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|  <b>Carbon</b><br>CHECK | <b>GS4GG Design Change<br/>Assessment Report</b> | <b>Revised: September<br/>2021</b> |
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| <b>GS ID (s)</b>                                                               | GS5642                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Title of Project</b>                                                        | Burn Stoves Project in Kenya                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Name of VVB</b>                                                             | Carbon Check (India) Private Limited                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Date and version of the report</b>                                          | <del>22/12/2022, version 03.0</del> <u>version 054.0 dated 24/0512/06/2023</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Version number and date of the PDD applicable to this validation report</b> | Version 4.875, dated 09/0619/05/202307/12/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Coordinating/Managing entity (CME)</b>                                      | Ecoa Climate Capital                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host Country</b>                                                            | Kenya                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applied methodologies and standardized baselines</b>                        | Technologies and Practices to Displace Decentralized Thermal Energy Consumption' (TPDDTEC), version 03.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Mandatory sectoral scopes</b>                                               | 03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Type(s) of Design Change</b>                                                | <input type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents<br><input checked="" type="checkbox"/> Corrections<br><input type="checkbox"/> Changes to the start date of the crediting period<br><input type="checkbox"/> Inclusion of monitoring plan<br><input checked="" type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents<br><input type="checkbox"/> Changes to the project design<br><input type="checkbox"/> Changes specific to afforestation and reforestation activities |
| <b>Assessment Team</b>                                                         | Team Leader: Aparna Choudhary<br>Trainee Assessor: Kiran K V<br>Technical Reviewer: Shivaji Chakraborty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Name, position, and signature of the approver of the validation report</b>  | <br>Vikash Kumar Singh, Compliance Officer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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|  <b>Carbon</b><br>CHECK | <b>GS4GG Design Change<br/>Assessment Report</b> | <b>Revised: September<br/>2021</b> |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|

## SECTION A. Executive summary

The Project Participant (PP) has appointed Carbon Check (India) Private Ltd. (CC IPL), to perform the validation of the Design Changes to the project activity "Burn Stoves Project in Kenya" herein refers to as PA.

The term "UNFCCC criteria" refers to Article 12 of the Kyoto Protocol, the CDM modalities and procedures and the subsequent decisions by the CDM Executive Board. The independent Validation by the DOE is required to confirm the Design changes of the project activity. This report summarises the Design changes of the project with respect to requirements of GS Design Change Requirements (version 1.0) /084-a/ and VVS for PAs, version 03.0 /07-a93-4/. This report contains the findings and resolutions from the validation and a validation opinion.

The project activity consists of energy efficient cook stoves that seeks to reduce the amount of fuel used in the households by displacing the traditional cook stoves that require a lot of fuel. The project stoves are efficient charcoal stove that cuts down the daily fuel consumed thus necessitating fewer trips to collect fuel or less money spent on charcoal per week. Efficient, improved stoves are a more sustainable, economic, and healthier way to cook

### Scope:

The scope of the Design change validation is defined as an independent and objective review of the revised PDD /01-a/ which include corrections to the registered PA.

### Validation methodology and process

The validation has been performed as described in the GS Design Change Requirements (version 1.0) /08-a4-1/ and VVS for PAs, version 03.0 /07-a3-1/ and constitutes the following steps:

- Review of the Registered PDD /01-b/.
- Review of the revised PDD (version 4.875; Dated 09/0619/05/202307/12/2022) /01-a/
- Desk review of relevant documents.
- Interview with representatives of the CME.

### Conclusion

This report is the assessment opinion of the proposed Design Change in the revised PDD /01-a/. The validation team confirms that the proposed changes to the PDD /01-a/ are in compliance with the GS Design change requirements /084-a/. Also, the proposed changes meet all relevant requirements of UNFCCC / GS.

## Section B. Means of validation

### B.1. Document review

The validation was performed primarily based on the review of the revised PDD /01-a/ and the supporting documentation. This process included review of data and information presented to verify their completeness and review of the monitoring plan and monitoring methodology. Documents reviewed or referenced during the verification are listed in Appendix 3 below.

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|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|

## B.2. On-site inspection

No on-site visit was conducted. Validation team has checked the site visit requirements mentioned in GS requirements and concluded to not conduct a site visit for the validation. Desk review of the submitted revised PDD (version 4.75, dated 19/05/202307/12/2022) /01-a/ and supportive evidences was done by the validation team. Validation team conducted remote interviews with the CME representatives on different topics as mentioned in section B.3 below.

## B.3. Interviews

| No. | Interviewee |            |                    | Date       | Subject                                                      | Team member                 |
|-----|-------------|------------|--------------------|------------|--------------------------------------------------------------|-----------------------------|
|     | Last name   | First name | Affiliation        |            |                                                              |                             |
| 1.  | Subramanian | Sriskandh  | Burn Manufacturing | 25/11/2022 | Discussion on the revised PDD and the proposed Design change | Aparna Choudhary, Kiran K V |
| 2.  | Otolo       | Natasha    | Burn Manufacturing | 25/11/2022 | Discussion on the revised PDD and the proposed Design change | Aparna Choudhary, Kiran K V |
| 3.  | Gachugi     | Nathan     | Burn Manufacturing | 25/11/2022 | Discussion on the revised PDD and the proposed Design change | Aparna Choudhary, Kiran K V |

## SECTION C. Validation findings

### C.1. Details of proposed design change

The Project Developer proposes the following design changes in the project:

1. The parameter "Quantity of fuel that is consumed in baseline scenario b during year y (Pb,y)" has been shifted from ex-post to ex-ante as this is not a parameter that requires to be monitored and can be set ex-ante.
2. The non-CO2 emission factor that was previously being claimed as 0 has been updated to 9.4637-25 tCO2/TJ. This value is based on the IPCC guidelines.
3. The number of project Sustainable Development Contributions has been increased from the current four (4) SDG goals (SDGs 1, 3, 8 & 13) to a total of 8 goals with addition of SDGs

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|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|

4,5,7 & 15. Appropriate target indicators, methodological choices and monitoring approaches have been included in the updated PDD.

4. The Net Calorific Value in the PDD has been adjusted to 0.015 TJ/ton for wood fuel.

4- In addition to these proposed design change, the ownership of the project activity has been changed from Burn Manufacturing Co. to Eco Climate Capital. Detailed VVB assessment has been provided in section D.2 below.

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## C.2. VVB Assessment

- The project participant has contacted the GS during the verification of the previous monitoring period (3<sup>rd</sup>) from 01/06/2020 to 31/03/2022 to confirm that the parameter "Quantity of fuel that is consumed in baseline scenario b during year y (Pb.y)" to be shifted from ex post to ex ante. The value of parameter during the first monitoring period, second monitoring period and third monitoring period 06/ of the second crediting period is provided to be 1.6335 Kg/household-day. The value has been validated and verified in the second monitoring period of second crediting cycle. As per the registered PDD, version 4, dated 22/03/2018. The value of Pby observed was 3.652kg/hh-day. Based on the email conversation with GS/04/ and as suggested by GS, the most conservative value among the two has been advised to be used in the upcoming monitoring report after the design change. Since the proposed change does not provide any revision in the value of the parameter compared to the previous monitoring report, the conservativeness has been maintained. The proposed design change and its impacts as per section 4 of GS design change requirement has been provided in the design change memo. On the basis of the review of the electronic mail send by GS to the project participant requesting for the design change 04xx/ and subsequent acceptance from the GS, the validation team confirms that the request for this design change is deemed to be acceptable.
- This design change is in compliance with the para 3.1.2 of the GS Design change requirement and therefore is considered as a correction. The emission factor of CH<sub>4</sub> and N<sub>2</sub>O from wood fuel has been considered for the calculation of non-CO<sub>2</sub> emission factor and the calculation has been cross checked to check the correctness and also to confirm that the data has been considered from the valid source (2006-IPCC-Guidelines-for-National-Greenhouse-Gas-Inventories)PCC default value/TPDDTEC version 4.0). As per the section 8 of the applied methodology TPDDTEC version 3.1, the source of parameter EFb.nonCO2 can be IPCC defaults, credible published literatures, project relevant measurement reports, or project specific field tests prior to first verification. VVB confirms that the value 37-259.46 tCO2/TJ considered for the parameter EFb.nonCO2 and EFp.nonCO2 has been derived from the Table 2.9. Volume 2, chapter 2, 2006-IPCC-guidelines-for-National-Greenhouse-Gas-Inventories-referred from the GS methodology TPDDTEC version 4.0 which can be considered as a credible source. Therefore, the proposed revision is deemed to be acceptable to VVB.
- The total SDG contribution has been increased from 4 to 8 in the design change, The SDGs 4, 5, 7, and 15 have been added in the design change and the verification team has reviewed revised PDD and confirm that all the additional SDGs are directly and positively affected by the project activity and a monitoring approach for all the SDG's are provided in the revised PDD. Project representative has identified the relevant monitoring indicators and the monitoring

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2021

approach has been clearly defined in the section B.6.4 of PDD version 4.7, thus complying with the para 4.1.15 of GS principles and requirements.

The detailed assessment of the additional SDGs included in the proposed design changes are provided in the following table.

| <u>SDG</u>   | <u>Description</u>                                                            | <u>Value and unit (estimated)</u> | <u>Monitoring procedure as per PDD</u>                                                                                                                                                                    | <u>VVB assessment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>SDG 4</u> | <u>Number of people who participated in project trainings</u>                 | <u>50 (number)</u>                | <u>Training records and participation list will be monitored on annual basis</u>                                                                                                                          | <u>Based on the discussion with the CME during the remote interviews and review of the PDD/01/ and previous monitoring reports/06/. VVB concludes that CME has been providing regular trainings to the enumerators/ project implementors in conducting baseline/monitoring surveys and PFTs. The exact number of individuals trained will be monitored during the verification. Therefore, the inclusion of this SDG is deemed to be acceptable to VVB.</u> |
| <u>SDG5</u>  | <u>Number of minutes spent on average for cooking in the project scenario</u> | <u>25 (minutes)</u>               | <u>Statistical average of the end-user reported difference between the number of minutes spent cooking in the project scenario compared to baseline conditions for similar meals. Monitoring annually</u> | <u>The project activity involves implementation of Improved cookstoves to replace traditional cookstoves. The usage of a higher efficiency cookstove will result in reduction in time associated with cooking. The monitoring survey will be conducted to assess the average time saving associated with cooking. Thus, the inclusion of this SDG is deemed to be acceptable to VVB.</u>                                                                    |

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|-------|--------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDG7  | Number of sold/distributed ICS in use                                    | 293,444 (Number)            | Project records including contracts, payment slips, and sales database will be monitored annually.                                                                                                                                                               | The project activity involves the distribution of ICS. The number of ICS expected to be distributed have been obtained based on the data from the previous monitoring reports/06/. The total distribution records will be monitored on annual basis and multiplied with the usage rate established during the monitoring period to calculate the impact of SDG 7.                                    |
| SDG15 | Reduced non-renewable biomass consumption attributed to charcoal savings | 151,824 <sup>1</sup> (Tons) | Computed as a function of specific fuel savings for an individual technology multiplied by the total number of operational technologies (discounted for usage rate in the monitoring period) and the non-renewable Biomass fraction in Kenya. Monitored annually | Through the implementation of project activity (distribution of ICS), the non-renewable biomass consumption rate is expected to be reduced in the country. The SDG 15 will be assessed based on the total nrb saved by calculating the fuelwood saved in the project scenario and multiplying it with the total operational ICS distributed, non-renewable biomass fraction and usage rate observed. |

3.

4. This design change is in compliance with the para 3.1.2 of the GS Design change requirement and therefore is considered as a correction. The value of Net calorific value of wood fuel which is provided as 0.015 TJ/tonne in the monitoring period 1, 2 and 3 which has been approved by GS. During the 3<sup>rd</sup> monitoring period, in response to the GS comment during the performance review round, Project representative has opted to perform the design change to include the net

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<sup>1</sup> Nonrenewable Biomass saved = Pp,b,y \* Np,y \* Up,y \* f NRB,b, y<sub>x</sub>

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calorific value of the wood fuel (0.015 TJ/tonne) along with the net calorific value of the charcoal as only the net calorific value of charcoal is provided in the PDD v.4.4 dated 30/12/2021. The value for net calorific value of wood fuel has been considered from the applicable methodology and therefore Thus, the proposed design change is deemed acceptable to the VVB.

Since the proposed changes relates to the material and permanent design changes affecting sustainable development criteria and monitoring plan, design change approval procedure is applicable for this proposed design change as per the para 1.1.1 of annex A of principles and requirements version 1.2, VVB confirms that project developer has followed the complete steps as mentioned in section 3 of Annex A and the documentations as per the para 3.1.3 of Annex A of GS principles and requirements version 1.2, has been submitted to GS for the design change approval.

VVB Assessment on change in project ownership: The project developer/CME has provided VVB with the amended cover letter/05/ stating that the full rights of the issued SDG impact statement and products, title and interest has been transferred to the entity "ECO Climate Capital". VVB confirms that he amended cover letter/05/ has been duly signed by Burn Manufacturing Co. and ECO Climate Care, thereby complying with the para 2.1.1 of GS Design Change Requirements version 1.0.

4.

The VVB has raised six (06) Clarification requests and three (03) Correction action request and closed successfully. The detailed validation findings have been added in the appendix 4 of this document.

The validated ER estimation due to this design changes is as below:

|                                                              |                                                     |
|--------------------------------------------------------------|-----------------------------------------------------|
| Emission Reductions before Design Change (as per PDD)        | 901,698 tCO <sub>2</sub> e/year                     |
| Emission Reductions after Design Change (as per revised PDD) | 940,7251.037,166839,600.81 tCO <sub>2</sub> e /year |

### C.3 Describe Assessment the impacts of Design change on the following

#### a. **Additionality**

VVB based on review of the revised PDD /01/, confirms that the Design Change does not have any impact on the additionality of the project. The project continues to be considered as deemed additional, as the project activity complies to the para 4.1.9 of the GS community activity requirement and Project activities solely composed of isolated units where the users of the technology/measure are households or communities or institutions and where each unit results in <= 600 MWh of energy savings per year or <=600 tonnes of emission reductions per year.

#### b. **Applicability of methodology and other methodological regulatory documents with which the project activity has been certified**

VVB based on review of the revised PDD /01/, confirms that the Design Change does not have any impact on the applicability of the methodology. Since the project continues to use the same version of the applied methodology TPDDTEC and complies with all applicability criteria.

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|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|

#### c. Compliance with the monitoring plan and the applied methodology

Based on the review of the revised PDD, it has been observed that the monitoring plan has been revised to include the additional SDG impacts the project representative seeks to implement through the design change. The data/parameter P<sub>py</sub> (Quantity of charcoal (in firewood equivalent terms) fuel that is consumed in baseline scenario b during year y) which was earlier included as a parameter monitored ex post has been (as per registered PDD/01-b/) has been shifted to fixed ex ante as part of this design change (detailed assessment has been provided in the section C.2). However, the VVB confirms that the change in the monitoring plan is in compliance with the applied methodology TPDDTEC v3.1.

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#### d. Level of accuracy and completeness in the monitoring of the project activity compared with the requirements contained in the registered monitoring plan

VVB based on review of the revised PDD /01/, confirms that the Design Change does not have any impact on the level of accuracy and completeness in the monitoring of the project activity compared with the requirements contained in the registered monitoring plan.

#### e. Project Scale (note suppressed demand rules for large scale)

VVB based on review of the revised PDD /01/ and the Emission Reduction sheet /021-c/, confirms that the Design Change does not have any impact on the project scale. Since the project had been already registered as large-scale project and continues as large-scale project.

#### f. Stakeholder feedback on design change

VVB based on review of the revised PDD /01/, confirms that the Design Change is not expected to have any impact on the stakeholder's feedback.

#### g. Sustainable Development Assessment

VVB based on review of the revised PDD /01/, confirms that the project representative have proposed 4 additional SDG's (SDG 4,5,7, and 15) in the design change and all the additional SDG are directly and positively affected by the project activity and a monitoring approach for all the SDG's are provided in the revised PDD. A detailed assessment of all the additional SDG contributions has been added in the section C.2 of this report. Based on the assessment, VVB concludes that these SDG impacts will be caused by primary effect of the project activity and relevant monitoring indicators and monitoring approach has been provided by the CME in the section B.6.4 and B.7.1 of the PDD version 4.7, thereby complying with the para 4.1.14 and 4.1.15 of GS principles and requirements version 1.2

#### h. Safeguarding Assessment

VVB based on review of the revised PDD /01/, confirms that the Design Change does not have an impact on the Safeguarding Assessment. Since the design of the project itself does not change, the result of the Safeguarding Assessment of the project are expected to be the same.

#### i. Legislation

VVB based on review of the revised PDD /01/, confirms that the Design Change does not have any impact on the legislation. The project was and will continue to be in compliance with Kenyan legislation.

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|  <b>Carbon</b><br>CHECK | <b>GS4GG Design Change<br/>Assessment Report</b> | <b>Revised: September<br/>2021</b> |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|

#### SECTION D. Internal quality control

The final validation report passed a technical review and quality review before being submitted to the project participant and Gold standard. A technical reviewer qualified in accordance with CCIPL's qualification scheme for CDM validation and verification performed the technical review.

#### SECTION E. Validation opinion

The CME has appointed Carbon Check (India) Private Ltd., (CCIPL) to perform the validation of the Design Changes to the project activity "Burn Stoves Project in Kenya" /095/

The validation team confirms that the corrections made do not change the project description or design or reduce the level of accuracy of the monitoring compared with the requirements contained in the registered PDD /01-b/. The proposed corrections in the revised PDD are accurate reflection of the actual information.

The version of the template for PDD was the latest version of the template /08-d4-c/. These changes were assessed to confirm the compliance of PDD completing guidelines and CCIPL confirms that the revised PDD /01-a/, as provided by the PP, complies with the filling instructions of the Design Document /08-d4-c/. CCIPL

The validation team can confirm that the design registration changes carried out to PDD /01-a/ are in accordance with the requirements of UNFCCC/ GS. The DOE therefore accepts the changes and request for the approval of Corrections.

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|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|
|  <b>Carbon</b><br>CHECK | <b>GS4GG Design Change<br/>Assessment Report</b> | <b>Revised: September<br/>2021</b> |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|

## Appendix 1. Abbreviations

| Abbreviations     | Full texts                                            |
|-------------------|-------------------------------------------------------|
| BE                | Baseline Emission                                     |
| CAR               | Corrective Action Request                             |
| CC IPL            | Carbon Check (India) Private Ltd.                     |
| CDM               | Clean Development Mechanism                           |
| CDM EB            | CDM Executive Board                                   |
| CER               | Certified Emission Reduction                          |
| CPA               | Component Project Activity                            |
| CPA-DD            | Component Project Activity Design Document            |
| CL                | Clarification Request                                 |
| CME               | Co-ordinating or Managing Entity                      |
| CO <sub>2</sub>   | Carbon Dioxide                                        |
| CO <sub>2</sub> e | Carbon Dioxide Equivalent                             |
| COP/MOP           | Conference of Parties/ Meeting of Parties             |
| DNA               | Designated National Authority                         |
| DOE               | Designated Operational Entity                         |
| DR                | Document Review                                       |
| EB                | Executive Board                                       |
| ER                | Emission Reduction                                    |
| FAR               | Forward Action Request                                |
| GHG               | Greenhouse Gas                                        |
| GWh               | Giga Watt Hours                                       |
| I                 | Interview                                             |
| kW                | Kilo Watt                                             |
| kWh               | Kilo Watt Hours                                       |
| MoV               | Means of Verification                                 |
| MoC               | Modalities of Communications                          |
| MW                | Mega Watt                                             |
| MWh               | Mega Watt Hours                                       |
| ODA               | Official Development Assistance                       |
| OSV               | On-Site Visit                                         |
| PE                | Project Emission                                      |
| PP                | Project Participant                                   |
| PS                | Project Standard                                      |
| t                 | Tonne                                                 |
| UNFCCC            | United Nations Framework Convention on Climate Change |
| VT                | Validation team                                       |
| VVS               | Validation and Verification Standard                  |

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## Appendix 2. Competence of team members and technical reviewers


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**Certificate of Competency**

**Ms. Aparna Choudhary**

has been qualified as per CCPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

|                                                            |                                                        |                                                             |                                                      |
|------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------|
| <input checked="" type="checkbox"/> Validator              | <input checked="" type="checkbox"/> Verifier           | <input checked="" type="checkbox"/> Team Leader             | <input checked="" type="checkbox"/> Technical Expert |
| <input type="checkbox"/> Technical Reviewer                | <input type="checkbox"/> Health Expert                 | <input type="checkbox"/> Gender Expert                      | <input type="checkbox"/> Plastic Waste Expert        |
| <input checked="" type="checkbox"/> SDG+                   | <input checked="" type="checkbox"/> Social no-harm(S+) | <input checked="" type="checkbox"/> Environment no-harm(E+) |                                                      |
| <input checked="" type="checkbox"/> Local Expert for India |                                                        |                                                             |                                                      |

in the following Technical Areas:

|                                  |                                            |                                  |                                            |                                  |
|----------------------------------|--------------------------------------------|----------------------------------|--------------------------------------------|----------------------------------|
| <input type="checkbox"/> TA 1.1  | <input checked="" type="checkbox"/> TA 1.2 | <input type="checkbox"/> TA 2.1  | <input checked="" type="checkbox"/> TA 3.1 | <input type="checkbox"/> TA 4.1  |
| <input type="checkbox"/> TA 4. n | <input type="checkbox"/> TA 5.1            | <input type="checkbox"/> TA 5.2  | <input type="checkbox"/> TA 7.1            | <input type="checkbox"/> TA 8.1  |
| <input type="checkbox"/> TA 9.1  | <input type="checkbox"/> TA 9.2            | <input type="checkbox"/> TA 10.1 | <input type="checkbox"/> TA 13.1           | <input type="checkbox"/> TA 13.2 |
| <input type="checkbox"/> TA 14.1 | <input type="checkbox"/> TA 15.1           |                                  |                                            |                                  |

Issue Date

**1<sup>st</sup> December 2022**

Expiry Date

**30<sup>th</sup> November 2023**

  
 Mr. Vikash Kumar Singh  
Compliance Officer

  
 Mr. Amit Anand  
CEO

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*Certificate of Competency*

**Mr. Shivaji Chakraborty**

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC 14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- ☐ Validator ☐ Verifier ☐ Team Leader ☒ Technical Expert  
☒ Technical Reviewer ☐ Health Expert ☐ Gender Expert ☐ Plastic Waste Expert  
☒ SDG+ ☒ Social no-harm(S+) ☒ Environment no-harm(E+)  
☒ Local Expert for India

in the following Technical Areas:

- ☒ TA 1.1 ☒ TA 1.2 ☐ TA 2.1 ☒ TA 3.1 ☐ TA 4.1  
☐ TA 4. n ☐ TA 5.1 ☐ TA 5.2 ☐ TA 7.1 ☐ TA 8.1  
☐ TA 9.1 ☐ TA 9.2 ☐ TA 10.1 ☐ TA 13.1 ☐ TA 13.2  
☐ TA 14.1 ☐ TA 15.1

Issue Date

1<sup>st</sup> December 2022

Expiry Date

30<sup>th</sup> November 2023

Mr. Vikash Kumar Singh  
Compliance Officer

Mr. Amit Anand  
CEO

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**Ms. Aparna Choudhary**

has been qualified as per CCPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC 14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- |                                               |                                                            |                                                             |                                                      |
|-----------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------|
| <input checked="" type="checkbox"/> Validator | <input checked="" type="checkbox"/> Verifier               | <input checked="" type="checkbox"/> Team Leader             | <input checked="" type="checkbox"/> Technical Expert |
| <input type="checkbox"/> Technical Reviewer   | <input type="checkbox"/> Health Expert                     | <input type="checkbox"/> Gender Expert                      | <input type="checkbox"/> Plastic Waste Expert        |
| <input checked="" type="checkbox"/> SDG+      | <input checked="" type="checkbox"/> Social no-harm(S+)     | <input checked="" type="checkbox"/> Environment no-harm(E+) | <input type="checkbox"/> CCB Expert                  |
| <input type="checkbox"/> Financial Expert     | <input checked="" type="checkbox"/> Local Expert for India |                                                             |                                                      |

in the following Technical Areas:

- |                                            |                                            |                                  |                                             |                                             |
|--------------------------------------------|--------------------------------------------|----------------------------------|---------------------------------------------|---------------------------------------------|
| <input checked="" type="checkbox"/> TA 1.1 | <input checked="" type="checkbox"/> TA 1.2 | <input type="checkbox"/> TA 2.1  | <input checked="" type="checkbox"/> TA 3.1  | <input type="checkbox"/> TA 4.1             |
| <input type="checkbox"/> TA 4. n           | <input type="checkbox"/> TA 5.1            | <input type="checkbox"/> TA 5.2  | <input type="checkbox"/> TA 7.1             | <input type="checkbox"/> TA 8.1             |
| <input type="checkbox"/> TA 9.1            | <input type="checkbox"/> TA 9.2            | <input type="checkbox"/> TA 10.1 | <input checked="" type="checkbox"/> TA 13.1 | <input checked="" type="checkbox"/> TA 13.2 |
| <input type="checkbox"/> TA 14.1           | <input type="checkbox"/> TA 15.1           |                                  |                                             |                                             |

Issue Date  
03<sup>rd</sup> May 2023

Expiry Date  
04<sup>th</sup> May 2024

Mr. Vikash Kumar Singh  
Compliance Officer

Mr. Amit Anand  
CEO

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**Mr. Shivaji Chakraborty**

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC 14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- |                                                        |                                                            |                                                             |                                                      |
|--------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Validator                     | <input type="checkbox"/> Verifier                          | <input type="checkbox"/> Team Leader                        | <input checked="" type="checkbox"/> Technical Expert |
| <input checked="" type="checkbox"/> Technical Reviewer | <input type="checkbox"/> Health Expert                     | <input type="checkbox"/> Gender Expert                      | <input type="checkbox"/> Plastic Waste Expert        |
| <input checked="" type="checkbox"/> SDG+               | <input checked="" type="checkbox"/> Social no-harm(S+)     | <input checked="" type="checkbox"/> Environment no-harm(E+) | <input type="checkbox"/> CCB Expert                  |
| <input checked="" type="checkbox"/> Financial Expert   | <input checked="" type="checkbox"/> Local Expert for India |                                                             |                                                      |

in the following Technical Areas:

- |                                            |                                            |                                  |                                            |                                  |
|--------------------------------------------|--------------------------------------------|----------------------------------|--------------------------------------------|----------------------------------|
| <input checked="" type="checkbox"/> TA 1.1 | <input checked="" type="checkbox"/> TA 1.2 | <input type="checkbox"/> TA 2.1  | <input checked="" type="checkbox"/> TA 3.1 | <input type="checkbox"/> TA 4.1  |
| <input type="checkbox"/> TA 4. n           | <input type="checkbox"/> TA 5.1            | <input type="checkbox"/> TA 5.2  | <input type="checkbox"/> TA 7.1            | <input type="checkbox"/> TA 8.1  |
| <input type="checkbox"/> TA 9.1            | <input type="checkbox"/> TA 9.2            | <input type="checkbox"/> TA 10.1 | <input type="checkbox"/> TA 13.1           | <input type="checkbox"/> TA 13.2 |
| <input type="checkbox"/> TA 14.1           | <input type="checkbox"/> TA 15.1           |                                  |                                            |                                  |

Issue Date  
1<sup>st</sup> January 2023

Expiry Date  
31<sup>st</sup> December 2023

Mr. Vikash Kumar Singh  
Compliance Officer

Mr. Amit Anand  
CEO

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## Documents reviewed or referenced

| No.      | Author                     | Title                                                                                                                                          | References to the document                                                                                                                                    |
|----------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| /01/     | Project participant        | a) <del>a</del> -Revised PDD<br>a) <del>a</del><br>b) <del>b</del> -Registered PDD<br>c) <del>Emission reduction calculation spreadsheet</del> | a) <del>a</del> -version 4.875 dated 07/12/2022<br>19/05/20309/06/2023<br>a) <del>a</del><br>b) <del>b</del> -version 4.4 dated 30/12/2021                    |
| /02/     |                            | <del>Emission reduction calculation spreadsheet</del>                                                                                          |                                                                                                                                                               |
| /032/    | Project participant        | Design change Memo                                                                                                                             | --                                                                                                                                                            |
| /04/     | <u>Project participant</u> | <u>Screenshot of mail between project participant and GS confirming the request to change Pby from ex post to ex ante</u>                      |                                                                                                                                                               |
| /05/     | <u>Project participant</u> | <u>Amended Cover letter (proof for change in ownership)</u>                                                                                    |                                                                                                                                                               |
| /06/     | <u>Project participant</u> | Previous monitoring reports (2 <sup>nd</sup> crediting period)                                                                                 | a) Version 06 dated 18/04/2019                                                                                                                                |
|          |                            | a) 1 <sup>st</sup> monitoring period                                                                                                           | b) version 04 dated 01/03/2021                                                                                                                                |
|          |                            | b) 2 <sup>nd</sup> monitoring period                                                                                                           | c) version 05.1 dated 15/08/2022                                                                                                                              |
|          |                            | c) 3 <sup>rd</sup> monitoring period                                                                                                           |                                                                                                                                                               |
| /07//03/ | UNFCCC                     | a) <del>a</del> -CDM VVS for PAs (Version 03.0).                                                                                               |                                                                                                                                                               |
|          |                            | a) <del>a</del>                                                                                                                                |                                                                                                                                                               |
|          |                            | b) <del>b</del> -CDM PS for PAs (Version 03.0)                                                                                                 | <a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>                                                                                                   |
|          |                            | b) <del>b</del>                                                                                                                                |                                                                                                                                                               |
| /08//04/ | GS                         | <del>c</del> -CDM PCP for PAs (Version 03.0)                                                                                                   |                                                                                                                                                               |
|          |                            | a) <del>a</del> -GS Design Change Requirements v.1.0                                                                                           |                                                                                                                                                               |
|          |                            | a) <del>a</del>                                                                                                                                | <a href="https://globalgoals.goldstandard.org/11-par-design-change-requirements/">https://globalgoals.goldstandard.org/11-par-design-change-requirements/</a> |
|          |                            | b) <del>b</del> -GS community Service Activity Requirements. V.1.2                                                                             |                                                                                                                                                               |
|          |                            | b) <del>b</del>                                                                                                                                |                                                                                                                                                               |
|          |                            | c) <del>c</del> -GS PDD template v.1.2                                                                                                         |                                                                                                                                                               |
|          |                            | c) <del>c</del>                                                                                                                                |                                                                                                                                                               |
|          |                            | d) <del>d</del> -GS PDD template guide v.1.2                                                                                                   |                                                                                                                                                               |

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|         |     |                                                                       |  |
|---------|-----|-----------------------------------------------------------------------|--|
| 109/05/ | VVB | Contract between VVB and CME for the Design Change Validation service |  |
|---------|-----|-----------------------------------------------------------------------|--|

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

Table 1: Clarification request

| CL ID                                                                                                                                                                                                                                                                                                                                                                       | 01 | Section no. | Key project information | Date: 05/12/2022        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|-------------------------|-------------------------|
| <b>Description of CL</b>                                                                                                                                                                                                                                                                                                                                                    |    |             |                         |                         |
| <i>In the PDD v.4.4. dated 30/12/2021, the Project representative is given as "ClimateCare Limited" whereas in the PDD submitted for design change validation, the project representative is given as "Burn manufacturing". Therefore, project representative is requested to demonstrate the compliance as per the section 2.1.1 of the GS design change requirements.</i> |    |             |                         |                         |
| <b>Project participant response</b>                                                                                                                                                                                                                                                                                                                                         |    |             |                         | <b>Date: 13/12/2022</b> |
| The Project representative for GS 5642 is Ecoa Climate Capital. The same has been provided in the amended Cover letter that was approved by GS.                                                                                                                                                                                                                             |    |             |                         |                         |
| <b>Documentation provided by project participant</b>                                                                                                                                                                                                                                                                                                                        |    |             |                         |                         |
| 1. Amended cover letter of 31/10/2022                                                                                                                                                                                                                                                                                                                                       |    |             |                         |                         |
| <b>DOE assessment</b>                                                                                                                                                                                                                                                                                                                                                       |    |             |                         | <b>Date: 15/12/2022</b> |
| Project representative has revised the name of project developer/project representative/project participant and any other communities involved from Burn manufacturing to ECOA Climate Capital. As per the design change requirement, the project developer shall submit all the applicable revised document signed by all entities involved to SustenCERT.                 |    |             |                         |                         |
| Thus, the finding is closed.                                                                                                                                                                                                                                                                                                                                                |    |             |                         |                         |

| CL ID                                                                                                       | 02 | Section no. | Key project information | Date: 05/12/2022        |
|-------------------------------------------------------------------------------------------------------------|----|-------------|-------------------------|-------------------------|
| <b>Description of CL</b>                                                                                    |    |             |                         |                         |
| <i>PP is requested to revise the version number and completion date of PDD as per the latest revisions.</i> |    |             |                         |                         |
| <b>Project participant response</b>                                                                         |    |             |                         | <b>Date: 13/12/2022</b> |
| Version number of the PDD has been updated to version 4.5                                                   |    |             |                         |                         |
| <b>Documentation provided by project participant</b>                                                        |    |             |                         |                         |
| 7DEC2022_V4.5-Project-Design-Documents- BURN 5642 transition                                                |    |             |                         |                         |
| <b>DOE assessment</b>                                                                                       |    |             |                         | <b>Date: 15/12/2022</b> |

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|                                                                                                          |                                                  |                                    |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|
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It has been observed that the version no and completion date of the PDD has been revised as per the latest revisions.

Thus, the finding is closed

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                    |            |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------|------------|-------------------------|
| <b>CL ID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 03 | <b>Section no.</b> | B.4, B.6.2 | <b>Date:</b> 05/12/2022 |
| <b>Description of CL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                    |            |                         |
| <p><i>Project representative is requested to review the following statements</i></p> <p>1. In page no 21 of the PDD under the section B.4, <math>EF_{p,nonCO2}</math> and <math>EF_{b,nonCO2}</math> "remains the same although the project will not consider emissions from this source".</p> <p>2. Against the additional comments under the parameter <math>EF_{b,nonCO2}</math> and <math>EF_{p,nonCO2}</math> in the section B.6.2: "The PP has opted not to account for this source in order to ensure conservativeness."</p> <p>Since the value of the parameter has been revised from 0 to 37.25 tCO<sub>2</sub>/TJ during the design change, project representative is requested to clarify the relevance of the above-mentioned statements in the PDD.</p> |    |                    |            |                         |
| <b>Project participant response</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                    |            | <b>Date:</b> 13/12/2022 |
| <p>1. The statement has been updated and reference made to the new value proposed for non-CO<sub>2</sub> emission factors in baseline and project scenario</p> <p>2. The statement has been removed</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                    |            |                         |
| <b>Documentation provided by project participant</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |                    |            |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                    |            |                         |
| <b>DOE assessment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                    |            | <b>Date:</b> 15/12/2022 |
| <p>The verification team confirms that all the statements mentioned above has been revised as per the latest changes made in the PDD.</p> <p>Thus, the finding is closed</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                    |            |                         |

|                          |    |                    |       |                         |
|--------------------------|----|--------------------|-------|-------------------------|
| <b>CL ID</b>             | 04 | <b>Section no.</b> | B.6.2 | <b>Date:</b> 05/12/2022 |
| <b>Description of CL</b> |    |                    |       |                         |

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*In the section B.6.2, under the parameter NCV<sub>b</sub> and NCV<sub>p</sub>, the description of the parameter is given as net calorific value of charcoal while the value applied is provided for the net calorific value of wood fuel. PP is requested to provide consistency between the values and the description.*

*Moreover in the monitoring period number 3 GS review round, project representative has mentioned that*

*“PP has corrected the NCV value from 0.0295 to 0.015. As per design change PDD approved on 30/12/2021 the NCV value for charcoal was provided however the NCV for wood was not mentioned. Since PP has calculated the emission reductions after converting the charcoal consumption to wood and NCV of 0.0295 is not applicable on emission from wood consumption, the NCV of wood i.e. 0.015 has been applied as was done for the previous monitoring period. Also, the project is undergoing design change to address the above discrepancy and the revised PDD will reflect the NCV value for both charcoal (0.0295) and wood (0.015).”*

*Therefore, Project representative is requested to mention the NCV value of both charcoal and wood under the parameter NCV<sub>b</sub> and NCV<sub>p</sub> in the section*

|                                     |                         |
|-------------------------------------|-------------------------|
| <b>Project participant response</b> | <b>Date: 13/12/2022</b> |
|-------------------------------------|-------------------------|

PP has corrected the description of parameters NCV<sub>p</sub> and NCV<sub>b</sub> in section 6.2 of the PDD. The NCV described is that of wood fuel.

|                                                      |
|------------------------------------------------------|
| <b>Documentation provided by project participant</b> |
|------------------------------------------------------|

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|                       |                         |
|-----------------------|-------------------------|
| <b>DOE assessment</b> | <b>Date: 15/12/2022</b> |
|-----------------------|-------------------------|

It has been confirmed that project representative has revised the description of parameter NCV<sub>b</sub> and NCV<sub>p</sub> and both the description and value applied are consistent with each other.

Project representative has mentioned the net calorific value of wood fuel in the section B.6.2

Thus the finding is closed.

|                                                                               |    |             |       |                  |
|-------------------------------------------------------------------------------|----|-------------|-------|------------------|
| CL ID                                                                         | 05 | Section no. | B.6.3 | Date: 05/12/2022 |
| Description of CL                                                             |    |             |       |                  |
| PP to provide the ER sheet used to calculate the estimated emission reduction |    |             |       |                  |
| Project participant response                                                  |    |             |       | Date: 13/12/2022 |
| PP has provided the ER spreadsheet used to calculate estimated ERs            |    |             |       |                  |
| Documentation provided by project participant                                 |    |             |       |                  |
| 20211230_Jikokoa_Project_Renewal_ER calculation                               |    |             |       |                  |
| DOE assessment                                                                |    |             |       | Date: 15/12/2022 |

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It has been confirmed that the PP has provided the ER spreadsheet to the verification team and based on the review of the same, the following comments are requested to be addressed.

1. In the section B.6.3, the values provided for ER<sub>y</sub>, BE<sub>b</sub>, and PE<sub>p,y</sub> is found to be inconsistent with the values given in the Excel file sheet "Ex ante ER estimation.
2. For the calculation of baseline fuel use in baseline emission estimation as given in the sheet "Ex ante ER calculation, cell C9", PP is requested to clarify why the HH fuel use from the project scenario has been used instead of HH fuel use from baseline scenario.

Thus, the finding is open

|                                                                                                                                                                                                                                                    |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Project participant response</b>                                                                                                                                                                                                                | <b>Date: 19/12/2022</b> |
| <ol style="list-style-type: none"> <li>1. Section B.6.3 has been amended to include the right values for the mentioned parameters</li> <li>2. Please note that this approach is allowed. Refer footnote 24, page 23 of the TPDDTEC v3.1</li> </ol> |                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>DOE Assessment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Date: 20/12/2022</b> |
| <ol style="list-style-type: none"> <li>1. It has been observed that the PP has revised the values of ER<sub>y</sub>, BE<sub>b</sub>, and PE<sub>p,y</sub> in the section B.6.3 of the PDD and the values are consistent with the ER sheet provided. The calculation is cross checked by the verification team and is found to be correct.</li> <li>2. The verification team has reviewed the methodology and confirm that the justification provided by the project representative is deemed to be acceptable.</li> </ol> |                         |

|                                                                                                                                                                                                                                                                            |    |             |       |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|-------|------------------|
| CL ID                                                                                                                                                                                                                                                                      | 06 | Section no. | B.6.2 | Date: 05/12/2022 |
| Description of CL                                                                                                                                                                                                                                                          |    |             |       |                  |
| It has been observed that project representative has revised the value of Emission factor of nonCO2 from 0 tCO2/TJ to 37.25 tCO2/TJ in the PDD submitted for design change. It is requested to provide reference page from the IPCC report in which the value I mentioned. |    |             |       |                  |
| Project participant response                                                                                                                                                                                                                                               |    |             |       | Date: 13/12/2022 |
| PP has referenced the source of the Emission Factor. 'Table 2.9, volume 2, chapter 2, 2006 IPCC Guidelines for National Greenhouse Gas Inventories'                                                                                                                        |    |             |       |                  |
| Documentation provided by project participant                                                                                                                                                                                                                              |    |             |       |                  |
| 7DEC2022_V4.5-Project-Design-Document- BURN 5642 transition                                                                                                                                                                                                                |    |             |       |                  |
| DOE assessment                                                                                                                                                                                                                                                             |    |             |       | Date: 15/12/2022 |
| It has been observed that the PP has provided the reference to the EFnonCO2 value in the PDD and the reference has been cross checked and is found to be correct and consistent. '                                                                                         |    |             |       |                  |
| Thus, the finding is closed.                                                                                                                                                                                                                                               |    |             |       |                  |

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Table 2: Corrective action requests

| CAR ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 01 | Section no. | N/A | Date: 05/12/2022        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|-----|-------------------------|
| <b>Description of CAR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |             |     |                         |
| <p><i>It has been observed that there is formatting error throughout the design change PDD, namely</i></p> <ol style="list-style-type: none"> <li><i>1. first heading under section B.2</i></li> <li><i>2. point no 6,9,10 under the justification for methodology applicability requirements.</i></li> <li><i>3. in page no 21,</i> <ol style="list-style-type: none"> <li><i>a. the typo error in point no.1</i></li> <li><i>b. incomplete representation of parameter <math>EF_{p,nonco2}</math> in point 5</i></li> </ol> </li> <li><i>4. The table under the section B.5, demonstration of additionality.</i></li> <li><i>5. The description of the parameters and their values in the section B.6.3</i></li> <li><i>6. A heading "Methodological approach to SDG 3" is missing in the section B.6.4</i></li> <li><i>7. The first empty table in the section B.7.1 is requested to be removed.</i></li> <li><i>8. Under the parameter <math>Up,y</math>, the response for source of data is provided against values applied in section B.7.1, PP is also requested to add the purpose of data under this parameter</i></li> <li><i>9. A separation of paragraph required against "90/30 rule" and "90% confidence" in the page number 52 under the section b.7.2</i></li> <li><i>10. Page no. 56, among the points under the table for leakage assessment in the section B.7.3</i></li> <li><i>11. under the heading "monitoring survey" in page no 56</i></li> </ol> |    |             |     |                         |
| <b>Project participant response</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |             |     | <b>Date: 14/12/2022</b> |
| <i>The necessary corrections have been made</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |             |     |                         |
| <b>Documentation provided by project participant</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |             |     |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |             |     |                         |
| <b>DOE assessment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |             |     | <b>Date: 15/12/2022</b> |

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1. No correction observed. The statement "Justification of the choice of the methodology and why it is applicable to the project activity" is observed to be a heading and no separation has been observed.
2. The statements under the column "Methodology applicability requirement" and "Justification regarding this VPA" is found to be same for few criteria under the table. It is requested to revise the table thoroughly and make necessary changes.
3. under the "Step 1.4: Assessment of the validity of the data and parameters" of section B.4, in page no, 22. The parameter  $EF_{p,nonCO2}$  has been represented as  $F_{p,nonCO2}$ . It is requested to correct the same. Moreover, Under the step 2.2 of the "Baseline non-renewable biomass assessment" PP is requested to revise the choice of value for  $EF_{PnonCO2}$ . The misrepresentation of the parameter is also requested to be corrected. PP is requested to maintain consistency for the choice of value of emission factor for nonCO2 throughout the PDD.
4. Finding closed
5. Finding closed
6. Finding closed
7. Finding closed
8. Finding closed
9. Finding closed
10. Finding closed
11. PP is requested to revise the purpose of data for  $EF_{pCO2}$  in the section B.6.2 as it has considered only CH<sub>4</sub> emission factor.
12. In the table provided in the section B.6.4, PP is requested to represent the total ER in proper format.

Thus, the finding is open

|                                     |                         |
|-------------------------------------|-------------------------|
| <b>Project participant response</b> | <b>Date: 19/12/2022</b> |
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*The necessary corrections have been made*

|                       |                         |
|-----------------------|-------------------------|
| <b>DOE assessment</b> | <b>Date: 20/12/2022</b> |
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1. Findings closed
2. Finding closed
3. Findings closed
11. Finding closed
12. Finding closed

|               |    |                    |       |                         |
|---------------|----|--------------------|-------|-------------------------|
| <b>CAR ID</b> | 02 | <b>Section no.</b> | B.6.1 | <b>Date: 05/12/2022</b> |
|---------------|----|--------------------|-------|-------------------------|

#### Description of CAR

*In the last paragraph of the section B.6.1 of the PDD, the following statement is mentioned.*

*"The overall GHG reductions achieved by the project activity in year y are calculated as follows:"*

*However, no calculation has been provided below the statement. Project representative is requested to provide the calculation under this statement.*

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| <b>Project participant response</b>                                                                                                               | <b>Date: 13/12/2022</b> |
| <i>The PP has referred to Section B.6.3 where the equations and calculations are shown.</i>                                                       |                         |
| <b>Documentation provided by project participant</b>                                                                                              |                         |
|                                                                                                                                                   |                         |
| <b>DOE assessment</b>                                                                                                                             | <b>Date: 15/12/2022</b> |
| It has been confirmed that the statement has been revised in the section B.6.1 of the PDD and the reference to the calculation has been provided. |                         |
| Thus, the finding is closed.                                                                                                                      |                         |

|                                                                                                                                                        |    |             |       |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|-------|------------------|
| CAR ID                                                                                                                                                 | 03 | Section no. | B.6.4 | Date: 15/12/2022 |
| Description of CAR                                                                                                                                     |    |             |       |                  |
| PP is requested to provide a sample calculation and the final value under the “methodological approach related to SDG 15” in section B.6.4 of the PDD. |    |             |       |                  |
| Project participant response                                                                                                                           |    |             |       | Date: 19/12/2022 |
| The necessary information has been added.                                                                                                              |    |             |       |                  |
| Documentation provided by project participant                                                                                                          |    |             |       |                  |
|                                                                                                                                                        |    |             |       |                  |
| DOE assessment                                                                                                                                         |    |             |       | Date: 20/12/2022 |
| It has been observed that the PP has added the calculation for the sdg 15 in the section B.6.4 of the PDD.                                             |    |             |       |                  |
| Thus the finding is closed.                                                                                                                            |    |             |       |                  |

#### Revision History

| Rev Date   | Rev. No. | Brief Details of Changes                      |
|------------|----------|-----------------------------------------------|
| 05/12/2022 | 1.0      | DVR                                           |
| 20/12/2022 | 2.0      | FVR                                           |
| 22/12/2022 | 3.0      | FVR revised as per technical review comments. |

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