

PIR FY 2024 5649 NAMA Mauritius

UNEP GEF PIR Fiscal Year 2024

Reporting from 1 July 2023 to 31 January 2024

INSTRUCTIONS TO COMPLETE THIS PIR

1. *Instructions in blue are directed to Task Managers / Administrative Officers*
2. *Instructions in red are directed to Project Managers and Executing Agencies*
3. When filling up the respective cells, use the Normal style from the template. The text will look like this.
4. *Fields in green are new additions since last year's PIR.*

1. PROJECT IDENTIFICATION

1.1. Project details

This entire table is to be prepared by Task Managers

Identification Table	GEF ID.: 5649	Umoja WBS: S1-32GFL-000615 P1-33GFL-001071 P1-33GFL-001613 SB-006695
	SMA IPMR ID: 30703	Grant ID: S1-32GFL-000615
	Project Short Title: NAMA Mauritius	
Project Title	Nationally Appropriate Mitigation Actions (NAMAs) for Low Carbon Island Development Strategy	
Duration months	<i>Planned</i>	48
	<i>Age</i>	84
Project Type	Medium Size Project	
<i>Parent Programme if child project</i>	Not applicable	
Project Scope	National	
Region	Africa	
Countries	Republic of Mauritius	
GEF Focal Area(s)	Climate Change Mitigation	
GEF financing amount	USD 1,452,000	
Co-financing amount	USD 33,520,000	
Date of CEO Endorsement/Approval	12 July 2016	
<i>UNEP Project Approval Date (on Decision Sheet)</i>	11 October 2016	
Start of Implementation (PCA entering into force)	28 February 2017	
<i>Date of Inception Workshop, if available</i>	10 May 2018	
Date of First Disbursement	23 March 2017	
Total disbursement as of 31 January 2024	USD 1,175,270 ¹	
Total expenditure as of 31 January 2024	USD 871,023.83 ²	
<i>Midterm undertaken?</i>	Yes	

¹ Including the cash advances given to UNEP-CCC

² This includes the expenditure made by the Ministry and UNEP-CCC. Under finalization.

Actual Mid-Term Date, if taken	22 September 2021	
Expected Mid-Term Date, if not taken	N/A	
Completion Date	<i>Planned – original PCA</i>	28 February 2021
	<i>Revised – Current PCA</i>	31 January 2024
Expected Terminal Evaluation Date	30 November 2024	
Expected Financial Closure Date	31 January 2025	

1.2. Project description

The objective of this project is to ensure a low carbon economy development pathway for Mauritius by establishing the national capacity for formulating and prioritizing mitigation actions to implement Nationally Determined Contributions (NDC) for all mitigation sectors and further develop the local capacity to design and implement mitigation actions relevant for renewable energy. The project would culminate in the formulation of the first National Climate Change Mitigation Strategy and Action Plan for Republic of Mauritius (RoM) and is structured into three components, as follows:

Component 1: Strengthen National Capability to identify, prioritize and develop mitigation actions to meet NDCs targets. It is led by the Ministry of Environment, Solid Waste Management and Climate Change in consultation with stakeholders of key mitigation sectors namely energy industries, transport, IPPU, solid and liquid waste, agriculture, and forestry.

Component 2: Initiate implementations on Renewable Energy (RE) target to meet the NDC goals through development of regulatory, legal and policy framework, streamlining electricity project approval process, RE grid integration and smart grid development strategy. It is led by the Ministry of Energy and Public Utilities, Central Electricity Board and Utility

Component 3: Establishment of an Enhanced Transparency Framework (ETF) to track and transparently report on NDC implementations including link to the national registry mechanism and monitoring plan covering key parameters for all sectors. It is led by the Ministry of Environment, Solid Waste Management and Climate Change and the Statistic Mauritius with technical support of UNEP Copenhagen Climate Centre.

1.3. Project Contacts

Division(s) Implementing the project	Industry & Economy Division, Energy and Climate Branch, Climate Change Mitigation unit, UNEP
Name of co-implementing Agency	N/A
Executing Agency(ies)	Ministry of Environment, Solid Waste Management and Climate Change & UNEP Copenhagen Climate Centre
Names of Other Project Partners	Ministry of Energy and Public Utilities, Central Electricity Board, Utility Regulatory Authority and Statistics Mauritius
UNEP Portfolio Manager(s)	Geordie Colville
UNEP Task Manager(s)	Sudhir Sharma
UNEP Budget/Finance Officer	Fatma Twahir
UNEP Support/Assistants	Manoj Kumar Muthumanickam (Substantial) Nobharindra Vejanukroh (Finance)
EA Manager/Representative	Sarita Meeheelaul (Mrs)
EA Project Manager	Rayd Aslam Moniaruch
EA Finance Manager	M. C. Chan Tsung Sing (Mrs)

EA Communications Lead, if relevant	<i>Not applicable</i>
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2. OVERVIEW OF PROJECT STATUS

2.1 UNEP PoW and UN

UNEP Current Subprogramme(s)	Programme of Work 2022-2023, climate action subprogramme
PoW Indicator(s)	(i) Number of national, subnational and private-sector actors that adopt climate change mitigation and/or adaptation and disaster risk reduction strategies and policies with UNEP support.
UNEP previous Subprogramme(s)	<i>Not applicable</i>
UNSDCF / UNDAF linkages	Mauritius and the UN Strategic Partnership Framework 2019 – 2023 Resilience to Climate Change Forecasting capacities to identify future climate risks for adaptive planning
Link to relevant SDG Goal(s)	SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all
Link to relevant SDG Target(s)	7.2 By 2030, increase substantially the share of renewable energy in the global energy mix 7.2.1 Renewable energy share in the total final energy consumption

2.2. GEF Core Indicators:

GEF Core or sub indicators targeted by the project as defined at CEO Endorsement/Approval, as well as results.

Indicators	Targets – Expected Value			Materialized to date
	Mid-term	End-of-project	Total target	
N/A	N/A	N/A	N/A	(N/A) This is a GEF 5 project.

2.3. Implementation Status and Risk

[complete the fiscal year and select: 1st PIR; 2nd PIR; Final PIR; select HS; S; MS; MU; U; HU; unknown; not rated to rate the progress towards outcomes and outputs in third and fourth lines; select H; S; M; L; to rate risks for the fiscal year you are reporting in the fifth line. Add more columns if needed]

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
PIR #	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th
Rating towards outcomes (DO) (section 3.1)	MU	MS	S	S	MS	S	S
Rating towards outputs (IP) (section 3.2)	MU	MS	S	S	S	S	S
Risk rating (section 4.2)	L	M	M	M	L	L	L

Summary of status. Please structure as follows, highlighting progress, challenges and main achievements, as needed:

- The project document and Project Implementation Plan was prepared in 2016 and a Project Cooperation Agreement (PCA) signed in 2017. Amendments were brought to the PCA in August 2018, February 2021 and August 2022. The Amendment No.3 of the PCA was signed on 18 August 2022, thereby extending the Technical Completion of the project to 31 January 2024.
- UNEP Copenhagen Climate Centre (formerly UNEP-DTU Partnership) [UNEP CCC] is providing technical assistance under the project.
- The project started in May 2018 after the inception workshop with the re-alignment of the project components with NDC goals, except for Component 2.
- A major factor impeding the implementation was agreement with relevant ministries on the work to be undertaken in support of facilitating investments in the RE sector. This was addressed and resolved in early 2020 and MOAs were signed with two key government entities, namely the Utilities Regulatory Authority (URA) and the Central Electricity Board (CEB).
- Two deliverables were endorsed at the 5th meeting of the Project Steering Committee, held on 24 September 2021, namely:
 - a. MRV Baseline Analysis; and
 - b. Baseline Analysis for Mitigation Actions.
- Three deliverables under Components 1 and 3 have been endorsed at the 7th meeting of the Project Steering Committee held on 17 January 2023, namely:
 - a. Stakeholder Engagement Plan (SEP);
 - b. Guidelines for Identifying and Prioritising Mitigation Actions; and
 - c. National Climate Change Mitigation Strategy and Action Plan (NCCMSAP).
- The NCCMSAP received Government Agreement for implementation on 30 June 2023.
- A 3-day Capacity Building was held from 13 to 15 March 2023 on GACMO by an expert from UNEP CCC.
- A 3-day Capacity Building on climate finance was held from 25 to 27 April 2023 by four (4) experts from UNEP CCC. 4 Project Ideas were developed.
- An Addendum to the Memorandum of Agreement (MoA) with CEB was signed on 19 July 2023 for the implementation of new activities under the NAMA Project, amounting to USD 169,252. The sum of USD 59,626 was disbursed to CEB on 02 August 2023.
- Procurement of a National Consultant (Renewable Energy Expert) under Component 2 was unsuccessful twice. In accordance with UNEP Guidance, no procurements could be conducted afterward. Hence, in order to expedite the activity for the development of financial project proposals for the RE sector under output 2.4, the Project Team initiated and coordinated actions for the development in collaboration with UNEP CCC.
- Three (3) project proposals were submitted to the Mitigation Action Facility (MAF) by 31 July 2023, namely:
 - a. Greening the transport sector in Mauritius through the introduction of electric buses;
 - b. Mauritius Renewable Energy Revolving Fund; and
 - c. De-risking Facility for Energy Performance Contracting in Mauritius.
- The remaining deliverables under Component 1 & 3 were validated as follows:
 - a. Gender Analysis and Gender Action Plan (GAP) - 16 August 2023 in Mauritius and 30 August 2023 in Rodrigues Island;
 - b. Institutional Arrangement for Climate Governance - 16 August 2023 in Mauritius and 30 August 2023 in Rodrigues Island; and
 - c. National Climate Change Mitigation Strategy and Action Plan – Rodrigues Supplement - 30 August 2023.
- The above deliverables were approved at the 8th meeting of the Project Steering Committee held on 11 September 2023.
- Three (3) separate deliverables/ documents (i) *Institutional arrangements for Climate Governance*; (ii) *Stakeholders Engagement Plan*, (iii) *Guidelines for Identifying and prioritizing Mitigation Actions* were produced under the NAMA project in line with the Terms of Reference of the Consultancy firm. In view that the reports had the same objectives and were interlinked making cross references to each other, it had been agreed with UNEP-DTU Partnership (the now UNEP Copenhagen Climate Centre), for the reports to be lumped together in one document entitled: ***Navigating Climate Action- A Comprehensive Guide to Institutional Arrangements for Climate Governance, Stakeholders Engagement and identification of Mitigation Actions.*** As per government procedures, the new

document has been circulated to stakeholders on 12 July 2024 for their “no objection” which is still awaited. Once no objection from all stakeholders is received, same along with the NCCMSAP Rodrigues supplement and the Gender Analysis and Action Plan Reports for which stakeholder approval has already been received will be forwarded to seek government agreement. Process to seek Government Agreement is still under way.

- Capacity Buildings were carried out in Rodrigues from 31 August 2023 to 1 September 2023 to train stakeholders from Rodrigues on the use of the MauNDC Registry.
- The MauNDC Registry was launched on 23 November 2023 at Les Suites, The Docks 2, Port-Louis, with around 60 participants during the launch event. Sectoral meetings for data population were held and periodical refresher training were dispensed during the period March-November 2023, with at least 60 stakeholders. Data input from the different sectors, both mitigation and adaptation, were reviewed and suggestions for improvements were provided by UNEP CCC on a rolling basis, in particular for five (5) sectors, namely Energy, Solid Waste, Coastal Zone, Refrigeration and Air-conditioning, and Agriculture.
- Two (2) project proposals were retained by the MAF for the Outline phase, namely
 - a. Mauritius Renewable Energy Revolving Fund; and
 - b. De-risking Facility for Energy Performance Contracting in Mauritius.
- The two (2) Outlines were submitted to the MAF on 21 December 2023 and 30 December 2023 respectively.
- The project proposal “Greening the transport sector in Mauritius through the introduction of electric buses” was further developed into a GCF Concept Note for subsequent submission to the GCF Council.
- The Editor was recruited in July 2023. On 1 December 2023, the edited drafts of the following document were submitted:
 - a. Manual comprising of the Institutional Arrangements for Climate Governance, Stakeholders Engagement Plan, and Guidelines for Identifying and Prioritising Mitigation Actions;
 - b. NCC Mitigation Strategy and Action Plan;
 - c. NCC Mitigation Strategy and Action Plan (Rodrigues Supplement); and
 - d. Gender Analysis and Action Plan.
- The Project Administrative Assistant, recruited on 27th October 2021, left on 3rd November 2024. The Project Manager who was recruited on 5th October 2021, resigned on 31st December 2024.

Challenges:

- Unsuccessful recruitment of RE experts.
- Unresponsive offer for the SDM training, also due to festive season.
- Difficulty in populating the MauNDC Registry - Difficulty for stakeholders to identify correct information to input on the platform. The assistance of UNEP Copenhagen Climate Centre was requested to review and comment on information provided by stakeholders, following sectoral meetings and refresher trainings. Stakeholders requesting additional training on the MauNDC Registry and information submitted required several reviews by UNEP CCC.
- Deployment delayed to due longer lead time for receiving refurbished equipment from supplier in Italy (shipping related problems).
- Departure of Project Staff (PM and PAA) before the end of the project tenure.

Rating towards outcomes: The rating towards outcomes is Satisfactory.

Outcome 1 has been completed.

The Mitigation prioritisation framework has been developed for the Institutional Arrangements for Climate Governance – Operational Guidelines for the implementation of the climate change mitigation provisions in the Climate Change Act 2020. This framework was endorsed by the Project Steering Committee.

The Mitigation Strategy and Action Plan for Mauritius and the Supplement for Rodrigues have been endorsed by the Project Steering Committee and endorsement has been obtained for the Mauritius MSAP while for the Rodrigues Supplement has been initiated. A Web based MRV Registry platform to track NDC actions has been set up.

Outcome 2 has been completed to a larger extent.

3 Project Proposals on renewable energy, electric vehicles and energy efficiency have been developed by UNEP CCC, under Outcome 2.

The other deliverables under Outcome 2, being undertaken by the URA and the CEB, were initiated before Jan 2024. Updating of the CEB Cost of Electricity Services and Pricing of the Services for determination of electricity end users' tariffs and tariffs to promote renewable energy was completed in January 2024. Capacity building on System Dynamic Modelling using VENSIM tools (activity was not pursued as the services of a service provider could not be secured on account of time limit). Supply of 7 demonstration solar PV kits (2 PV kits in Rodrigues and 5 PV kits in Mauritius) which were initiated before Jan 2024 was also completed and upgrading of CEB UoM Solar map has also advanced.

Outcome 3 has been completed.

The MauNDC Registry Platform forms the basis for MRV of NDC actions. The platform has been set up (went live on 05 December 2022) and is operational (launched on 23 November 2023).

A Training of Trainers on the MauNDC Registry was held from 28th November to 1st December 2022, whereby 59 participants were trained on interacting with the Registry. Additionally, 30 sectoral meetings were held with at least 60 stakeholders during the period March-November 2023. It is estimated that at least 15 stakeholders are capable of collecting and providing data on the Registry, as per the proposed indicator for the Outcome 3.

Rating towards outputs: The rating towards outputs is Satisfactory (S) because all deliverables under Components 1 and 3 have been finalised and endorsed by the Project Steering Committee. The MauNDC Registry has been set up and launched on 23 November 2023; data population is on-going; and periodical refresher trainings were dispensed to stakeholders.

The CEB has completed all activities under the initial Memorandum of Agreement signed in May 2021. An Addendum to the MoA was signed in July 2023 for the implementation of activities as per the Amendment No.3 of the PCA. Some activities were still under implementation due to delays outside the control of the CEB or the Ministry.

In line with the Addendum to the MoA signed in July 2023, all activities were initiated before Jan 2024. Updating of the CEB Cost of Electricity Services and Pricing of the Services for determination of electricity end users' tariffs and tariffs to promote renewable energy was completed in January 2024.

However, the following activities were still ongoing after January 2024: -

- Supply of 7 demonstration solar PV kits (2 PV kits in Rodrigues and 5 PV kits in Mauritius) (which has been since completed)
- Upgrading of CEB-UoM Solar Map
- Capacity building on System Dynamic Modelling using VENSIM tools (activity was not pursued as the services of a service provider could not be secured on account of time limit).

The remaining work which consisted of hosting the system on cloud and approved at the 8th Project Steering Committee, has not been implemented to date due to the project closure and lack of funds beyond the project resources. Without the cloud hosting on the URA system, the live testing and commissioning could not be completed. The SDM training could not be conducted due to unresponsive offer despite several attempts.

The project Outlines for the renewable energy sector were submitted to the Mitigation Action Facility. An on-site assessment was conducted by MAF during mid-March 2024. A GCF Concept note for electric buses was also developed.

Overall risk rating: The rating for the Consolidated Project Risk is Low Risk (L). The risks identified in the previous reporting period no longer impacts the project. Further details are provided in the risk section.

[section will be uploaded into the GEF Portal]

2.4. Co-financing

Planned Co-finance Total:	A major part of the original expected co-finance was from the policy and regulatory support, and private sector investments to scale up the wind farms,
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<p><i>33,520,000 USD</i> Actual to date: USD 1,028,603 (3.07%) and prospective financing of USD 74.53 Million</p>	<p>which at the time of project design was a country priority. Subsequently due to various social and economic challenges the wind projects were not approved by the Government. Since, the focus on RE has changed towards increasing the use of solar energy in the medium term and offshore wind in the medium to long term. The MTR was supposed to identify new sources of co-finance, in line with the current activities of the project, however, this was not completed.</p> <p>With UNEP's guidance efforts have already been taken to leverage the GEF funds for additional resources from avenues like GCF, and Mitigation Action Facility (MAF).</p> <p>Synergies between the GCF funded Project "Accelerating Transformational Shift for Low Carbon Island Economy" were considered and new activities were identified thereat and included under Component 2 of the Project during the PCA Amendment No. 2.</p> <p>Additionally, the contribution of the National Advisor under the Commonwealth Finance Access Hub in implementing activities under Output 2.4 have been quantified as in-kind contributions and amounted to USD 3,751. Furthermore, the "Institutional Gaps and Needs Assessment – phase 1" funded by the European Union through the European Development Fund (EDF) Technical Cooperation Facility is also considered as co-finance for Component 1.</p> <p>Three Project Outlines/Concept Note were developed for a cumulative funding support of around USD 74.53 Million. Two Outlines (Euro 42 Million) were submitted to the Mitigation Action Facility (MAF) by 31 December 2023. One Outline (Euro 17 Million) has been short-listed for an in-depth assessment which is planned for mid-March 2024 by the MAF. The GCF Project Concept Note (USD 28.97M) would be submitted to the GCF shortly. The other Outline would be submitted to other potential donors.</p>
<p>Progress</p>	<p>The Co-Finance received from UNEP and UNEP CCC, amounts to a total of USD 200,000, in accordance with the CEO Endorsement Document.</p> <p>The Co-Finance estimated from Government contribution, over the years are as follows:</p> <ul style="list-style-type: none"> • Year 2017: USD 19,781; • Year 2018: USD 23, 967; • Year 2019: USD 25, 992; • Year 2020: USD 37, 994; • Year 2021: USD 61, 226; • Year 2022: USD 39,385; and • Year 2023/24: USD 119,660. <p>The total co-finance estimated from Government Contribution from the Year 2017 to 2024, is USD 328,004.</p> <p>The co-finance received from the GCF Project "Accelerating Transformation Shift for Low carbon Island Economy" for the period July 2023 to December 2023 amounted to USD 700,599.</p>

2.5. Stakeholder engagement

<p>Date of project steering committee meeting</p>	<p>1st Meeting of the Project Steering Committee held on 11 May 2018; 2nd Meeting of the Project Steering Committee held on 23 April 2019; 3rd Meeting of the Project Steering Committee held on 12 December 2019; 4th Meeting of the Project Steering Committee held on 09 September 2020; 5th Meeting of the Project Steering Committee held on 24 September 2021; 6th Meeting of the Project Steering Committee held on 24 May 2022; 7th Meeting of the Project Steering Committee held on 17 January 2023; and</p>
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	8 th meeting of the Project Steering Committee held on 11 September 2023.
Stakeholder engagement	<p>The Climate Change Act (CCA) 2020, which entered into force on 22 April 2021, provides a backbone for the development of institutional arrangement for NDC implementation and monitoring. The National Climate Change Mitigation Strategy and Action Plan (NCCMSAP), which is the main deliverable developed under this project, is aligned with Section 14 and 20 of the Act. It is to be noted that the other deliverables, under the project, would support the implementation of the NCCMSAP, thus also aligned with the CCA 2020.</p> <p>11 bilateral meetings with key stakeholders were held to enable preparation of deliverables under Components 1 and 3. A preliminary assessment of institutional arrangements through the Act was conducted. Following this, Sectoral Terms of Reference (ToRs) were developed, articulating the roles and responsibilities of institutions regarding climate change mitigation.</p> <p>A stakeholder engagement plan based on the institutional arrangements and roles and responsibilities outlined in the CCA 2020 has been finalised and endorsed at the 7th meeting of the Project Steering Committee.</p> <p>The “National Climate Change Mitigation Strategy and Action Plan” was successfully validated on 04 October 2022. There were 42 participants, inclusive of 17 women.</p> <p>The Gender Analysis and Gender Action Plan and the Institutional Arrangement for Climate Governance were validated on 16 August 2023. There were 42 participants, inclusive of 26 women.</p> <p>The National Climate Change Mitigation Strategy and Action Plan – Rodrigues Supplement was validated on 30 August 2023 in Rodrigues.</p> <p>Extensive consultations/meeting and trainings were held with concerned stakeholders for the population of the Registry. The MauNDC Registry was launched on 23 November 2023. There were 27 participants. [https://gis.govmu.org/News/SitePages/MauNDC-Registry-launched-to-promote-environmental-innovations.aspx?gl=1*1ebiazv*ga*NDE5MDg1NzAwLjE3MDEwODU1OTI.*ga_JFCCER4YDE*MTcwMTA4NTU5MS4xLjEuMTcwMTA4NTY0Ni41LjAuMAJ]</p> <p>92 officers from different Ministries/ Parastatal Bodies were nominated as thematic owners and thematic users on the MauNDC Registry. Training was also provided. Additionally, a manual for the MauNDC Registry was developed to assist stakeholders in effectively using the platform.</p> <p>Extensive consultation was undertaken with relevant stakeholders for the development of the three project proposals.</p>

2.6. Gender

Does the project have a gender action plan?	Yes
Gender mainstreaming	<p>To consider the gender aspect in Climate Change Mitigation, a gender analysis has been performed and a Gender Action Plan has been developed as part of the project. The GAP proposes measures for gender mainstreaming across all the mitigation sectors. It was validated on 16 August 2023 in Mauritius and 30 August 2023 in Rodrigues.</p> <p>During the 7th and 8th Meeting of the Project Steering Committee, held on 17 January and 11 September 2023, 46% (17 out of 37) and 39% (12 out of 31) of attendees were women.</p>

	<p>The Project Staff was also gender balanced through the composition of a man (PM) and a woman (PAA). Additionally, the Director of the Department of Climate Change, the Head of the Climate Change Division overseeing the project and two core project staff were all women.</p> <p>Women are being empowered under the project. Seven (7) solar kits are being installed by the CEB on Women Centres and dedicated workshop were held to empower women (activity 2.1.4 refers).</p> <p>Gender differentiated information on Trainings conducted is available in the table at section 2.8 “Knowledge Management”.</p> <p>[section will be uploaded into the GEF Portal]</p>
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2.7. Environmental and social safeguards management

Moderate/High risk projects (in terms of Environmental and social safeguards)	<p>Was the project classified as moderate/high risk CEO Endorsement/Approval Stage?</p> <p><i>No</i></p> <p>If yes, what specific safeguard risks were identified in the SRIF/ESERN?</p> <p><i>Non</i></p>
New social and/or environmental risks	<p>Have any new social and/or environmental risks been identified during the reporting period?</p> <p><i>No</i></p>
Complaints and grievances related to social and/or environmental impacts (to be filled in by TM and EA)	<p>Has the project received complaints related to social and/or environmental impacts (actual or potential) during the reporting period?</p> <p><i>No</i></p>
Environmental and social safeguards management	<p>The Environmental and Social safeguards earlier identified were with respect to the Wind projects which are no longer the focus of the project. These were replaced by activities that did not include any pilots but only TA work.</p> <p>Additionally, a Gender Analysis and Action Plan has been developed and proposes measures for gender mainstreaming across all mitigation sectors.</p> <p>On the other hand, it may be noted that the National Climate Change Mitigation Strategy and Action Plan for Mauritius developed under the project, estimates that the impact of mitigation measures identified would amount to an emission reduction of 5,349 ktCO_{2e} with respect to the Business-as-Usual Scenario by 2030. These measures once implemented would result in green job creation.</p> <p>[section will be uploaded into the GEF Portal]</p>

2.8. Knowledge management

Knowledge activities and products	<p>An online Platform, entitled ‘MauNDC Registry’ was developed with the support of UNEP Copenhagen Climate Centre (UNEP CCC). It would enable the tracking of mitigation and adaptation actions, as well as support needed and received. The platform was designed using a modular approach, thus enabling future integration of other MRV aspects, such as GHG inventories. The platform was launched on 23 November 2023 and data population is on-going at the end of the project. 92 officers from different Ministries/ Parastatal Bodies were nominated as thematic owners and thematic users. A manual for the MauNDC Registry has been developed to assist stakeholders in effectively using the platform.</p> <p>The following trainings were conducted:</p> <ul style="list-style-type: none"> • A 2-day capacity building was also organized on 31 August and 01 September 2023 in Rodrigues with around 20 stakeholders.
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	<ul style="list-style-type: none"> • Around 30 sectoral meetings on the MauNDC Registry, inclusive of refresher trainings on the usage of the platform were held during the period March-November 2023, with at least 60 stakeholders. <p>These are in addition to the trainings conducted previously, such as:</p> <ul style="list-style-type: none"> • A virtual Refresher Call with stakeholders on the MauNDC Registry was held on 22 November 2022. There was a total of 50 participants, inclusive of 18 women. • A second round of User Acceptance Testing on the MauNDC Registry was held on 25 November 2022 with 7 participants, inclusive of 5 women. • A Training of Trainers Workshop on the MauNDC Registry was held from 28 November to 01 December 2022. There was a total of 59 participants, inclusive of 18 women, spanned over 4 days. • A Capacity Building on the Greenhouse Gas Abatement Cost Model (GACMO), by an expert from UNEP CCC, was undertaken from 13 to 15 March 2022 (https://govmu.org/EN/newsgov/SitePages/Climate-Change--Capacity-Building-Workshop-under-the-Nationally-Appropriate-Mitigation-Actions-project-held-in.aspx). There was a total of 37 participants, inclusive of 19 women, spanned over 3 days • A Capacity Building on the development of Financial Project Proposals by four experts from UNEP CCC, was undertaken from 25 to 27 April 2023. There was a total of 37 participants, inclusive of 11 women, spanned over 3 days.
Main learning during the period	N/A

2.9. Stories to be shared

Stories to be shared	N/A
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3. PROJECT PERFORMANCE AND RISK

Based on inputs by the Project Manager, the **UNEP Task Manager**³ will make an overall assessment and provide ratings of:

- (i) Progress towards achieving the project Results(s)- see section 3.1
- (ii) Implementation progress – see section 3.2

Section 3.3 on Risk should be first completed by the Project Manager. The UNEP Task Manager will subsequently enter his/her own ratings in the appropriate column.

3.1 Rating of progress towards achieving the project outcomes (Development Objectives)

[copy and paste the CEO Endorsement (or latest formal Revision) approved Results Framework, adding/deleting outcome rows, as appropriate]

Project objective and Outcomes	Indicator	Baseline level	Mid-term target	End-of-project target	Progress as of current period (numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June 2024	Progress rating ⁴
Objective: To ensure a low carbon economy development pathway for Mauritius by establishing the national capacity for formulating and prioritizing mitigation actions to implement NDC for all mitigation sectors and further develop the local capacity to design and implement mitigation actions relevant for renewable energy.	# of NAMA ideas listed in the National NAMA Registry	0	5	5	100%	<p>Project has undertaken review of NDC, NDC action plan, and other relevant climate change and sectoral strategies and plans with focus on mitigation actions to develop a revised NDC action plan including specific implementation instruments and emission scenario. A costed implementation strategy for identified mitigation actions to meet the NDC goals has been endorsed by the Project Steering Committee on its 7th Meeting, held on 17 January 2023. The deliverable has also secured Government Agreement on 30 June 2023.</p> <p>The project has set up the online NDC Registry Platform, entitled 'MauNDC Registry'. The platform was launched on 23 November 2023. Data population was on-going at the time of the project closure as at 31 Jan 2024.</p> <p>Additionally, 3 project proposals for the Renewable Energy, Electric Vehicles and Energy Efficiency Sectors were developed as part of the</p>	S

³ For joint projects and where applicable ratings should also be discussed with the Task Manager of co-implementing agency.

⁴ Use GEF Secretariat required six-point scale system: Highly Satisfactory (HS), Satisfactory (S), Marginally Satisfactory (MS), Marginally Unsatisfactory (MU), Unsatisfactory (U), and Highly Unsatisfactory (HU).

**PIR FY 2024
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Project objective and Outcomes	Indicator	Baseline level	Mid-term target	End-of-project target	Progress as of current period (numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June 2024	Progress rating ⁴
						<p>project and submitted to the Mitigation Action Facility by 31 July 2023. 2 proposals were retained for further development into detailed project outlines. The Outlines were submitted to the MAF on 21 and 30 December 2023, respectively.</p> <p>The Transport proposal has been reworked into a GCF Project Concept Note for subsequent submission to the GCF Board.</p> <p>Under the Component 2, the URA has completed the following activities, namely:</p> <ol style="list-style-type: none"> 1) Drafting of the Regulation on Electricity Tariff, activity 2.1.1; 2) Drafting of the Net Metering Rules and Regulation, activity 2.1.2; 3) Development of Online Dashboard for Monitoring of Key Performance Indicator (KPI), activity 2.2.2; and 4) Development of an Excel Based Tool for Tariff Calculations, activity 2.2.1. <p>However, the URA Online Dashboard would need to be hosted on the cloud system to ease deployment to IPPs. This could not be completed before the project closure because of the delays in procurement.</p> <p>The CEB has completed three activities, namely:</p> <ol style="list-style-type: none"> 1) Study on CEB's Cost of Electricity (Supply), Activity 2.1.3; 2) Advanced Metering Infrastructure, activity 2.3.1; and 3) Enhancing and Extending Awareness on Renewable Energy, Energy Efficiency and Electric Mobility in the Republic of Mauritius. 	

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Project objective and Outcomes	Indicator	Baseline level	Mid-term target	End-of-project target	Progress as of current period (numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June 2024	Progress rating ⁴
						<p>25% of work was pending for the Upgrading of the CEB-UoM Solar Map Platform due to longer time taken in reprogramming the system and shipping (as of Jan 2024).</p> <p>The capacity building of CEB staff on System Dynamics Modelling (SDM) using the VENSIM tool has not been undertaken due to unsuccessful bidding on several attempts.</p> <p>However, the objective of the project has been achieved.</p>	
<p>Outcome 1: National Capability strengthened to identify, prioritize and develop mitigation actions to meet NDC targets.</p>	<p>Mitigation Prioritisation Framework developed</p>	<p>0</p>	<p>1</p>	<p>1</p>	<p>100%</p>	<p>Project prepared a revised NDC capturing the prioritized mitigation actions for all sectors. This work was based on the following outputs:</p> <ul style="list-style-type: none"> (i) A Guideline for Identifying and Prioritising Mitigation Actions has been endorsed at the 7th Meeting of the Project Steering Committee. (ii) A Multi Criteria Analysis (MCA) was performed to shortlist the proposed actions for sectors that have not yet prioritized mitigation technologies. This is to distinguish with sectors that already have identified and prioritized mitigation actions (e.g., energy industries and solid waste management). A training on prioritization framework and tools was delivered on 7 July 2021. <p>Additionally, a framework has been developed for the <i>Institutional Arrangements for Climate Governance – Operational Guidelines for the implementation of the climate change mitigation provisions in the Climate Change Act 2020</i>. This framework was validated on 16 August 2023 and</p>	<p>S</p>

Project objective and Outcomes	Indicator	Baseline level	Mid-term target	End-of-project target	Progress as of current period (numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June 2024	Progress rating ⁴
						endorsed at the 8th Meeting of the Project Steering Committee.	
	Setting up of Web based MRV Registry to track NDC actions	0		1	100%	<p>The MauNDC Registry has been set up and is operational. It serves as the Web-based MRV Registry to track NDC actions. The design of the Registry was developed through Stakeholder Consultations.</p> <p>92 officers from different Ministries/ Parastatal Bodies were nominated as thematic owners and thematic users on the MauNDC Registry. Trainings were also provided.</p> <p>Additionally, a manual for the MauNDC Registry was developed to assist stakeholders in effectively using the platform.</p> <p>The Registry went live on 05 December 2022 and was launched on 23 November 2023.</p> <p>Data population was on-going at the time of the project closure.</p>	S
	A comprehensive Climate change mitigation action plan	0		1	100%	<p>The Climate Change Act 2020, which entered into force on 22 April 2021, requires development of a National Climate Change Mitigation Strategy and Action Plan for Mauritius and a Mitigation Strategy and Action Plan for Rodrigues, which have been developed as the main deliverables under the Project.</p> <p>The Baseline Analysis of Mitigation Actions and MRV Baseline Analysis have been endorsed at the 5th meeting of the PSC. A Stakeholder Engagement Plan was endorsed at the 7th meeting of the Project Steering Committee.</p>	S

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Project objective and Outcomes	Indicator	Baseline level	Mid-term target	End-of-project target	Progress as of current period (numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June 2024	Progress rating ⁴
						<p>The National Climate Change Mitigation Strategy and Action Plan for Mauritius was endorsed at the 7th Project Steering Committee and secured Government Agreement on 30 June 2023.</p> <p>The National Climate Change Mitigation Strategy and Action Plan - Rodrigues Supplement was validated on 30 August 2023 and endorsed at the 8th Project Steering Committee. Government Agreement for this supplement is still being sought.</p>	
<p>Outcome 2: Implementation actions on RE target to meet the NDC goal initiated</p>	<p>Pilot NAMA registered on UNFCCC website (Proposed: # of Renewable Energy action(s) initiated)</p>	0	0	1	98%	<p>The project design was re-oriented to support the Paris Agreement and the Country's NDC. Thus, the objective was re-oriented to align with the RE target included in the first NDC. Hence, development of a NAMA was not part of project, but the work to enable preparation of NAMA was still included to enable scale up of RE.</p> <p>The activities to be implemented by the Utility Regulatory Authority (URA) and the Central Electricity Board (CEB) were to creating the enabling environment for facilitating investments in RE.</p> <p>Project proposals were developed based on identified mitigation actions in the National Climate Change Mitigation Strategy and Action Plan for Mauritius developed under Outcome 1. Following discussions with UNEP, the scope of the Project Proposals was extended to Electric Vehicles and Energy Efficiency. These project proposals formed the basis of funding and were submitted to the MAF.</p> <p>In addition to the above, the RE scale up has been facilitated by project through the following outputs:</p>	S

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Project objective and Outcomes	Indicator	Baseline level	Mid-term target	End-of-project target	Progress as of current period (numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June 2024	Progress rating ⁴
						<p>i) CEB study on Cost of Electricity Services (Supply) has been completed. The findings of the study were aligned with the activity being implemented by URA on Tariff Regulations and Renewable Energy Metering Regulations. These would have formed the elements of NAMA.</p> <p>ii) The CEB has also undertaken analysis of requirements for establishing Advanced Metering Infrastructure to enable greater RE integration. This again would be element of the NAMA.</p> <p>iii) Drafting of the Regulation on Electricity Tariff.</p> <p>iv) Drafting of the Net Metering Rules and Regulation.</p> <p>v) Development of Online Dashboard for Monitoring of Key Performance Indicator.</p> <p>vi) Development of an Excel Based Tool for Tariff Calculations.</p> <p>In addition to support the RE uptake following new activities have been completed:</p> <p>i) Enhance and extend awareness on renewable energy, energy efficiency and electric mobility in the Republic of Mauritius.</p> <p>ii) Sectoral Training on Climate Finance covering at least 3 funding organisations. The training was dispensed by four (4) experts from UNEP-CCC.</p> <p>At the time of the project closure, 25% of work was pending for the Upgrading of the CEB-UoM Solar Map Platform due to longer time taken in reprogramming the system and shipping. This has been completed to a larger extent with only the trainings pending (as detailed in section 3.2)</p>	

Project objective and Outcomes	Indicator	Baseline level	Mid-term target	End-of-project target	Progress as of current period (numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June 2024	Progress rating ⁴
Outcome 3: Enhanced Transparency Framework (ETF) to track and transparently report NDC Implementation for RE actions	# of MRV reports for NAMA uploaded on the NAMA National Registry (Proposed: MRV registry established and operational)	0	0	2	100%	<p>The MauNDC Registry Platform forms the basis for MRV of NDC actions. The platform has been set up (went live on 05 December 2022) and is operational (launched on 23 November 2023).</p> <p>This is in accordance with the requirements for submission of data as per Section 17 of the Climate Change Act 2020, with a view of fulfilling the Country's obligations under the UNFCCC. 92 officers from different Ministries/ Parastatal Bodies were nominated as thematic owners and thematic users on the MauNDC Registry. Trainings were also provided. Additionally, a manual was developed to assist stakeholders in effectively using the platform.</p> <p>A customized questionnaire was also prepared to undertake a baseline assessment across the key mitigation sectors, such as Energy Industries, Agriculture, Forestry and Other Land Use, Transport, Waste, and Industrial Processes and Product Use, with a view of developing the ETF model. The questionnaire collected the following data on i) institutional profile; ii) mitigation data collection and generation; iii) implementation of mitigation actions; iv) identification of support needed; v) reporting of support received.</p> <p>The MRV baseline analysis report has been endorsed by the 5th Project Steering Committee, along with templates entailing parameters and indicators developed based on the collected information.</p>	S
	(New proposed: % of persons are capable of collecting and	0		2 (proposed ##)	100%	Training on understanding MRV/ETF systems was undertaken in July 2021 as first step to building capacity.	HS

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Project objective and Outcomes	Indicator	Baseline level	Mid-term target	End-of-project target	Progress as of current period (numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June 2024	Progress rating ⁴
	providing data for NDC registry)					<p>The MRV of NDC actions will be through the MauNDC Registry. Training of Trainers on the MauNDC Registry were held from 28 November to 01 December 2022. Refresher trainings were conducted periodically.</p> <p>More than 60 stakeholders were trained on the usage of the MauNDC Registry, either through the Training of Trainer or sectoral meetings and refresher trainings undertaken under the project.</p> <p>It is estimated that at least 15 people (about 21%) can interact and provide data on the registry.</p>	

3.2 Rating of progress implementation towards delivery of outputs (Implementation Progress)

Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
COMPONENT 1: National Capability strengthened to identify, prioritize and develop mitigation actions to meet NDC targets.					
Output 1.1: Strengthen institutional arrangements to coordinate development and implementation of NDC through development of process and procedures as well as clear institutional responsibilities	November 2022	97	100	Completed. All deliverables under this Output have been endorsed by the Project Steering Committee and process for Government endorsement has been initiated.	S
Activity 1.1.1 Review the institutional arrangements for the development and implementation of mitigation actions and identify gaps	December 2020	100	100	The MRV Baseline Analysis has been endorsed at the 5 th Meeting of the Project Steering Committee, held on 24 September 2021. This deliverable set out the baseline for the Institutional Arrangements to be proposed under the Project, in alignment with the Climate Change Act (2020). The results of this deliverable would be used to devise the deliverable under activity 1.5.2, below. The <i>Institutional Arrangements for Climate Governance - Operational Guidelines for the implementation of the climate change mitigation provisions in the Climate Change Act 2020</i> was validated on 16 August 2023 and endorsed by at the 8 th Meeting of the Project Steering Committee, held on 11 September 2023. This activity has been completed.	S

⁵ Outputs and activities (or deliverables) as described in the project logframe (and workplan) or in any updated project revision.

⁶ The completion dates should be as per latest workplan (latest project revision).

⁷ As much as possible, describe in terms of immediate gains to target groups, e.g. access to project deliverables, participation in receiving services; gains in knowledge, etc.

⁸ To be provided by the UNEP Task Manager

Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
<p>Activity 1.1.2: Develop process, procedure and guidelines for mitigation actions identifications, development and implementation for NDC</p>	<p>October 2022</p>	<p>98</p>	<p>100</p>	<p>In accordance with the revised work plan, this activity is covered under the following deliverables:</p> <ul style="list-style-type: none"> (i) Baseline Analysis of Mitigation Actions; (ii) Stakeholder Engagement Plan; (iii) Institutional Arrangements for Climate Governance – Operational Guidelines for the implementation of the climate change mitigation provisions in the Climate Change Act 2020; and (iv) Guidelines for Identifying and Prioritising Mitigation Actions. <p>The Baseline Analysis of Mitigation Actions has been endorsed by the members of the Project Steering Committee at its 5th meeting held on 24 September 2021. This deliverable sets out the baseline for the existence sectoral mitigation strategies, policies and action plans. The results would be used to formulate the deliverables (ii) to (iv) mentioned above.</p> <p>The Stakeholder Engagement Plan has been endorsed by the members of the Project Steering Committee on its 7th meeting held on 17 January 2023. The deliverable is a tool to engage stakeholders for coordinated action.</p> <p>The Institutional Arrangements for Climate Governance – Operational Guidelines for the Implementation of the Climate Change Mitigation Provisions in the Climate Change Act 2020 has been validated on 16 August 2023 and endorsed by at the 8th Meeting of the Project Steering</p>	<p>S</p>

Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>Committee, held on 11 September 2023. The deliverable is based on the MRV Baseline Analysis developed under activity 1.1.1, and proposes an Institutional Arrangements for Climate Governance w.r.t. climate change mitigation. The deliverable also details the roles and responsibilities of sectoral stakeholders in accordance with the Climate Change Act 2020.</p> <p>The Guidelines for Identifying and Prioritising Mitigation Actions has been endorsed by the members of the Project Steering Committee at its 7th meeting held on 17 January 2023. The deliverable is a tool developed for the identification and prioritising mitigation actions. This tool was used to identify and prioritise mitigation for the development of the National Climate Change Mitigation Strategy and Action Plan developed under Outputs 1.2, 1.3, 1.4 and 1.6.</p> <p>The Institutional Arrangements for Climate Governance, the Stakeholders Engagement Plan, and the Guidelines for Identifying and Prioritising Mitigation Actions are being edited as a manual entitled Navigating Climate Action</p> <p>This activity has been completed.</p>	
<p>Activity 1.1.3: Initiate process of government endorsement and establishment of the proposed climate governance structure, procedures and guidelines</p>	<p>November 2022</p>	<p>100</p>	<p>100</p>	<p>All deliverables developed under the project underwent a technical validation by relevant stakeholders and endorsement by the Project Steering Committee.</p> <p>Additionally, development progress of deliverables under the project are being monitored by the</p>	<p>S</p>

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>Climate Change Committee, which was set up under Section 11 of the Climate Change Act (2020).</p> <p>The Climate Change Act was proclaimed in November 2020 and entered into force in April 2021. The Act provides for the setting up of an Inter-Ministerial Council on Climate Change chaired by the Prime Minister. Its main role will be to set national objectives, goals and targets in line with low emission pathways and climate resilience.</p> <p>A Department of Climate Change (DCC) within the Ministry of Environment is established and is responsible to, inter alia, develop and coordinate policies, strategies, programme and action plans to address the effect of climate change.</p> <p>A Climate Change Committee (CCC) is set up to coordinate the implementation of activities related to greenhouse gas inventories, greenhouse gas emission reductions, climate change vulnerability assessments and adaptation, strategic planning and national policies relating to climate change, amongst others.</p> <p>Government endorsement for the deliverable on the climate governance structure has already been initiated and the final endorsement of the deliverable are being awaited.</p> <p>This activity has been completed.</p>	
Output 1.2: Develop NDC Implementation strategy and identify potential sources of funds	November 2022	74	80	All deliverables under this Output, except for the Capacity Building on System Dynamics Modelling,	MS

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>have been completed and endorsed by the Project Steering Committee.</p> <p>Government endorsement has been obtained for the National Climate Change Mitigation Strategy and Action Plan for Mauritius and the process has been initiated for the Rodrigues Supplement.</p>	
<p>Activity 1.2.1: Review NDC, NDC action plan, and other relevant climate change and sectoral strategies and plans with focus on mitigation actions to develop a revised NDC action plan including specific implementation instruments and emission scenario</p>	October 2022	98	100	<p>The National Climate Change Mitigation Strategy and Action Plan for Mauritius was validated on 04 October 2022 and approved at the 7th Meeting of the Project Steering Committee held on 17 January 2023. Its implementation secured Government Agreement on 30 June 2023.</p> <p>The National Climate Change Mitigation Strategy and Action Plan - Rodrigues Supplement was validated on 30 August 2023 and endorsed at the 8th Project Steering Committee, held on 11 September 2023. Government Agreement is still being sought.</p> <p>This activity has been completed.</p>	S
<p>Activity 1.2.2: Development of implementation strategy for identified mitigation actions to meet the NDC goals</p>	October 2022	98	100	<p>Mitigation actions have been identified in all sectors and a bottom-up approach was used to quantify mitigation actions in most sectors as opposed to some actions/policies that are economy-wide targets (e.g. energy efficiency).</p> <p>Sectoral scenarios have been developed and included in the National Climate Change Mitigation Strategy and Action Plan for Mauritius which was validated on the 4th October 2022. The deliverable</p>	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>was approved at the 7th Meeting of the Project Steering Committee, on 17th January 2023. Its implementation secured Government Agreement by Cabinet on 30 June 2023.</p> <p>Scenarios for the Island of Rodrigues have been developed and formed the basis for the development of the Mitigation Strategy and Action Plan for Rodrigues. The deliverable was validated on 30 August 2023 and endorsed at the 8th Project Steering Committee, held on 11 September 2023. Government Agreement is still being sought.</p> <p>This activity has been completed.</p>	
<p>Activity 1.2.3: Enable development of sectoral mitigation scenarios and calculation of emission reduction using Greenhouse Gas Abatement Cost Model (GACMO)</p>	<p>November 2022</p>	<p>100</p>	<p>100</p>	<p>The support of an expert from UNEP Copenhagen Climate Centre was secured for dispensing this capacity building.</p> <p>Consultations with the resource person has been undertaken to customise the Greenhouse Gas Abatement Cost Model (GACMO) to fit the sectors of the Republic of Mauritius, in accordance with the National Climate Change Mitigation Strategy and Action Plan. The GACMO tool was used to develop the Marginal Abatement Revenue Curve (MARC) of section 11 of the National Climate Change Mitigation Strategy and Action Plan for Mauritius.</p> <p>The capacity building was held from 13 to 15 March 2023 by an expert from UNEP CCC.</p> <p>This activity has been completed.</p>	<p>S</p>

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
<p>Activity 1.2.4: Enable development of mitigation scenarios and calculation of emission reduction for the Power Generation Sub-sector using System Dynamics Modelling.</p>	November 2022	10	15	<p>It is to be noted that the activity entailed advanced training of stakeholders in the power generation sub-sector on using the tool System Dynamics modelling to further develop/review mitigation scenarios and calculation of emissions avoided for this sub-sector.</p> <p>3 licenses were procured under the project to enable the modelling of mitigation scenarios for the energy sector which were used in the development of the National Climate Change Mitigation Strategy and Action Plan for Mauritius. A workshop to validate the model was held and basic training was provided.</p> <p>Intermediate/Advanced training was required to review and update the model. After an unsuccessful bidding on several attempts, a last call was issued in December 2023. The sole bid received quoted more than 60% of earmark fund.</p> <p>CEB planned to seek the services/support of the expert who developed the SDM for Rodrigues, under the Rodrigues Ile Verte project.</p>	U
<p>Output 1.3: A list of NDC actions formulated and included in revised NDC action plan</p>	October 2022	98	100	<p>Completed.</p> <p>All deliverables under this Output have been endorsed by the Project Steering Committee.</p> <p>Government endorsement has been obtained for the National Climate Change Mitigation Strategy and Action Plan for Mauritius and the process has been initiated for the Rodrigues Supplement.</p>	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
Activity 1.3.1: Identification and analysis of potential NDC mitigation actions	October 2022	98	100	This activity is covered under the deliverables National Climate Change Mitigation Strategy and Action Plan for Mauritius and its Rodrigues Supplement. This activity has been completed.	S
Activity 1.3.2: Analysis of costs of implementation of potential mitigation opportunities and development of MAC	October 2022	98	100	This activity is covered under the deliverables National Climate Change Mitigation Strategy and Action Plan for Mauritius and its Rodrigues Supplement. This activity has been completed.	S
Output 1.4: Partners for NDC implementation support identified	October 2022	98	100	Completed.	S
Activity 1.4.1: Assessment of potential international support providers for prioritized NDC mitigation actions	October 2022	98	100	This activity is covered under the deliverables National Climate Change Mitigation Strategy and Action Plan for Mauritius and the Rodrigues Supplement. This activity has been completed.	S
Output 1.5: A national registry to track NDC mitigation actions established	October 2022	100	100	Completed. The MauNDC Registry has been established and launched on 23 November 2023.	S
Activity 1.5.1: Review existing MRV systems/ climate change platforms	September 2021	100	100	The MRV Baseline Analysis was endorsed by the Project Steering Committee at its 5th Meeting held on 24 September 2021. This activity has been completed.	HS

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Outputs/Activities ⁵	Expected completion date ⁶	Implementa tion status as of 30 June 2023 (%) (Towards overall project target)	Implementa tion status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
Activity 1.5.2: Design elements of information to report on national NDC implementation registry	October 2022	100	100	<p>Input data fields for the MauNDC Registry were proposed by PwC in consultation with UNEP CCC and aligned with reporting requirements for the Enhanced Transparency Framework of the Paris Agreement.</p> <p>The input data fields have been validated by stakeholders and the MauNDC Registry went live on 5th December 2022. Specific data on mitigation actions, adaptation actions, historical GHG emissions have been provided by stakeholders during training. Indicators to track NDC implementation and sectoral actions are also covered under the deliverable <i>Institutional Arrangements for Climate Governance – Operational Guidelines for The Implementation of the Climate Change Mitigation Provisions in The Climate Change Act 2020</i>.</p> <p>This activity has been completed.</p>	S
Activity 1.5.3: Design and operationalize web-based system (NDC Registry)	October 2022	100	100	<p>The MauNDC Registry went live on 5th December 2022 and were launched on 23 November 2023.</p> <p>The guidelines (inclusive of the maintenance guidelines) for the MauNDC Registry were submitted on 7th December 2022.</p> <p>Data population on the Registry is ongoing and around 30 sectoral meetings inclusive of refresher trainings were held during the period March-November 2023.</p>	S

Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>A user manual for the MauNDC Registry was developed to assist stakeholders in effectively using the platform.</p> <p>This activity has been completed.</p>	
Output 1.6: Approaches & methodologies for classifying and prioritizing NDC mitigation actions developed and implemented	October 2022	99	100	Completed	S
Activity 1.6.1: Development of NDC mitigation prioritization framework for NDC mitigation actions	October 2022	100	100	<p>This activity is covered under the deliverable Guidelines for Identifying and Prioritising Mitigation Actions (GIPMA) and the excel tool developed. The excel tool, along with the above-mentioned guidelines were used to identify and prioritise the mitigation actions in the National Climate Change Mitigation Strategy and Action Plan.</p> <p>The GIPMA was endorsed at the 7th Meeting of the Project Steering Committee held on 17 January 2023.</p> <p>This activity has been completed.</p>	S
Activity 1.6.2: Develop prioritized list of NDC mitigation actions	October 2022	98	100	<p>This activity is covered under the deliverables National Climate Change Mitigation Strategy and Action Plan for Mauritius and the Rodrigues Supplement.</p> <p>This activity has been completed.</p>	S
Output 1.7: Gender mainstreamed into this project and capacity building activities	October 2022	98	100	Completed.	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
Activity 1.7.1: Conduct gender analysis and prepare gender mainstreaming report	October 2022	98	100	<p>The Gender Analysis and Action Plan (GAAP) was validated on 16 August 2023 in Mauritius and 30 August 2023 in Rodrigues Island.</p> <p>The GAAP was approved at the 8th meeting of the Project Steering Committee held on 11 September 2023.</p> <p>Government Agreement is still being sought.</p> <p>This activity has been completed.</p>	S
COMPONENT 2: Initiate Implementation actions on renewable energy (RE) target to meet the NDC goals.					
Output 2.1: Regulatory, legal and policy framework developed to promote RE	July 2022	94	98	All the activities under this output have been completed.	S
Activity 2.1.1: Drafting of the Regulation on Electricity Tariff.	July 2022	100	100	<p>The final draft of the Renewable Energy and Tariff Regulations were delivered in December 2022.</p> <p>The activity has been completed.</p>	S
Activity 2.1.2: Drafting of the Net Metering Rules and Regulation.	July 2022	100	100	<p>The final draft of the Renewable Energy and Tariff Regulations were delivered in December 2022.</p> <p>The activity has been completed.</p>	S
Activity 2.1.3: Co-funding of cost of CEB's cost of electricity services (supply) and thereof to set the fair price (tariff & rates and charges) for each electricity services.	May 2022	100	100	<p>A Systems' Model for the mapping all customer categories/groups, as well as Expenditures (CAPEX and OPEX) for the CEB at different supply voltage levels for the multi-year regulatory period was developed on 29 September 2022.</p> <p>A user-friendly Cost Reflective Tariff Model was submitted on 20 May 2022.</p>	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>A detailed report on the Cost Reflective Tariff Model was submitted on 13 October 2021.</p> <p>A report on the impact assessment of the proposed cost-reflective tariff and rates and detailing the effects of a penalty/bonus regime on the price of services offered by CEB was submitted on 20 May 2022.</p> <p>A detailed report on the Comprehensive Cost of Supply and Electricity Services of the CEB was submitted on 29 September 2022. The certificate of completion was issued in January 2023.</p> <p>However, following tariff version in February 2023, it is to be noted that the CEB was requested by stakeholders to undertake an update of the model developed under this activity.</p> <p>Updating the CEB Cost of Electricity Services (Supply) and Pricing of the Services (COSS) was completed and training of key local officers (CEB, URA & MEPU) on COSS models was conducted.</p> <p>The assignment was completed in January 2024. The training was delivered in the second week of January 2024 and reports submitted on 26 January 2024.</p> <p>The activity has been completed.</p>	
Activity 2.1.4: Enhance and extend awareness on renewable energy, energy	June 2022	75	98	10 half-days' region-wise workshops for women associations were held for increasing uptakes of and rewarding effort and participation in renewable	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
efficiency and electric mobility in the Republic of Mauritius				<p>energy schemes, and for information dissemination, create awareness and raising interest to promote renewable energy.</p> <p>Energy savings campaign on national television and local radios, social networks were conducted.</p> <p>10 outreach activities on renewable energy in National Housing Development Co. Ltd (NHDC) Housing Estates were implemented - nearly 2000 families have received solar PV kits of 1.5 kW each Workshop on renewable energy with NGOs, Religious Bodies and Charitable Institutions were held in Rodrigues.</p> <p>2 workshops on renewable energy schemes, energy efficiency measures and electric mobility were held at the National Women Entrepreneur Council (NWECC) in Mauritius and Rodrigues for Regional Womens' Committee.</p> <ul style="list-style-type: none"> The workshop in Mauritius organised and hosted by CEB and the National Women Council was held on 11 Sep 2023. The workshop in Rodrigues organised and hosted by CEB and Rodrigues Regional Women's Committee was held on 07 Nov 2023 <p>All 7 solar PV kits (2 PV kits in Rodrigues and 5 in Mauritius) have been deployed. In line with the overarching objective which underlies the activity to promote renewable energy, a Practical Training for Women Entrepreneurs & Youth on solar PV kit was held on 24 Jul 2024. Likewise, a Practical Training on the solar PV will be held in Rodrigues on 26 Aug</p>	

Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				2024. Such awareness raising activities are intended on a recurrent basis.	
Output 2.2: Streamline electricity project approval process	July 2022	90	95	The completion of the output was delayed due to the extension on activity 2.1.3, which affected the completion of activity 2.2.1, and the lack of virtual infrastructure to cater for the uploading of indicators by licensees. It was proposed to host the system on cloud but could not be completed before the project closure.	S
Activity 2.2.1: Development of an Excel and web-based tool for Tariff calculations (including operational manual) and capacity building for URA to use and update the tariff calculation tool.	July 2022	90	100	<p>The excel calculation tool developed would be used by URA, the Regulator, for counter verification of the assumptions made by the Electricity Supplier, the CEB, for tariff calculation. The CEB would be using the outputs derived from activity 2.1.3 to submit its proposal on tariff to the URA.</p> <p>The data in question were submitted from CEB to test the system. The system is now technically operational. However, the input data requirement shall be revised for each official tariff application.</p> <p>The excel calculation tool has already been developed and training of staff was conducted in December 2023.</p> <p>The activity has been completed.</p>	S
Activity 2.2.2: Development of an online dashboard to monitor URA's KPIs (including operational manual) and capacity building for URA to use and update KPI dashboard.	July 2022	90	95	<p>The core of the online system has been completed (design and programming). The remaining work consist of hosting the system on cloud which was not part of the initial agreement.</p> <p>The system is at the same status, since the cloud hosting as at date is not implemented at the URA.</p>	MS

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				Without the cloud hosting the live testing and commissioning could not be completed.	
Output 2.3: RE grid integration and smart grid development strategy	June 2023	70	95	<p>The Addendum to the Memorandum of Agreement between the Ministry and CEB was signed on 19 July 2023 for implementation of Activity 2.3.2.</p> <p>The completion of the output has been delayed due to activity 2.3.2, mainly due to longer lead time for receiving refurbished equipment from supplier in Italy.</p>	MS
Activity 2.3.1: Advanced metering infrastructure for smart meters.	May 2022	100	100	<p>Assignment 1, Deliverables included (i) the Review of Implementation of Advanced Metering Infrastructure; (ii) Situational and Gap Analysis Report; and (iii) Technical Study for the implementation of an AMI and its interoperability with other systems was completed on 12 July 2022. The study was proved to be conclusive, and recommendations were made to support the implementation of a fully functional AMI solution in Mauritius.</p> <p>Assignment 2, including the tender document for the implementation of a fully functional AMI; and review and update the specification of smart meters and associated equipment has started and a consultant was recruited on 16 November 2022. The assignment has been completed in May 2023.</p> <p>The activity has been completed.</p>	S
Activity 2.3.2: Upgrading of the Central Electricity Board - University of Mauritius Solar Map Platform	June 2023 November 2023	20	90	The Plan of Works for this activity was submitted by the CEB and a contract was awarded to the University of Mauritius. The Addendum to the	MS

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>Memorandum of Agreement was signed on 19 July 2023.</p> <p>Refurbishment and deployment of key equipment: nine data loggers and batteries have been received and are being tested. Expected to be completed by 01 April 2024.</p> <p>11 Data loggers were sent to NESA Italy on 03 November 2023 for refurbishment. Six (6) of them could be repaired. Three (3) new were purchased from the same supplier given the budget constraints. The nine (9) loggers were received in March 2024 and have all been installed in Mauritius and Rodrigues since March 2024. The project is almost complete.</p> <p>Only two (2) items are pending - Training and Sensitisation Workshop. Training of CEB staff is expected to be conducted on Tuesday 03 September 2024 and a workshop will be conducted on a date to be mutually agreed upon.</p> <p>Deployment delay was due to longer lead time for receiving refurbished equipment from supplier in Italy (shipping related problems).</p> <p>Upgrading of website (Mauritius Solar Map at: https://solarapp-121ea.web.app/map): the website has been activated and the first version was circulated in December 2023. The website is being updated with satellite data, statistics and education material.</p>	

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
<p>Output 2.4: Financial project proposals developed for the RE sector.</p>	<p>September 2023</p>	<p>91</p>	<p>100</p>	<p>Completed.</p> <p>3 project concept/outlines on Renewable Energy, Energy Efficiency and Transport (E-buses) were developed and total funding being sought amount to approx. USD 74.53M.</p> <p>Three (3) project proposals were submitted to the Mitigation Action Facility (MAF) by 31 July 2023, namely:</p> <ol style="list-style-type: none"> 1. Greening the transport sector in Mauritius through the introduction of electric buses; 2. Mauritius Renewable Energy Revolving Fund; and 3. De-risking Facility for Energy Performance Contracting in Mauritius. <p>Two (2) proposals, 2 and 3 were retained for the first round completed in October 2023 by MAF for further development into detailed project outlines. The Outlines were submitted to the MAF on 21 and 30 December 2023, respectively.</p> <p><i>Project 3</i> -Derisking Facility for Energy Performance Contracting in Mauritius. <i>was</i> shortlisted for the second round, <i>for an</i> onsite assessment which was conducted by MAF in March 2024. After the assessment, out of 300 entries received by MAF, Mauritius was among the six (6) countries to have been selected. The project has been kickstarted in July 2024, for the preparation of the prodoc (another 15 months duration), prior to execution. GIZ is the implementing agency. The</p>	<p style="text-align: center;">S</p>

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				project implementation will start as from 2026 and will last for 5 years.	
Activity 2.4.1: Prioritise NDC mitigation actions for the RE sector	September 2023	100	100	<p>The National Climate Change Mitigation Strategy and Action Plan proposes a prioritization structure, but the selection of NDC actions for proposal development consultation was conducted 10 February 2023.</p> <p>A field mission was held from 24 to 28 April 2023 to consult stakeholders on prioritisation of mitigation actions and come up with project ideas on renewable energy.</p> <p>This activity has been completed.</p>	S
Activity 2.4.2: Establish baseline, BAU and emission reduction scenarios for the prioritized NDC actions.	November 2022	85	100	<p>Baseline, BAU and emission reduction scenarios for all mitigation actions are provided in the National Climate Change Mitigation Strategy and Action Plan.</p> <p>Additionally, three project proposals on renewable energy, Electric Vehicles and Energy Efficiency have been developed by experts from UNEP CCC, namely:</p> <ol style="list-style-type: none"> 1) Greening the transport sector in Mauritius through the introduction of electric buses; 2) Mauritius Renewable Energy Revolving Fund; and 3) De-risking Facility for Energy Performance Contracting in Mauritius. <p>Intensive virtual stakeholder consultations were held with relevant stakeholders to calculate the emission reductions related to the above-mentioned</p>	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>measures and these have been included in the project concepts developed.</p> <p>Three (3) project proposals were submitted to the Mitigation Action Facility (MAF) by 31 July 2023</p> <p>Two (2) project proposals, 2 and 3 were retained for the first round completed in October 2023 by MAF for further development into detailed project outlines. The Outlines were submitted to the MAF on 21 and 30 December 2023, respectively.</p> <p>Project 3 -Derisking Facility for Energy Performance Contracting in Mauritius. was shortlisted for the second round, for an onsite assessment which was conducted by MAF in March 2024. After the assessment, out of 300 entries received by MAF, Mauritius was among the six (6) countries to have been selected. The project has been kickstarted in July 2024, for the preparation of the prodoc (another 15 months duration), prior to execution. GIZ is the implementing agency. The project implementation will start as from 2026 and will last for 5 years.</p> <p>This activity has been completed.</p>	
Activity 2.4.3: Develop business cases and appropriate financing mechanisms for these NDC actions.	January 2023	90	100	An analysis of mitigation measures in terms of investment maturity for all mitigation measures as well as the development of an abatement revenue curve (MARC) for measures for the energy industries are provided in the National Climate Change Mitigation Strategy and Action Plan.	S

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				<p>Furthermore, business cases and financing mechanisms for the three-project proposal mentioned at activity 2.4.2, have been developed with the collaboration of UNEP CCC.</p> <p>This activity has been completed.</p>	
Activity 2.4.4: Identify potential sources of national and international finance for RE.	March 2023	80	100	<p>An initial analysis of potential sources of international finance is provided in the National Climate Change Mitigation Strategy and Action Plan.</p> <p>The identification of other potential sources of national and international finance was undertaken during the UNEP CCC mission held from 24 to 28 April 2023.</p> <p>Additionally, 3 project concept/outlines on Renewable Energy, Energy Efficiency and Transport (E-buses) were developed and total funding being sought amounted to approx. USD 74.53M. Further details on these proposals are detailed in 2.4.5.</p> <p>This activity has been completed.</p>	S
Activity 2.4.5: Develop project proposal documents to present to potential financiers.	April 2023	90	100	<p>Three project concept/outlines on Renewable Energy, Energy Efficiency and Transport (E-buses) were developed by experts from UNEP-CCC following intensive physical/virtual consultations with concerned stakeholders, namely:</p> <p>a. Mauritius Renewable Energy Revolving Fund (EUR 25M);</p>	S

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				<p>b. De-risking Facility for Energy Performance Contracting in Mauritius (EUR 17M); and c. Greening the transport sector in Mauritius through the introduction of electric buses supported by Solar PV (USD 28.97M). Total funding being sought amount to approx. USD 74.53M.</p> <p>The project proposals were submitted to the Mitigation Action facility (MAF) in July 2023.</p> <p>Two (2) project proposals, namely (a.) and (b.) above, were retained by the MAF for the Outline phase. The two (2) Outlines were submitted to the MAF in December 2023.</p> <p>Outline (b.) was short-listed by the MAF and an on-site assessment was conducted in mid-March 2024.</p> <p>Project b-Derisking Facility for Energy Performance Contracting in Mauritius. was shortlisted for the second round, for an onsite assessment which was conducted by MAF in March 2024. After the assessment, out of 300 entries received by MAF, Mauritius was among the six (6) countries to have been selected. The project has been kickstarted in July 2024, for the preparation of the prodoc (another 15 months duration), prior to execution. GIZ is the implementing agency. The project implementation will start as from 2026 and will last for 5 years.</p> <p>The project proposal (c.) was further developed into a GCF Concept Note for subsequent submission to the GCF Council.</p>	

Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				This activity has been completed.	
Activity 2.4.6: Sectoral Training on Climate Finance covering at least 3 funding organisations.	October 2022	100	100	<p>The Capacity Building on Climate Finance for the Renewable Energy was dispensed from 25 to 27 April 2023, whereby the following project ideas were developed:</p> <ol style="list-style-type: none"> 1. Energy efficiency improvements in Industry through the development of a framework for Energy Performance Contracting; 2. Electrification of Public Transport through the introduction of e-buses and charging infrastructure; 3. Utility Scale Floating Solar PV on Mauritius freshwater reservoirs; and 4. Agri-voltaics along the Metro line for own consumption and feed into the grid, while promoting food security. <p>The Capacity Building included climate finance from the Green Climate Fund, Global Environment Facility and the Mitigation Action Facility.</p> <p>The above project ideas were used to develop the Project concepts, mentioned at activity 2.4.2 above, for submission to the Mitigation Action Facility.</p> <p>This activity has been completed.</p>	HS
COMPONENT 3: Enhanced Transparency Framework (ETF) to track and transparently report NDC Implementation for RE actions.					
Output 3.1: Institutional framework and organizational linkages for ETF, including link to the national registry mechanism established	October 2022	99	100	<p>Completed.</p> <p>The Institutional Arrangements for Climate Governance – Operational Guidelines for the</p>	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>Implementation of the Climate Change Mitigation Provisions in the Climate Change Act 2020 was validated on 16 August 2023 and endorsed at the 8th Meeting of the Project Steering Committee, held on 11 September 2023. Government Agreement is being sought.</p> <p>The MauNDC Registry was launched on 23 November 2024 and would be the ETF platform for Mauritius.</p>	
Activity 3.1.1: Analyse and develop options for Enhanced Transparency Framework	October 2022	100	100	<p>The MRV Baseline Analysis has been endorsed by the 5th PSC, held on 24 September 2021. The options developed for the Enhanced Transparency Framework have been included in the deliverable Institutional Arrangements for Climate Governance – Operational Guidelines for the Implementation of the Climate Change Mitigation Provisions in the Climate Change Act 2020.</p> <p>Additionally, the MauNDC Registry was launched on 23 November 2023 and would be the ETF platform for Mauritius.</p> <p>This activity has been completed.</p>	S
Activity 3.1.2: Stakeholder consultations and finalization of Enhanced Transparency Framework	October 2022	99	100	<p>The MauNDC Registry which would be the ETF platform for Mauritius, was launched on 23 November 2024. Stakeholders Consultations were undertaken for the development of the platform.</p> <p>The deliverable Institutional Arrangements for Climate Governance – Operational Guidelines for the Implementation of the Climate Change</p>	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>Mitigation Provisions in the Climate Change Act 2020 also details the ETF parameters and institutional responsibilities. The report was circulated to Stakeholders for their views and comments. It was validated on 16 August 2023 and endorsed at the 8th Meeting of the Project Steering Committee, held on 11 September 2023.</p> <p>Three (3) separate deliverables/ documents (i) Institutional arrangements for Climate Governance; (ii) Stakeholders Engagement Plan, (iii) Guidelines for Identifying and prioritizing Mitigation Actions were produced under the NAMA project in line with the Terms of Reference of the Consultancy firm. In view that the reports had the same objectives and were interlinked making cross references to each other, it had been agreed with UNEP-DTU Partnership (the now UNEP Copenhagen Climate Centre), for the reports to be lumped together in one document entitled: Navigating Climate Action-A Comprehensive Guide to Institutional Arrangements for Climate Governance, Stakeholders Engagement and identification of Mitigation Actions. As per government procedures, the new document has been circulated to stakeholders on 12 July 2024 for their “no objection” which is still awaited. Once no objection from all stakeholders is received, the report will be forwarded to seek government agreement</p> <p>Government Agreement is still being sought.</p> <p>This activity has been completed.</p>	

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Output 3.2: MRV/ETF system, including monitoring plan covering key parameters for key sectors, designed & implemented	October 2022	99	100	Completed.	S
Activity 3.2.1: Design and implement monitoring plan for key Sectors	October 2022	99	100	<p>This activity is covered under the deliverable Institutional Arrangements for Climate Governance – Operational Guidelines for the Implementation of the Climate Change Mitigation Provisions in the Climate Change Act 2020. It was validated on 16 August 2023 and endorsed at the 8th Meeting of the Project Steering Committee, held on 11 September 2023.</p> <p>This activity has been completed.</p>	S
Activity 3.2.2: Develop reporting and verification requirements for key Sectors	October 2022	99	100	<p>This activity is covered under the deliverable Institutional Arrangements for Climate Governance – Operational Guidelines for the Implementation of the Climate Change Mitigation Provisions in the Climate Change Act 2020. It was validated on 16 August 2023 and endorsed at the 8th Meeting of the Project Steering Committee, held on 11 September 2023.</p> <p>This activity has been completed.</p>	S
Activity 3.2.3: Conduct trainings for MRV/ETF for key Sectors	July 2021	100	100	<p>Capacity Building was conducted in August 2020.</p> <p>A virtual refresher call with stakeholders w.r.t. the MauNDC Registry, was organised on 22 November 2022. A Training of Trainers was held from 28th November to 1st December 2022. There was a total of 59 participants, inclusive of 18 women, spanned over 4 days. A 2-day capacity building was also organized on 31 August and 01 September</p>	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>2023 in Rodrigues with around 20 stakeholders. A manual for the MauNDC Registry has been developed to assist stakeholders in effectively using the platform.</p> <p>Data population on the Registry is ongoing and around 30 sectoral meetings inclusive of refresher trainings were held during the period March-November 2023. The platform was launched on 23 November 2023.</p> <p>This activity has been completed.</p>	
Output 3.3: Local technical professionals to conduct MRV/ETF enabled	July 2021	100	100	All trainings under this output have been completed.	S
Activity 3.3.1: Design and conduct training workshops for awareness raising on domestic MRV/ETF system	July 2021	100	100	<p>Capacity Building was conducted in April 2019 and August 2020.</p> <p>A virtual refresher call with stakeholders w.r.t. the MauNDC Registry, was organised on 22 November 2022. A Training of Trainers was held from 28th November to 1st December 2022. There was a total of 59 participants, inclusive of 18 women, spanned over 4 days. A 2-day capacity building was also organized on 31 August and 01 September 2023 in Rodrigues with around 20 stakeholders. A manual for the MauNDC Registry has been developed to assist stakeholders in effectively using the platform.</p> <p>Data population on the Registry is ongoing and around 30 sectoral meetings inclusive of refresher trainings were held during the period March-</p>	S

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Outputs/Activities ⁵	Expected completion date ⁶	Implementation status as of 30 June 2023 (%) (Towards overall project target)	Implementation status as of 31 January 2024 (%) (Towards overall project target)	Progress rating justification ⁷ , description of challenges faced and explanations for any delay	Progress rating ⁸
				<p>November 2023. The platform was launched on 23 November 2023.</p> <p>This activity has been completed.</p>	
Output 3.4: MRV/ETF technical committee, constituted	July 2022	100	100	All activities under this output has been completed.	S
Activity 3.4.1: Design and conduct trainings for developing and implementing MRV/ETF for NDC mitigation actions	July 2022	100	100	<p>A virtual refresher call with stakeholders w.r.t. the MauNDC Registry, was organised on 22 November 2022. A Training of Trainers was held from 28th November to 1st December 2022. There was a total of 59 participants, inclusive of 18 women, spanned over 4 days. A 2-day capacity building was also organized on 31 August and 01 September 2023 in Rodrigues with around 20 stakeholders. A manual for the MauNDC Registry has been developed to assist stakeholders in effectively using the platform.</p> <p>Data population on the Registry is ongoing and around 30 sectoral meetings inclusive of refresher trainings were held during the period March-November 2023. The platform was launched on 23 November 2023.</p> <p>Role and responsibility of Institutions are covered under the deliverable Institutional Arrangements for Climate Governance – Operational Guidelines for the Implementation of the Climate Change Mitigation Provisions in the Climate Change Act 2020. It was validated on 16 August 2023 and</p>	S

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				endorsed at the 8 th Meeting of the Project Steering Committee, held on 11 September 2023.	

4. Risk Rating

4.1 Table A. Project management Risk

Please refer to the **Risk Help Sheet** for more details on rating.

Risk Factor	EA's Rating	TM's Rating
1. Management structure – Roles and responsibilities	L	L
2. Governance structure – Oversight	L	L
3. Implementation schedule	L	L
4. Budget	L	L
5. Financial Management	L	L
6. Reporting	L	L
7. Capacity to deliver	L	L

If any of the risk factors is rated a Moderate or higher, please include it in table B below.

4.2 Table B. Risk-Log

Insert ALL the risks identified either at CEO endorsement (inc. safeguards screening), previous/current PIRs, and MTRs. Use the last line to propose a suggested consolidated rating.

Risk	Risk affecting:	Risk Rating									Variation respect to last rating	
	Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	MTR	PIR 5	PIR 6	PIR 7 (this PIR)	Δ	Justification
Risks identified at CEO Endorsement												
Continued strong political support	All Outcomes				L	L		L	L	L	=	Low emission pathway is high on Government Agenda as demonstrated by some of its commitments towards cleaner energy, as detailed below: In the 2022/2023 budget, Government has announced renewed support to achieve the target of 60% renewable sources by 2030, through the implementation of a Green Transformational Package to increase the share of electricity supply from local renewable sources including hybrid renewable energy facilities; battery energy storage system; production and supply of renewable energy by households and non-commercial entities; and introduction of a carbon

Risk	Risk affecting:	Risk Rating									Variation respect to last rating	
	Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	MTR	PIR 5	PIR 6	PIR 7 (this PIR)	Δ	Justification
												<p>neutral scheme by the Central Electricity Board for industrial sector.</p> <p>Similarly, in the 2023/2024 budget, Government has put in place a strategy to reduce our reliance on non-renewable sources of energy. The goal is to make of Mauritius a Carbon Neutral Economy. It has approved some 1,400 projects, representing 136 Megawatt of renewable energy and 7 percent of our country's electricity consumption. In this context, Government has introduced additional renewable energy schemes for hotels, commercial centres, shopping malls and the agricultural sector; extended the carbon neutral scheme for the ICT sector; and taken the commitment to achieve a fully green bus transport system by 2035.</p> <p>Political support is high, and the project is very aligned with the country's priority. The project will continue to monitor the support for RE.</p>
NDC Actions in RE sector (NAMAs) not accepted by target sectors	Output 1.2				M	L		L	L	L	=	<p>Government has adopted an ambitious NDC and RE target for 2030. Additionally, the National Climate Change Mitigation Strategy and Action Plan for Mauritius, developed under this project secured Government Approval for implementation on 30 June 2023. The deliverable is aligned with the NDC and RE target for 2030. Hence the likelihood of the risk is mitigated. The Ministry of Energy and Public Utility has developed a Roadmap for the RE sector to achieve the target of 60% RE in the electricity mix by 2030. The CEB has developed and is implementing various Schemes to promote/integrate RE in electricity production. The national grid has been strengthened to absorb 185MW of RE.</p>
Availability of investments and funding for NDC actions in RE sector (NAMAs)	Outputs 1.2 and 2.4				M	L		L	L	L	=	<p>There is strong political support for RE by the Government and the updated NDC has an ambitious goal of achieving a 40% emission reduction, which is which has been broken down to 60% RE penetration, among others. A number of RE measures were</p>

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Risk	Risk affecting:	Risk Rating										Variation respect to last rating	
	Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	MTR	PIR 5	PIR 6	PIR 7 (this PIR)	Δ	Justification	
												<p>identified in the National Climate Change Mitigation Strategy and Action Plan for Mauritius. Its implementation secured Government Agreement on 30 June 2023. The CEB is already implementing various Schemes to promote/integrate RE in electricity production targeting different targets group such as industrial, commercial and domestic including for low-income household.</p> <p>Additionally, some RE measures have been prioritised and developed into Project Proposals for submission to funding/donor agencies.</p>	
Support from International Donors	Output 2.4				L	L		L	L	L	=	<p>Three Project Outlines/Concept Note were developed for a cumulative funding support of around USD 74.53 Million. Two Outlines (Euro 42 Million) were submitted to the Mitigation Action Facility (MAF) by 31 December 2023. One of which (Euro 17Million) has been short-listed for an in-depth assessment which is planned for mid-March 2024 by the MAF. The GCF Project Concept Note (USD 28.97M) would be submitted to the GCF shortly.</p>	
Risks identified in the 2019 PIR													
Duplication of activities from various projects, notably 'NDC Update' by AFD and CBIT.	Specific outputs here				M	L		L	L	L	=	<p>Meetings were held with the consultant under AFD project 'NDC Update' to harmonise the NDC Action Plan with the Climate Change Mitigation Strategy and Action Plan being developed under the NAMA Project.</p> <p>The activities under the CBIT project would build upon the MRV system (MauNDC Registry) developed under the NAMA Project.</p> <p>All the projects are also being monitored at the level of the Climate Change Committee which is chaired by the Permanent Secretary of the Ministry (also the UNFCCC Focal Point).</p>	
Risks identified in the 2020 and 2021 PIRs													

Risk	Risk affecting:	Risk Rating									Variation respect to last rating	
	Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	MTR	PIR 5	PIR 6	PIR 7 (this PIR)	Δ	Justification
Delays on activities implementation and travel restrictions due to COVID 19 and national/partial lockdown.	All Outputs				L	L		L	L	Not Relevant	↓	Virtual and/or Hybrid workshops were held to facilitate the implementation of project activities. The restrictions on gathering and travel have been waived.
Risks identified in the 2022 PIR												
Lack of well trained and experienced national consultants, leading to delays in recruitment of consultant (Renewable Energy Expert) resulting in delays in finalizing the outputs	Output 2.4							H	Not Relevant	Not Relevant	=	Given the challenge in procuring the national expert, the work was undertaken by UNEP CCC experts with the help of project staff. The outputs are completed and hence this risk is no longer relevant.
Lack of adequate data to undertake various analysis and prepare the necessary background deliverables to complete the outputs.	Outputs 2.4							M	L	L	=	Intensive stakeholder consultations were undertaken to gather data for completion of Output 2.4.
New risks identified in PIR (2023)												
Lengthy procurement process	Activity 1.2.4								L	L	=	Recruitment of a service provider for training of stakeholders in the power generation sub-sector on using the tool System Dynamics was not fruitful. This has hindered the completion of activity 1.2.4. However, the impact on overall achievement of the outputs and outcomes is relatively low. The training could be undertaken using other resources as the models are already available with the concerned Ministry.
Delay in preparing final project report and final expenditure report	Final Reporting Obligations								L	L	=	Most of the outputs are completed excepted a few activities that have affected the completion of the respective outputs by the technical end date of 31 January 2024. This was further exacerbated by the departure of the PMU staff. However, the Ministry officials have filled in the gap and have been responsible for producing the final project closure report and final expenditure report through with some delays

Risk	Risk affecting:	Risk Rating									Variation respect to last rating	
	Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	MTR	PIR 5	PIR 6	PIR 7 (this PIR)	Δ	Justification
Consolidated project risk		n.a			M	M		L	L	L	=	

Table B. Outstanding Moderate, Significant, and High risks

List here only risks from Table A above that have a risk rating of M or higher in the current PIR

Risk	Actions decided during the previous reporting instance (PIR _{t-1} , MTR, etc.)	Actions effectively undertaken this reporting period	Additional mitigation measures for the next periods		
			What	When	By whom
Delay in preparing final project report and final expenditure report	<ul style="list-style-type: none"> i) Amendment to the MoA between CEB and PMU by July 2023 including the extended phase activities to enable commitment of 10% funds left. ii) Bi-weekly meetings with co-executing partners to monitor the completion of committed activities to minimize the delays in delivery. iii) Bi-weekly between UNEP and PMU to closely monitor the physical and financial progress 	<p>The MoA with CEB was executed by July 2023. However as explained earlier, some of the activities under this amendment was completed before Jan 2024 and few others were note.</p> <p>Regular meetings with UNEP were held to update the status of the project. However, after the departure of the PMU the interactions were reduced to a larger extent.</p> <p>In the absence of PMU, officials of the Ministry have been responsible for the production of the final project closure report and the final expenditure report which has delayed these reports.</p>	Not applicable. The project attained operational completion on June 30, 2024.	Not applicable	Not applicable

High Risk (H): There is a probability of greater than 75% that **assumptions** may fail to hold or materialize, and/or the project may face high risks.
Significant Risk (S): There is a probability of between 51% and 75% that **assumptions** may fail to hold and/or the project may face substantial risks.
Moderate Risk (M): There is a probability of between 26% and 50% that **assumptions** may fail to hold or materialize, and/or the project may face only modest risks.
Low Risk (L): There is a probability of up to 25% that **assumptions** may fail to hold or materialize, and/or the project may face only modest risks.

Project Minor Amendments

Minor amendments are changes to the project design or implementation that do not have significant impact on the project objectives or scope, or an increase of the GEF project financing up to 5% as described in Annex 9 of the Project and Program Cycle Policy Guidelines.

Please tick each category for which a change occurred in the fiscal year of reporting and provide a description of the change that occurred in the textbox. You may attach supporting document as appropriate.

To be completed by Task Managers

5.1 Table A: Listing of all Minor Amendment

- | | |
|--|---|
| <input type="checkbox"/> Results framework | <input type="checkbox"/> Minor project objective change |
| <input type="checkbox"/> Components and cost | <input type="checkbox"/> Safeguards |
| <input type="checkbox"/> Institutional and implementation arrangements | <input type="checkbox"/> Risk analysis |
| <input type="checkbox"/> Financial management | <input type="checkbox"/> Increase of GEF project financing up to 5% |
| <input type="checkbox"/> Implementation schedule | <input type="checkbox"/> Co-financing |
| <input type="checkbox"/> Executing Entity | <input type="checkbox"/> Location of project activity |
| <input type="checkbox"/> Executing Entity Category | <input type="checkbox"/> Other |

[Annex document linked to reported minor amendment]

Minor amendments	
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5.2 Table B: History of project revisions and/or extensions

To be completed by Task Managers

Version	Type	Signed/Approved by UNEP	Entry into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
Original legal instrument (Amendment 1)		31 July 2018	7 August 2018	28 February 2022	Re-alignment of project activities to reflect the Paris Agreement and the Nationally Determined Contributions (NDC) and to formalise the technical support provided by UNEP-DTU Partnership (Now UNEP Copenhagen Climate Centre)

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Version	Type	Signed/Approved by UNEP	Entry into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
Amendment 2	Revision & Extension	25 February 2021	26 February 2021	28 June 2023	Amendment reflects: <ul style="list-style-type: none"> (i) extension of the project timeline until 28 June 2022 to enable technical completion of all project activities and financial closure by 28 June 2023 to allow for receipt of all terminal reports; (ii) reduction of funds allocated to UNEP-DTU Partnership by USD 390,000. The funds will be transferred to this Ministry for implementation of activities under the MOUs with CEB and URA. The total fund allocated to this Ministry will thus amount to USD 911, 500; (iii) new activities were introduced as follow: <ul style="list-style-type: none"> • Drafting of the Regulation on Electricity Tariff & Drafting of the Net Metering Rules and Regulation. • Development of an Excel and web-based tool for Tariff calculations (including operational manual) and capacity building for URA to use and update the tariff calculation tool. • Development of an online dashboard to monitor URA's KPIs (including operational manual) and capacity building for URA to use and update KPI dashboard. • Co-funding of cost of CEB's cost of electricity services (supply) and therefore to set the fair price (tariff & rates and charges) for each electricity service. • Advanced metering infrastructure for smart meters.
Amendment 3	Revision & Extension	04 August 2022	18 August 2022	31 January 2024	The PCA Amendment No.3 provides for the extension of the Technical Completion till 31 January 2024 to allow for the completion of all activities. New activities under Components 1 and 2 have been identified for implementation and these are as follows: <ul style="list-style-type: none"> • In depth Sectoral Capacity Building on Mitigation Analysis, inclusive of Modelling. The training would be dispensed by expert(s) from UNEP Copenhagen Climate Centre and would be

Version	Type	Signed/Approved by UNEP	Entry into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
					<p>dispensed for all mitigation sectors, except Power Generation Sub-Sector.</p> <ul style="list-style-type: none"> • Capacity Building on System Dynamics Modelling for Power Generation Sub-sector. The activity would be implemented by resource person to be recruited by the Central Electricity Board. • Upgrading of the Central Electricity Board - University of Mauritius Solar Map Platform. • Enhance and extend awareness on renewable energy, energy efficiency and electric mobility in the Republic of Mauritius. • Sectoral Training on Climate Finance covering at least 3 funding organisations. The training would be dispensed by expert(s) from UNEP Copenhagen Climate Centre.

GEO Location Information:

The Location Name, Latitude and Longitude are required fields insofar as an Agency chooses to enter a project location under the set format. The Geo Name ID is required in instances where the location is not exact, such as in the case of a city, as opposed to the exact site of a physical infrastructure. The Location & Activity Description fields are optional. Project longitude and latitude must follow the Decimal Degrees WGS84 format and Agencies are encouraged to use at least four decimal points for greater accuracy. Users may add as many locations as appropriate. Web mapping applications such as [OpenStreetMap](https://openstreetmap.org/) or [GeoNames](https://www.geonames.org/) use this format. Consider using a conversion tool as needed, such as: <https://coordinates-converter.com> Please see the Geocoding User Guide by clicking [here](#)

Location Name Required field	Latitude Required field	Longitude Required field	Geo Name ID Required field <u>if</u> the location is not an exact site	Location Description Optional text field	Activity Description Optional text field
The Republic of Mauritius	-20.30	57.58333	934292		