if the existing equipment is transferred to another activity, leakage is to be considered.

No equipment transfer of any type is taking place as all equipment is procured newly. Hence the leakage is considered as zero, LE_y = 0

Emission Reductions:

	<p>The project activity reduces carbon dioxide emissions through displacement of grid electricity generation with predominantly fossil fuel based power plants¹ by renewable electricity. The emission reduction (ER_y) due to project activity during a given year y is calculated as the difference between baseline emissions (BE_y), project emissions (PE_y) and emissions due to leakage (LE_y), as per the formulae given below:</p> $ER_y = BE_y - PE_y - LE_y$ <p>Where,</p> <p>BE_y = Baseline emissions in the year y in tCO_{2e} PE_y = Project emissions in the year y. LE_y = Emissions due to leakage in the year y.</p> <p>Here,</p> <p>PE_y = 0 for the project activity as per the methodology. LE_y = 0 for the project activity.</p> <p>Therefore, $ER_y = BE_y$.</p>
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D.8.8. Monitoring plan

Means of validation	Assessment team checked the monitoring practice onsite and found that the same is correct.
Findings	Assessment team raised concern regarding the Monitoring and supporting document. The detail of the same is mentioned as CAR 10 in this report and the same is closed successfully
Conclusion	<p>The monitoring plan of the PDD followed the approved monitoring methodology AMS.I.D version 18 which is the latest version available. The same is checked by the assessment team and found correct.</p> <p><u>Parameters determined ex-ante:</u></p> <p>Baseline emission factor of NEWNE Grid is establish ex-ante based on Tool to calculate the grid emission factor, using a combined approach consisting 75 % operating margin and 25 % build margin. The emission coefficient from official data published in Central Electricity Authority (CEA) CO₂ Baseline database available to the project participant at the time of submission of PDD for validation and global stakeholder's consultation process. CEA is an official source of Ministry of Power, Government of India have worked out baseline as CO₂ baseline database. The assumption were verified by the validation team and found to be correct.</p> <p><u>Parameters determined ex-post:</u></p> <p>The parameters monitored ex-post involves net electricity supplied to the grid (calculated from electricity exported and imported) to the NEWNE grid by the project activity.</p> <p>As per the applied methodology AMS I.D Version 18 "Monitoring shall consist of metering the net electricity supplied by the project activity to the grid. Measurement results shall be cross-checked with records for sold electricity".</p>

¹http://www.cea.nic.in/power_sec_reports/general_review/0304/tables.pdf

	<p>In accordance with the methodology requirement, net electricity supplied by the project activity is obtained from Meter Reading Statement issued by MPPKVVCL which provide input values ($EG_{\text{export},y}$ & $EG_{\text{import},y}$), used for calculation of $EG_{PJ,y}$.</p> <p>Electricity export to the grid and import from the grid is metered by main and check tri-vector energy meters. The main meter reading is taken jointly on a fixed day of every month for the preceding month at the delivery point and signed by the representatives of state utility and O&M personnel. In the event of failure of main meter, the check meter will be used in monitoring the electricity data. The validation team therefore is of the opinion that the project participant through the O&M agency is capable of implementing the monitoring plan in the context of the project activity.</p> <p>Calibration of all the meters is done by state electricity board officials as per the industry standards. Calibration of the meters however will be done once in 5 years</p> <p>It is reported that the data will be kept for 2 years following the end of the crediting period.</p> <p>The responsibilities and authorities of project management, data handling and recording, measurement methods and QA/QC procedure have been systematically established and formalized and the same was verified during the site visit.</p>
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D.9. Duration and crediting period

Means of validation	The PDD version 02 is checked by the assessment team
Findings	NA
Conclusion	PDD version 02 mentions renewal crediting period and the same is acceptable to the assessment team.

D.10. Environmental impacts

Means of validation	The guideline provided by MOEF is checked by the assessment team http://envfor.nic.in/legis/eia/so1533.pdf
Findings	NA
Conclusion	The project activity is expected to have positive impacts and no significant adverse environmental impacts are foreseen. Since, the project activity is an electricity generation from renewable source (i.e. Solar energy) therefore no negative impact are envisaged. There is no mandatory legal requirement for carrying out an environmental impact assessment in the host country. The Ministry of Environment and Forests (MoEF), Government of India (GoI) notification ² dated September 14, 2006 regarding the requirement of Environment Impact Assessment (EIA) studies states that any project developer in India needs to file an application to the Ministry of Environment and Forests (including a public hearing and an EIA) in case the proposed industry or project is listed in a predefined list. The list includes thirty nine project activities that require EIA studies. The Solar power projects are not included in this list and thus an EIA study is not required.

D.11. Local stakeholder consultation

Means of validation	The local stakeholder consultation MOM, attendance sheet is checked by the assessment team. During the validation site visit assessment team also interviewed some of the stakeholder present during the meeting with PP.
Findings	Assessment team raised concern regarding the stakeholder consultation meeting and supporting document. The detail of the same is mentioned as CAR 11 in this report and the same is closed successfully

²<http://envfor.nic.in/legis/eia/so1533.pdf>

Conclusion	<p>As per the CDM requirements, it is necessary to invite the relevant stakeholders, before the validation process starts. All the stakeholders have been invited through submission of the invitation letter (delivered in hand) to attend the stakeholders meeting. The local stakeholders' consultation meeting was attended by local persons including local villagers, local vendors and technology suppliers.</p> <p>The stakeholders identified by the project participant were local villagers who are the major population of the particular area, local communities and gram panchayat (Village head) and other people involved in the project. Validation team verified the list of participants who attended the stakeholder meeting and feedback questionnaire and confirms the stakeholders identified are relevant. The validation team also verified the minutes of meeting to note that no negative comments were received and the same was cross checked with the information obtained during follow up interviews with the stakeholder's.</p> <p>Thus Validation team is of the opinion that the stakeholder meeting was adequate and appropriate.</p>
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SECTION E. Internal quality control

As final step of a validation of the final documentation including the validation report and the checklist have to undergo an internal quality control by the technical review committee, i.e. each report has to be finally approved either by the head of the technical review committee or the deputy. In case one of these two persons is part of the assessment team approval can only be given by the other one to avoid any conflict of Interest.

After confirmation of the PP the validation opinion and relevant documents are submitted to the EB through the UNFCCC web-platform

SECTION F. Validation opinion

Applus+ LGAI has performed a validation of the "Solar Power Project by FortumFinnSurya (EKIESL-CDM.February-15-01)". The validation was performed on the basis of UNFCCC criteria and host country criteria, as well as criteria, e.g. AMS.I.D version 18, given to provide for consistent project operations, monitoring and reporting.

The review of the project design documentation and the subsequent follow-up interviews have provided Applus+ LGAI with sufficient evidence to determine the fulfillment of stated criteria. In our opinion, the project meets all relevant UNFCCC requirements for the CDM and all relevant host country criteria. The project will hence be recommended by Applus+ LGAI for registration with the UNFCCC.

Applus+ LGAI has received a confirmation from the host Party that the project activity assists it in achieving sustainable development.

By displacing fossil fuel-based electricity with electricity generated from a renewable source, the project results in reductions of CO₂ emissions that are real, measurable and give long-term benefits to the mitigation of climate change. An analysis of the investment and technological barriers demonstrates that the proposed project activity is not a likely baseline scenario. Emission reductions attributable to the project are hence additional to any that would occur in the absence of the project activity. Given that the project is implemented as designed, the project is likely to achieve the

estimated amount of annual emission reductions of 19,374 tCO₂e / annum within the final PDD version.

The validation has been performed following the requirements of the latest version of the CDM VVS version 09 and on the basis of the contractual agreement. The single purpose of this report is its use during the registration process as part of the CDM project cycle.

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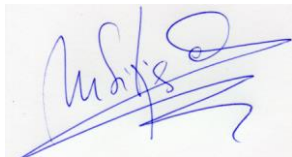
Assessment team: Sukanta Das (Team Leader / Leader Auditor)



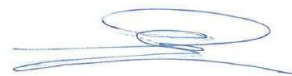
DOE Representative: Natalia Rodrigo Vega



DOE TechnicalReviewer: Miquel SitesCabanas



Approver, Juan Sendin Caballero. LGAI ApplusManaging Director



Appendix 1. Abbreviations

Abbreviations	Full texts
ACM	Approved Consolidated Methodology
AM	Approved Methodology
APERC	Andhra Pradesh Electricity regulatory commission
AMS	Approved Methodology Small Scale
Applus+ LGAI	LGAI Technological Center, S.A. (Applus)
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM EB	CDM Executive Board
CER	Certified Emission Reduction
CL	Clarification Request
CM	Combined Margin
CMP	Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol
DNA	Designated National Authority
DPR	Detailed project report
DOE	Designated Operational Entity
EF	Emission Factor
EIA	Environmental Impact Assessment
ER	Emission Reduction
FAR	Forward Action Request
FSR	Feasibility Study Report
GHG	greenhouse Gas(es)
IPCC	Intergovernmental Panel on Climate Change
IRL	Information Reference List
VVS	Validation and verification standard

Appendix 2. Competence of team members and technical reviewers

1. Mr. Sukanta DAS, has done M. SC in (Electronics and Photonics) and M. Tech in (Energy technology) from Tezpur Central University/ Indian Institute of technology Bombay in India. He is a certified lead auditor for ISO 14001 EMS LA and ISO 9001 QMS LA from International registry for Certified Auditors (IRCA) and Certified Lean Management practitioner from Quality Council of India (QCI). He has more than eight years of working experience at TUV NoRD/ Re-consult/CRA/APPLUS certifications under various categories of projects stating from Renewable

to waste to supercritical projects. He was JI/ CDM Lead Assessor in TUV NoRD and was involved in more than 100 CDM validation and verifications activities in Gold Standard, VCS, CDM projects as a team leader/technical reviewer / validator / verifier covering the sectoral scope 1, 13 technical areas 1.2/1.1/13.1. Currently he is associated with True Quality Certifications Private Limited and is empanelled with APPLUS certification to carry out GHG audit.

2. Mr. Miquel Sitjes Cabanas has a Bachelor Science degree in Chemistry by the Universidad de Barcelona - Spain (1975). He has 15 years of experience in a Spanish chemical group company specialized in the manufacturing of raw chemical products, where he worked as the Manager of Production and Quality and Environmental Control. He also worked in the Spanish pharmaceutical industry for 7 years as Quality, Manufacturing and Environmental Manager. Currently, he works for Applus+ LGAI Technological Center since 1999. Since 2006, he is the Technical Manager of Applus+LGA, working under quality, and environmental standards such as ISO 9001, ISO 14001, GHG Verification, CDM, VCS and GS.

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	NA	Detailed project report (for technical specifications, PLF and capacity)	Nexus Energy Tech Private Limited dated 01-June-2014	Project participant
2	NA	Contract of the project participant with the DOE	Contract document signed between PP and DOE	Project participant
3	NA	Intimation to UNFCCC	Prior consideration emailssent on 13/12/2014	Project participant
4	NA	Webhosted PDD for GSC comment- version 01 Final PDD based on which opinion is provided- version 02	30/07/2015 16/11/2015	Project participant
5	NA	Emission reduction calculation sheet- version 01	30/07/2015	Project participant
6	NA	NOC from pollution control board	NOC obtained from PCB dated 17/12/2013	Project participant
7	NA	The operational lifetime of the project activity from the manufacturer=(Technical specefications)	Manufacturer technical specifications	Project participant
8	NA	The stakeholder consultation process documents: 1. List of attendee 2. Minutes of meeting Feedbacks from the stakeholders	MOM and attendance sheet of the meeting	Project participant
9	NA	AMS I D version 18 "Grid connected	UNFCCC CDM web site	UNFCCC

		renewable electricity generation”		
10	NA	<p>RBI: Reserve Bank of India www.rbi.org.in</p> <p>Ministry of Environment and forest: www.envfor.nic.in</p> <p>UNFCCC www.cdm.unfccc.int</p> <p>CEA: Central electricity authority www.cea.nic.in</p> <p>Income tax act 1961 http://law.incometaxindia.gov.in/DIT/</p>	Reference link is provided.	Independent Search
11	NA	<p>Tools/ guidelines used in the project activity</p> <ul style="list-style-type: none"> • Clarification on national and/or sectoral policies Para 27 EB 55 • Guidelines for the reporting and validation of Plant Load Factor Annex 11 EB 48 • Guidelines on the demonstration and assessment of Prior Consideration of the CDM EB 62 Annex 13 • Guideline for the demonstration of investment analysis Annex 05 EB62 • Tool to determine the remaining lifetime of the project activity in line with Annex 15 EB 50 • Tool to calculate project or leakage CO₂ emissions from fossil fuel combustion, Version 2, EB 41 • Tool to calculate the emission factor for an electricity system version 03 • Glossary of CDM terms version 07 • Guideline for completing the PDD form for small scale CDM project activity version 5.0 	UNFCCC CDM web site	UNFCCC
12	NA	Letter of ODA from the PP	ODA letter	Project Participant

13	NA	VVS- Validation and verification standard version 09 PS- Project standard version 09 PCP- project cycle procedure version 09	CDM web site	UNFCCC
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Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CL from this validation

CL ID	01	Section no.	NA	Date: 19/10/2015
Description of CL				
The Project Participant is requested to provide documentation to confirm there is no public funding of the proposed CDM project activity.				
Project participant response				Date: 16/12/2015
<i>Documentary evidence to confirm the no public funding of the proposed CDM project activity is now been submitted to DOE.</i>				
Documentation provided by project participant				
ODA letter dated 25/11/2015				
DOE assessment				Date: 17/01/2016
ODA dated 25/11/2015 is checked and found correct. The same is found to be correct. Hence CAR is closed.				

Table 2. CAR from this validation

CAR ID	01	Section no.	NA	Date: 19/10/2015
Description of CAR				
In accordance with CDM Project Standard, Version 09.0 (Project Standard), the APPLUS Project Team requires a letter of approval provided by the DNA - National CDM Authority (NCDMA) Ministry of Environment & Forests, for the Party involved in the proposed Project Activity. The APPLUS Project Team requests letter of approval when available, and before the request for registration can be submitted.				
Project participant response				Date: 16/12/2015
The PP has applied for letter of Approval to NCDMA, and the same is now submitted to the DOE				
Documentation provided by project participant				
Letter Of Approval submitted				
DOE assessment				Date: 17/01/2016
HCA dated 16 November 2015 is checked by the assessment team and found that the same is correct and appropriate. CAR is thus closed.				

CAR ID	02	Section no.	NA	Date: 19/10/2015
Description of CAR				
In accordance with the Project Standard Version 07.0, the APPLUS Project Team requests that the Project Participant submit the Modalities of Communication (MoC) statement.				
Project participant response				Date: 16/12/2015
As required, the PP is now submitting the MOC to the DOE dated 24/11/2015				
Documentation provided by project participant				
MOC documents dated 24/11/2015				
DOE assessment				Date: 17/01/2016

MOC dated 24/11/2015 is checked and found correct. Assessment team also checked the undertaking mentioning the concerned person responsible for signing the MOC on behalf of PP. The requirement checked is as per VVS version 09. On submission of proper documentation, CAR is closed.

CAR ID	03	Section no.	Section A.1.1	Date: 19/10/2015
Description of CAR				
In accordance with the Attachment "Instructions for filling out the project design document form for small-scale CDM project activities" at the end of "Project design document form for small-scale CDM project activities" Version 05.0, the APPLUS Project Team has the following observation:				
<ol style="list-style-type: none"> 1. The version of tool referred in section A.1 is not provided. 2. The sectoral scope(s) and type of the project activity has not been mentioned in section A.1 of PDD. 3. The terminology "Project Proponent" is not correct as per "Glossary CDM terms". Please check the same throughout the PDD. 				
Corrective action is sought for the above queries.				
Project participant response				Date: 16/12/2015
In accordance to the observations, mentioned following changes in the revised version 02 of PDD is made:				
<ol style="list-style-type: none"> 1. Version 04.0 of the tool applicable "Tool to calculate the emission factor for an electricity system" is now mentioned in section A.1 of revised PDD. 2. Sectoral scope and type of the project activity is been mentioned. 				
Terminology "Project proponent" is now corrected throughout, in the revised version of PDD.				
Documentation provided by project participant				
Revised version of PDD version 02				
DOE assessment				Date: 17/01/2016
The revised PDD version 02 is checked by the assessment team and found following:				
<ol style="list-style-type: none"> 1. The version and tool are now corrected 2. The terminology is now also corrected in the revised PDD 				
Based on the above revision CAR is closed.				

CAR ID	04	Section no.	Section A.2.1	Date: 19/10/2015
Description of CAR				
During the desk review APPLUS team observed that the geographical map addressing the project activity site is missing in the PDD. Corrective action is sought in this regard.				
Project participant response				Date: 16/12/2015
In accordance to the PDD filling guideline the geographical map addressing the Project activity is been updated in the revised version of PDD.				
Documentation provided by project participant				
Revised version of PDD version 02				
DOE assessment				Date: 17/01/2016
The geographical map is now clearly visible in the revised PDD. Assessment team also checked the location via Google map and thus confirm that the latitude and longitude provided are correct. The location is distinct from the map and thus based on the above revision in the PDD CAR is closed.				

CAR ID	05	Section no.	Section A.3.1	Date: 19/10/2015
Description of CAR				
<p>The Section A.3 of the PDD is not in accordance with the GUIDELINES FOR COMPLETING THE PROJECT DESIGN DOCUMENT FORM in following manner.</p> <p>The description of the "Technologies and/or measures" in Section A.3 does not include a list of the facilities, systems and equipment that will be installed by the project activity.</p> <p>The description of the "Technologies and/or measures" in Section A.3 does not include the information about the age and average lifetime of the equipment based on manufacturer's specifications and industry standards.</p> <p>The description of the "Technologies and/or measures" in Section A.3 does not include the monitoring equipments and their location in the systems.</p> <p>The Project Participants are requested to revise the PDD to include the required information.</p>				
Project participant response				Date: 16/12/2015
<p>Section A.3 of the PDD is been made consistent in accordance to the GUIDELINES FOR COMPLETING THE PROJECT DESIGN DOCUMENT FORM to account following observations:-</p> <ol style="list-style-type: none"> 1. The description of the "Technologies and/or measures" in Section A.3 has now been incorporated in the revised PDD 2. Information about the source of age and average life time of the equipment is been provided in the revised version of PDD. <p>Metering equipment's and their location in the systems are now, part of the revised PDD.</p>				
Documentation provided by project participant				
<ol style="list-style-type: none"> 1. Revised version of PDD version 02 2. DPR 				
DOE assessment				Date: 17/01/2016
<p>Assessment team checked the revised PDD and technical specifications and conclude the following:</p> <ol style="list-style-type: none"> 1. The technology description is now incorporated in the revised PDD. The same is in conjugation with the technical specification submitted to the DOE. 2. The age and lifetime of the equipment forms the part of revised PDD. The same is checked from the technical specification provided to the DOE 3. Metering system now forms the part of revised PDD <p>Based on the above revisions in the PDD and cross checking the data from the technical specifications, the CAR is deemed closed.</p>				

CAR ID	06	Section no.	Section B.1.1	Date: 19/10/2015
Description of CAR				
<p>The PP is not included the tool "Tool to calculate project or leakage CO2 emission from fossil fuel combustion" in list of tools applicable with applied methodology. Please clarify.</p>				
Project participant response				Date: 16/12/2015
<p>Tool to calculate project or leakage CO2 emission from fossil fuel combustion" does not refers to the said project activity, as this is a green-field Solar power project, so the emissions associated with the project and leakage are not applicable, and shall not be included under the section. Moreover the methodology itself considered the leakage emissions for the Solar project to be zero.</p>				
Documentation provided by project participant				
Revised version of PDD version 02				
DOE assessment				Date: 17/01/2016
<p>The project activity is a Greenfield project and thus project and leakage emission is not applicable for the project activity. Thus the CAR is closed as tool is not required for the project activity.</p>				

CAR ID	07	Section no.	Section B.4.6	Date: 19/10/2015
Description of CAR				
In order to confirm that Data Source used for calculation of grid emission factor is the latest available data at the time of PDD webhosting, the assessment team request that the Project Participant mention the date of publication of CEA data for Grid Emission Factor in the table in Section B.4 of the PDD.				
Project participant response				Date: 16/12/2015
In the revised version of PDD the Date of publication of CEA data for Grid Emission Factor in the table in section B.4 is been added.				
Documentation provided by project participant				
Revised version of PDD version 02				
DOE assessment				Date: 17/01/2016
The latest applicable version of grid emission factor published by Govt of India forms the part of revised PDD. The revision is acceptable as the version was applicable when PDD version 01 was submitted to the DOE for validation. Based on this revision CAR is closed.				

CAR ID	08	Section no.	Section B.5.2	Date: 19/10/2015
Description of CAR				
During the desk review of the PDD and onsite visit document verifications, APPLUS team observed following inconsistency in the additionality determination :				
1. Prior consideration document is not submitted to the DOE				
Corrective action is sought in the PDD section B.5 and supporting documentation is requested for further analysis.				
Project participant response				Date: 16/12/2015
<i>Prior consideration document as required for the purpose of additionality determination is now provided date of prior consideration form sent constitutes part of PDD section B.5.</i>				
Documentation provided by project participant				
1. Revised version of PDD version 02 and supporting documents for prior consideration				
DOE assessment				Date: 17/01/2016
The prior consideration is now submitted to the assessment team. The same is checked and found correct. CAR is thus closed.				

CAR ID	09	Section no.	Section B.6.2.1	Date: 19/10/2015
Description of CAR				
During the desk review it was observed that the Version of CEA database is not mentioned appropriately in section B.6.1 of the PDD. Corrective action is sought.				
Project participant response				Date: 16/12/2015
Appropriate version of CEA database is been updated in section B.6.1 and throughout the revised version of PDD.				
Documentation provided by project participant				
Revised version of PDD version 02				
DOE assessment				Date: 17/01/2016
The applied version of CEA database is now forms the part of revised PDD. The same is checked by the assessment team and found correct. Hence CAR is closed.				

CAR ID	10	Section no.	Section B.7.1.1	Date: 19/10/2015
Description of CAR				
During the site visit it was observed that the monitoring practice followed onsite is not provided in the PDD. Corrective action is sought regarding same.				
Project participant response				Date: 16/12/2015
The monitoring plan is been revised in the PDD, in accordance to the actual practice followed at the site				
Documentation provided by project participant				
Revised version of PDD version 02				
DOE assessment				Date: 17/01/2016
The Monitoring practice followed onsite is now clear and the same is mentioned in the revised PDD version 02. The metering details, calibration frequency, invoicing part are explained clearly now in section B.7.1 of the revise PDD version 02. Based on the revision CAR is closed.				

CAR ID	11	Section no.	Section E.1.1	Date: 19/10/2015
Description of CAR				
During the desk review related to stakeholder consultation following observation is made by the APPLUS project team:				
<ol style="list-style-type: none"> 1. The meeting dates and outcome of the stakeholder consultation process is not provided in the PDD 2. The stakeholder documentation is also not provided to the DOE 				
Corrective action is this sought for the same.				
Project participant response				Date: 16/12/2015
<ol style="list-style-type: none"> 1. Meeting date is now been provided in the revised version of PDD, further outcome of the stakeholder's consultation process is already a part of PDD. 2. Stakeholder documents is now provided to the DOE, along with the submissions. 				
Documentation provided by project participant				
<ol style="list-style-type: none"> 1. Revised version 02 of PDD 2. Documents like Minutes Of Meeting, Pubic Notice and List of attendees have been submitted 				
DOE assessment				Date: 17/01/2016
Following conclusion can be drawn from the revision of the PDD regarding the stakeholder consultation process:				
<ol style="list-style-type: none"> 1. The meeting dates now forms the part of the PDD 2. The stakeholder documentation is now provided to the DOE. MOM, attendance list and public notices are also provided which conclude that the meeting was done fare and square. 				
Based on the stakeholder consultation document assessment and revision in the PDD the CAR is closed.				

Table 3. FAR from this validation

NO FARs was raised during the validation process.