

Integrated adoption of electric mobility in the maritime sector through clean technology innovation

Review PIF and Make a recommendation

Basic project information

GEF ID

10999

Countries

Cabo Verde

Project Name

Integrated adoption of electric mobility in the maritime sector through clean technology innovation

Agencies

UNIDO

Date received by PM

4/13/2022

Review completed by PM

6/10/2022

Program Manager

Patricia Marcos Huidobro

Focal Area

Climate Change

Project Type

MSP

PIF

Part I ? Project Information

Focal area elements

1. Is the project/program aligned with the relevant GEF focal area elements in Table A, as defined by the GEF 7 Programming Directions?

Secretariat Comment at PIF/Work Program Inclusion
4/18/2022 PM:

Yes.

Agency Response

Indicative project/program description summary

2. Are the components in Table B and as described in the PIF sound, appropriate, and sufficiently clear to achieve the project/program objectives and the core indicators?

Secretariat Comment at PIF/Work Program Inclusion
6/10/2022 PM:

Cleared. A comment among these lines will be added below for consideration at CEO Endorsement, i.e. amending the titles of some of the activities/outputs based on the consultations that will take place at PPG, particularly since some potential uses of electricity may go beyond the maritime sector.

4/18/2022 PM:

No. Please address the following comments:

- Output 2.1.1 shall be tagged as Technical Assistance rather than Investment. Similar to Component 3, please consider adding a new row for Component 2 which includes only Output 2.1.1 tagged as Technical Assistance.
- The title, objective and components of the project mention "maritime sector/mobility". However, while going through the proposal it seems the project goes beyond maritime mobility and includes also small-format land-base vehicles and other low-power premises (productive uses of energy) such as ice-making (of utmost importance for the artisanal fishing). If this the case, please consider updating some of the titles/components to better reflect the broader scope of the project.

Agency Response

Agency Response: 26.05.2022

- As suggested, Output 2.1.1 is tagged as TA.
 - We would prefer to keep the titles for the time being because even though the project activities include land-based vehicles and low-power premises, they are all for the maritime sector (ex. ice-making is for cooling of fish) in fishing villages. Upon request, the titles could be amended during the PPG phase after consultations with the national counterparts.
-

Co-financing

3. Are the indicative expected amounts, sources and types of co-financing adequately documented and consistent with the requirements of the Co-Financing Policy and Guidelines, with a description on how the breakdown of co-financing was identified and meets the definition of investment mobilized?

Secretariat Comment at PIF/Work Program Inclusion

6/15/2022 PM:

Cleared.

6/14/2022 PM:

No. Please address the following comments:

- All the entries (9 entries) are missing the name of potential co-financier. Please enter the entity names. If it's too early to identify/disclose the entities, please remove the entries. At CEO endorsement request, report as confirmed co-financing.
- For each reported Investment mobilized co-financing, please provide a brief summary of the co-financing (i.e., cash contribution, public investment in case of government budget) and the disbursement timeframe in the Investment Mobilized description section.

4/18/2022 PM:

Yes. Please note all letters of co-financing shall be provided at CEO Endorsement stage.

Agency Response

Agency Response: 15.06.2022

Table C has been updated as requested. Letters, totals and types of individual co-finance contributions will be further explored and finalized at the CEO Endorsement stage.

Agency Response: 26.05.2022

This is noted, the co-financing letters will be part of the CEO package.

GEF Resource Availability

4. Is the proposed GEF financing in Table D (including the Agency fee) in line with GEF policies and guidelines? Are they within the resources available from (mark all that apply):

Secretariat Comment at PIF/Work Program Inclusion

6/10/2022 PM:

Cleared. Due to the re-calculations made to fully utilize the remaining STAR resources, we note there is an inconsistency in the LoEs, which states a higher GEF funding and agency fee than the one provided in the portal. However, since the LoE amount is incorrect but higher than the amount provided in the Portal, the GEF Sec is accepting the

LoEs provided. Please at CEO Endorsement stage, make sure the numbers in the LoE matched the Portal.

4/18/2022 PM:

No. Please address the following comments:

- There is an inconsistency between the Agency Fee as per the GEF Portal (i.e. \$95,022) and the Letter of Endorsement (i.e. \$99,772). Please address this inconsistency, and work with the GEF's Operational Focal Point to get a new Letter of Endorsement as need be.
- Also, PPG Fees are requested in the GEF's Portal (i.e. \$4,750) but not included in the Letter of Endorsement. Please address accordingly.
- Finally, Cabo Verde has remaining STAR resources from GEF-7 that could be used on this project. The remaining \$9,478.93 in STAR could be used for this project. Grateful if you can check with Cabo Verde GEF's Operational Focal Point (OFP) and, if interested, ensure that all of their remaining GEF-7 STAR is used.

Agency Response

Agency Response: 15.06.2022

This is noted, we will assure that the numbers in the LoE match the Portal entry at CEO stage.

Agency Response: 26.05.2022

- The endorsement letter has been updated incl. i) an increase in requested GEF financing by USD 9,478, in order for Cabo Verde to fully utilize its remaining GEF-7 STAR allocation; and ii) a more transparent presentation of the 9,5% agency fee for the requested GEF financing and the PPG.
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The STAR allocation?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

Yes.

Agency Response

The focal area allocation?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

N/A.

Agency Response

The LDCF under the principle of equitable access?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

N/A.

Agency Response

The SCCF (Adaptation or Technology Transfer)?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

N/A.

Agency Response

Focal area set-aside?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

N/A.

Agency Response

Impact Program Incentive?

Secretariat Comment at PIF/Work Program Inclusion
4/18/2022 PM:

N/A.

Agency Response
Project Preparation Grant

5. Is PPG requested in Table E within the allowable cap? Has an exception (e.g. for regional projects) been sufficiently substantiated? (not applicable to PFD)

Secretariat Comment at PIF/Work Program Inclusion
6/10/2022 PM:

Cleared. The updated LoE includes the PPG fees.

4/18/2022 PM:

Yes, the PPG requested is within the allowable cap. As noted above, please note that PPG Fees are requested in the GEF's Portal (i.e. \$4,750) but not included in the Letter of Endorsement. Please address this inconsistency accordingly.

Agency Response
Agency Response: 26.05.2022

- Please refer to the newly-obtained Letter of Endorsement uploaded to the PIF.

Core indicators

6. Are the identified core indicators in Table F calculated using the methodology included in the corresponding Guidelines? (GEF/C.54/11/Rev.01)

Secretariat Comment at PIF/Work Program Inclusion
6/10/2022 PM:

Cleared.

4/18/2022 PM:

No. Please address the following comments:

- The GHG mitigated by the project shall be calculated over the lifetime of the equipment instead of the lifetime of the project.
- Provide the sources of all the data and/or assumptions made for the calculations of the GHG reductions.
- Provide an excel sheet with the GHG calculations, so they can be easily tracked (this can be done at CEO Endorsement).

Agency Response

Agency Response: 26.05.2022

- The GHG reduction has been updated to calculate over the lifetime of the equipment.
 - The sources of data/assumption have been added in the PIF.
 - An excel sheet with GHG calculation attached (Roadmap -> Documents section)
-

Project/Program taxonomy

7. Is the project/program properly tagged with the appropriate keywords as requested in Table G?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

Yes.

Agency Response

Part II ? Project Justification

1. Has the project/program described the global environmental/adaptation problems, including the root causes and barriers that need to be addressed?

Secretariat Comment at PIF/Work Program Inclusion

6/10/2022 PM:

Cleared.

4/18/2022 PM:

No. Please address the following comments:

- If available, the proposal would benefit from a list of those renewable energy projects that are in the pipeline in CV, to better understand how the marginal factor of the grid is expected to change shall the grid expands in the near future to some of the (still to be determined) targeted communities. This can be done at CEO Endorsement as need be.
- As the proposal is also envisioning other potential uses of energy (such as ice-making), please add information on the energy access gap in Cabo Verde, with a focus on gender and potential productive uses in the country;
- Similarly, please provide more information on the relevance of fishing for the remote villages and the projected growth of artisanal marine fleet;
- Although the targeted communities would be defined at a later stage, please consider adding a paragraph on indigenous communities (if any) and how they could be affected.

Agency Response

Agency Response: 26.05.2022

- As suggested, a list of renewable projects will be added at CEO stage.
 - Information on the energy access gap added.
 - The relevance of fishing and projected growth of artisanal marine fleet provided.
 - There are no indigenous people in Cab Verde.
-

2. Is the baseline scenario or any associated baseline projects appropriately described?

Secretariat Comment at PIF/Work Program Inclusion

6/10/2022 PM:

Cleared.

4/18/2022 PM:

No. Please provide more information, such as lessons learnt, from the GEF SGP on Co-financing Artisanal Fishing Vessel Electric Mobility Project. Explain the difference in scope between the two projects, and how coordination between the two of them would happen to ensure optimization of the resources and avoid any potential overlap.

Agency Response

Agency Response: 26.05.2022

- A reference to the project has been included.

3. Does the proposed alternative scenario describe the expected outcomes and components of the project/program?

Secretariat Comment at PIF/Work Program Inclusion

6/10/2022 PM:

Cleared. Please at CEO Endorsement report back on the results of the feasibility analysis of battery swapping for fishing vessels in Cabo Verde. The feasibility study shall ultimately guide the choice of technology interventions for the implementation phase. The study shall assess the most suitable technical requirements and the benefits and challenges of the technical considerations for the small fishing boats. Ultimately, the CEO Endorsement document shall be adjusted to include the most suitable technology according to the results of the feasibility study.

4/18/2022 PM:

No. The proposal considers the battery swapping as the most viable option for this specific project, but it does include neither information on the viability of battery-swap business models in CV nor a comparison between different business models. As the economic and technical viability of this technology for small fishing boats is still relatively unproven (and overall battery-swap business models have been proved unsuccessful and in many countries even phased-out), we recommend leaving the PIF open to consider other options available during PPG before making a final determination on whether battery swapping would be a viable option. As such, please include a pre-feasibility/feasibility study at PPG stage as a condition to move ahead with the project. The feasibility study shall ultimately guide the choice of technology interventions for the implementation phase. The study shall assess the most suitable technical requirements and the benefits and challenges of the technical considerations for the small fishing boats.

Agency Response

Agency Response: 15.06.2022

Thank you for the comments. We take note of this and will report on the results of the study as CEO stage as well as adjust the documents to include the most suitable technology according to the outcome of the study.

Agency Response: 26.05.2022

- This section has been updated. In addition, as suggested we include a pre-feasibility/feasibility study at PPG stage.

4. Is the project/program aligned with focal area and/or Impact Program strategies?

Secretariat Comment at PIF/Work Program Inclusion
6/10/2022 PM:

Cleared.

4/18/2022 PM:

No. Since the project focuses on remote villages, we do not see a clear alignment with objective CCM-2-5 on sustainable cities. Please explain or remove reference to CCM-2-5 accordingly.

Agency Response

Agency Response: 26.05.2022

- Reference to CCM-2-5 removed.

5. Is the incremental/additional cost reasoning properly described as per the Guidelines provided in GEF/C.31/12?

Secretariat Comment at PIF/Work Program Inclusion
6/10/2022 PM:

Cleared.

4/18/2022 PM:

No. This section has not been properly addressed. Please elaborated further on the GEF's value added and identification of GEF's role in the design and implementation of the project.

Agency Response

Agency Response: 26.05.2022

- The section has been updated based on the comment.

6. Are the project?/s/program?s indicative targeted contributions to global environmental benefits (measured through core indicators) reasonable and achievable? Or for adaptation benefits?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

Yes.

Agency Response

7. Is there potential for innovation, sustainability and scaling up in this project?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

Yes.

Agency Response

Project/Program Map and Coordinates

Is there a preliminary geo-reference to the project?/s/program?s intended location?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

Yes.

Agency Response

Stakeholders

Does the PIF/PFD include indicative information on Stakeholders engagement to date? If not, is the justification provided appropriate? Does the PIF/PFD include information about the proposed means of future engagement?

Secretariat Comment at PIF/Work Program Inclusion

6/10/2022 PM:

Cleared.

4/18/2022 PM:

Yes, with suggestions. Please indicate in the PIF the dates when the consultations took place and indicate the format of the consultations.

Agency Response

Agency Response: 26.05.2022

- The dates and the format of the consultations added.

Gender Equality and Women's Empowerment

Is the articulation of gender context and indicative information on the importance and need to promote gender equality and the empowerment of women, adequate?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

Yes.

Agency Response

Agency Response to PPO comment: 15.06.2022

The following comment shall also be considered/provided at CEO Endorsement:

- The project document has mainstreamed gender equality throughout. It also specified that "As a guiding principle, the project is designed to ensure that both women and men (including... in communities benefiting from the e-mobility pilots) are provided equal opportunities to lead, participate in and benefit from the project.? In this regard, , at the CEO endorsement stage, please review the women-men distribution of its direct beneficiaries (Core Indicator 11) and adjust it closer to parity, as the project specifies it would aim to do.

Duly noted and thank you for the advice. We will review the women-men distribution of its direct beneficiaries and adjust it accordingly at the CEO endorsement stage.

Private Sector Engagement

Is the case made for private sector engagement consistent with the proposed approach?

Secretariat Comment at PIF/Work Program Inclusion
4/18/2022 PM:

Yes.

Agency Response **Risks to Achieving Project Objectives**

Does the project/program consider potential major risks, including the consequences of climate change, that might prevent the project objectives from being achieved or may be resulting from project/program implementation, and propose measures that address these risks to be further developed during the project design?

Secretariat Comment at PIF/Work Program Inclusion
6/10/2022 PM:

Cleared.

4/18/2022 PM:

No. Please address the following comments:

- The project is missing a reference to the risk of inadequate battery disposal and how the project would help mitigate this problem.
- Also, please note the paragraph on Covid-19 opportunities is not providing information on the opportunities Covid-19 could bring for the project, such as alignment with Government's policies on green recovery, creation of green jobs, etc.

Agency Response
Agency Response: 26.05.2022

- The risk of inadequate battery disposal added.
 - The paragraph on Covid-19 opportunities updated.
-

Coordination

Is the institutional arrangement for project/program coordination including management, monitoring and evaluation outlined? Is there a description of possible coordination with relevant GEF-financed projects/programs and other bilateral/multilateral initiatives in the project/program area?

Secretariat Comment at PIF/Work Program Inclusion

6/10/2022 PM:

Cleared.

4/18/2022 PM:

No. As indicated above, please describe further how the proposed project will coordinate with GEF SGP Co-financing Artisanal Fishing Vessel Electric Mobility Project.

Agency Response

Agency Response: 26.05.2022

- Done.

Consistency with National Priorities

Has the project/program cited alignment with any of the recipient country's national strategies and plans or reports and assessments under relevant conventions?

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

Yes.

Agency Response

Knowledge Management

Is the proposed ?knowledge management (KM) approach? in line with GEF requirements to foster learning and sharing from relevant projects/programs, initiatives and evaluations; and contribute to the project?s/program?s overall impact and sustainability?

Secretariat Comment at PIF/Work Program Inclusion
4/18/2022 PM:

Yes.

Agency Response
Environmental and Social Safeguard (ESS)

Are environmental and social risks, impacts and management measures adequately documented at this stage and consistent with requirements set out in SD/PL/03?

Secretariat Comment at PIF/Work Program Inclusion
4/18/2022 PM:

Yes.

Agency Response

Part III ? Country Endorsements

Has the project/program been endorsed by the country?s GEF Operational Focal Point and has the name and position been checked against the GEF data base?

Secretariat Comment at PIF/Work Program Inclusion
6/14/2022 PM:

No. The only institution included in the LoE to execute the project is the Ministry of Industry, Trade and Energy. However, in Portal there is another Ministry (Ministry of the Sea) as Executing Partner ? please either (i) get a new LoE confirming the Ministry of the Sea as a co-executing Partner; or (ii) to remove Ministry of the Sea from Portal (in Project Information and in Section 6 ? Coordination) ? it can be reinstated during project preparation as appropriate.

6/10/2022 PM:

Cleared. Due to the re-calculations made to fully utilize the remaining STAR resources, we note there is an inconsistency in the LoEs, which states a higher GEF funding and agency fee than the one provided in the portal. However, since the LoE amount is incorrect but higher than the amount provided in the Portal, the GEF Sec is accepting the LoEs provided. Please at CEO Endorsement stage, make sure the numbers in the LoE matched the Portal.

4/18/2022 PM:

Yes, with comments. As noted above, the budget figures in the Letter of Endorsement do not match the figures in the PIF. Please address this inconsistency.

Agency Response

Agency Response: 15.06.2022

As suggested, we removed the Ministry of the Sea from Portal. We will look into it and reinstate it during project preparation if applicable.

Agency Response: 26.05.2022

- Please see new Letter of Endorsement uploaded to the PIF.

Termsheet, reflow table and agency capacity in NGI Projects

Does the project provide sufficient detail in Annex A (indicative termsheet) to take a decision on the following selection criteria: co-financing ratios, financial terms and conditions, and financial additionality? If not, please provide comments. Does the project provide a detailed reflow table in Annex B to assess the project capacity of generating reflows? If not, please provide comments. After reading the questionnaire in Annex C, is the Partner Agency eligible to administer concessional finance? If not, please provide comments.

Secretariat Comment at PIF/Work Program Inclusion

4/18/2022 PM:

N/A.

Agency Response

GEFSEC DECISION

RECOMMENDATION

Is the PIF/PFD recommended for technical clearance? Is the PPG (if requested) being recommended for clearance?

Secretariat Comment at PIF/Work Program Inclusion
6/15/2022 PM:

Cleared.

6/14/2022 PM:

No. Please address the following comments raised by our policy team:

- Letter of Endorsement: the only institution included in the LoE to execute the project is the Ministry of Industry, Trade and Energy. However, in Portal there is another Ministry (Ministry of the Sea) as Executing Partner ? please ask the Agency to either (i) get a new LoE confirming the Ministry of the Sea as a co-executing Partner or (ii) to remove Ministry of the Sea from Portal (in Project Information and in Section 6 ? Coordination) ? it can be reinstated during project preparation as appropriate.

- On Co-financing: (i) All the entries (9 entries) are missing the name of potential co-financier. Please enter the entity names. If it's too early to identify/disclose the entities, please remove the entries. At CEO endorsement request, report as confirmed co-financing; and (ii) For each reported Investment mobilized co-financing, please provide a brief summary of the co-financing (i.e., cash contribution, public investment in case of government budget) and the disbursement timeframe in the Investment Mobilized description section.

6/10/2022 PM:

Cleared.

4/18/2022 PM:

No. Please address comments above.

ADDITIONAL COMMENTS

Additional recommendations to be considered by Agency at the time of CEO endorsement/approval.

**Secretariat Comment at PIF/Work Program Inclusion
6/14/2022:**

The following comment shall also be considered/provided at CEO Endorsement:

- The project document has mainstreamed gender equality throughout. It also specified that "As a guiding principle, the project is designed to ensure that both women and men (including... in communities benefiting from the e-mobility pilots) are provided equal opportunities to lead, participate in and benefit from the project.? In this regard, , at the CEO endorsement stage, please review the women-men distribution of its direct beneficiaries (Core Indicator 11) and adjust it closer to parity, as the project specifies it would aim to do.

6/10/2022 PM:

The following shall be considered/provided at CEO Endorsement:

- The pre-feasibility/feasibility study at PPG stage is a condition to move ahead with the project. Please at CEO Endorsement report back on the results of the feasibility analysis of battery swapping for fishing vessels in Cabo Verde. The feasibility study shall ultimately guide the choice of technology interventions for the implementation phase. The study shall assess the most suitable technical requirements and the benefits and challenges of the technical considerations for the small fishing boats. Ultimately, the CEO Endorsement document shall be adjusted to include the most suitable technology according to the results of the feasibility study.

- Due to the re-calculations made to fully utilize the remaining STAR resources, we note there is an inconsistency in the LoEs, which states a higher GEF funding and agency fee than the one provided in the portal. However, since the LoE amount is incorrect but higher than the amount provided in the Portal, the GEF Sec is accepting the LoEs provided. Please at CEO Endorsement stage, provide an updated LoE and make sure the numbers in the LoE matched the Portal;

- List of existing and planned (in pipeline) renewable energy projects in CV;

- Co-financing letters;

- Updated GHG excel sheet, if applicable;

4/18/2022 PM:

- Provide an excel sheet with the GHG calculations, so they can be easily tracked.
- If available, the proposal would benefit from a list of those renewable energy projects that are in the pipeline in CV, to better understand how the marginal factor of the grid is expected to change shall the grid expands in the near future to some of the (still to be determined) targeted communities.
- All letters of co-financing shall be provided at CEO Endorsement stage.

Review Dates

	PIF Review	Agency Response
First Review		5/26/2022
Additional Review (as necessary)		
Additional Review (as necessary)		
Additional Review (as necessary)		
Additional Review (as necessary)		

PIF Recommendation to CEO

Brief reasoning for recommendations to CEO for PIF Approval