

# GEF - PROJECT IMPLEMENTATION REPORT (PIR)

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**UNEP GEF PIR Fiscal Year 2024**  
**Reporting from 1 July 2023 to 30 June 2024**

## 1 PROJECT IDENTIFICATION

### 1.1 Project Details

<b>GEF ID:</b> 9498	<b>Umoja WBS:</b> SB-012506
<b>SMA IPMR ID:</b> 40215	<b>Grant ID:</b> S1-32GFL-000616
<b>Project Short Title:</b> Tunisia EE lighting	
<b>Project Title:</b> Leapfrogging Tunisia’s Lighting Market to High Efficiency Technologies	
<b>Duration months planned:</b>	36
<b>Duration months age:</b>	60
<b>Project Type:</b>	Full Sized Project (FSP)
<b>Parent Programme if child project:</b>	9083
<b>Project Scope:</b>	National
<b>Region:</b>	Africa
<b>Countries:</b>	Tunisia
<b>GEF Focal Area(s):</b>	Climate Change Mitigation
<b>GEF financing amount:</b>	\$ 2,399,541.00
<b>Co-financing amount:</b>	\$ 15,738,000.00
<b>Date of CEO Endorsement/Approval:</b>	2018-04-11
<b>UNEP Project Approval Date:</b>	2019-05-28
<b>Start of Implementation (PCA entering into force):</b>	2019-06-03
<b>Date of Inception Workshop, if available:</b>	2021-06-07
<b>Date of First Disbursement:</b>	2019-07-17
<b>Total disbursement as of 30 June 2024:</b>	\$ 1,435,558.00
<b>Total expenditure as of 30 June:</b>	\$ 685,000.00

<b>Midterm undertaken?:</b>	Yes
<b>Actual Mid-Term Date, if taken:</b>	
<b>Expected Mid-Term Date, if not taken:</b>	2024-10-31
<b>Completion Date Planned - Original PCA:</b>	2022-06-20
<b>Completion Date Revised - Current PCA:</b>	2025-03-31
<b>Expected Terminal Evaluation Date:</b>	2025-09-30
<b>Expected Financial Closure Date:</b>	2026-03-31

## 1.2 Project Description

**Project Objective:** To promote the rapid transformation of the Tunisian market to energy efficient lighting technologies, thereby reducing electrical demand and consumption and related GHG emissions.

### Project Components:

**Component 1:** Regulatory mechanisms, including MEPS for lighting products This component seeks to develop minimum energy performance standards (MEPS), set MEPS levels for all lighting technologies in line with the European Union, as defined in the National Efficient Lighting Strategy, and determine the authority to implement the standard.

**Component 2:** Supporting policies for high efficiency lighting technology deployment This component will support the development of communication campaigns, innovative financial mechanisms, distribution campaigns and innovative demonstration projects that promote the use of energy efficient lighting products.

**Component 3:** Strengthened monitoring, verification and enforcement (MVE) for lighting products. This component 3 will strengthen the national system of monitoring, surveillance, control, and testing facilities. This will ensure that lighting products are fully compliant with current and future MEPS and non-compliant products do not enter the market.

**Component 4:** Environmentally sound management of efficient lighting products This component will enable the development of national capacities on environmentally sound management through recycling schemes, regulations and trainings to safeguard the environment throughout the full lifecycle of lightning products.

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### 1.3 Project Contacts

<b>Division(s) Implementing the project</b>	Climate Change Division
<b>Name of co-implementing Agency</b>	
<b>Executing Agency (ies)</b>	Agence Nationale de la Maitrise de l'Energie (ANME)
<b>names of Other Project Partners</b>	UNEP's United for Efficiency (U4E) Centre of Excellence and UNDP Tunisia
<b>UNEP Portfolio Manager(s)</b>	Asher Lessels
<b>UNEP Task Manager(s)</b>	Julien Lheureux
<b>UNEP Budget/Finance Officer</b>	Fatma Twahir
<b>UNEP Support Assistants</b>	Hassan Coulibaly
<b>Manager/Representative</b>	Fethi Hanchi
<b>Project Manager</b>	Abdelkader Baccouche
<b>Finance Manager</b>	Raja Fradi
<b>Communications Lead, if relevant</b>	N/A

## 2 Overview of Project Status

### 2.1 UNEP PoW & UN

<b>UNEP Current Subprogramme(s):</b>	Thematic: Climate action subprogramme
<b>UNEP previous Subprogramme(s):</b>	N/A
<b>PoW Indicator(s):</b>	<ul style="list-style-type: none"> <li>Climate: (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.</li> </ul>
<b>UNSDCF/UNDAF linkages</b>	UNSDCF 2021-2025: Ensure fair management, transparency and sustainability of natural resources, ecosystems and territories, improving their resilience/adaptation as well as that of populations, particularly the most vulnerable, in the face of crises and climate risks.
<b>Link to relevant SDG Goals</b>	<ul style="list-style-type: none"> <li>Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all</li> <li>Goal 13: Take urgent action to combat climate change and its impacts</li> </ul>
<b>Link to relevant SDG Targets:</b>	<ul style="list-style-type: none"> <li>7.3 By 2030, double the global rate of improvement in energy efficiency</li> <li>13.2 Integrate climate change measures into national policies, strategies and planning</li> </ul>

### 2.2. GEF Core and Sub 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	
6.2- Greenhouse gas emission mitigated outside the AFOLU sector	N/A	Direct: 809,465 tCO <sub>2</sub> e (10 years after project completion)	Direct: 809,465 tCO <sub>2</sub> e (10 years after project completion)	The project will only be able to report against this indicator towards its technical completion, in year 2025.

Implementation Status 2024: 5th PIR

### 2.3. Implementation Status and Risks

	PIR#	Rating towards outcomes (section 3.1)	Rating towards outputs (section 3.2)	Risk rating (section 4.2)
FY 2024	5th PIR	MS	MS	M
FY 2023	4th PIR	S	S	L
FY 2022	3rd PIR	MS	MS	S
FY 2021	2nd PIR	S	S	M
FY 2020	1st PIR		U	S
FY 2019				
FY 2018				
FY 2017				
FY 2016				
FY 2015				

#### Summary of status

Over the past 12 months, the implementation of the project has gained significant momentum thanks to the transfer of several activities to UNDP Tunisia. This strategic shift has streamlined the execution process and enhanced the overall effectiveness of the project. The necessary experts have been recruited, and substantial progress has been made on the various deliverables.

However, certain key project activities still remain behind schedule, only 9 months away from the planned technical completion date of the project, i.e. 31 March 2025, posing the risk that the expected outcomes and their respective targets will not be fully met by then. At the time of this PIR, the project is undergoing a Mid-Term Review, which preliminary findings are recommending an additional extension of the project by a few months, to ensure the delivery of quality outputs and achievement of expected outcomes.

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## **Rating towards outcomes:**

### **Outcome 1: Adoption by government of MEPS and label requirements**

The proposal for MEPS and labeling for the Residential and Street Lighting sectors was finalized after integrating feedback and recommendations from a series of consultation workshops and discussions with the PSC members held in early 2023. Additionally, a report outlining public procurement criteria for lighting was prepared and thoroughly reviewed with various stakeholders during the international lighting expert's study visit to Tunisia on June 1-2, 2023. In October 2023, further information and consultation workshops were conducted to support the implementation of MEPS and labeling requirements. The MEPS decree and labeling regulations have now been drafted and finalized at the national level in both Arabic and French. Ongoing discussions with the relevant parties aim to gather additional input before moving forward with the official adoption of these texts, hopefully by end of 2024. As noted in the previous PIR report, a MEPS and labeling proposal for the tertiary sector lighting was also developed. Alongside this, a report on QR Codes Benchmarking was produced, leading to a dedicated meeting with ANME in June 2023, where the report's recommendations were presented. These include integrating QR codes, establishing technical specifications for lighting products within the PRS, and proposing updates to the HS code to align with the new international HS2022 code in accordance with the MEPS classification.

### **Outcome 2: Government actions for an increased availability and use of efficient lighting are in place**

The government has approved the distribution project of 4 million LED lamps, with funding allocated from the Energy Transition Fund (FTE). To date, only the first batch of 400,000 LED lamps has been distributed, with part of the distribution handled by ANME and the remainder delegated to STEG following the signing of the ANME-STEG agreement. Procurement for an additional batch of 1.2 million lamps is currently underway. ANME has also scheduled the launch of the second and third batches during the fourth quarter of 2024, with completion expected before the end of the year. The fourth batch is planned for distribution in the first half of 2025. The Project Management Unit (PMU) has recruited a consultancy services company to support several project activities, including the design of the financial mechanism, which is expected to be finalized towards the end of 2024. The design of the Djerba demonstration project is also set to begin in the second semester of 2024, with results likely to start materializing early 2025. To accelerate the design of the Djerba demonstration project and support local activities, a technical local coordinator has been recruited by UNDP.

### **Outcome 3: Strengthened national capacity to monitor, verify, enforce and report on compliance of the products with MEPS and labelling.**

The activities related to the MVE regulatory framework began in 2023 and are expected to be completed in 2024, with the regulatory text likely to be finalized by December 2024. In March 2024, a consultancy firm was commissioned to analyze current legislation, identify gaps and areas for improvement, and subsequently draft or amend legislation to include a specific control procedure for lighting products. This includes defining administrative procedures, identifying entities responsible for control methods, and establishing a penalty regime. With support from U4E experts, two national capacity-building workshops were conducted in November 2023, focusing on MVE systems and photometry. These workshops were primarily aimed at authorities, particularly representatives from governmental organizations such as the National



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Agency for Energy Conservation (ANME), the Technical Centre for Mechanical and Electrical Industries (CETIME), the Directorate of Quality and Consumer Protection (DQPC), the General Directorate of Manufacturing Industries (DGIM), the National Institute for Standardization and Industrial Property (INNORPI), and the Directorate General of Customs.

The international specialist hired by U4E has finalized the specifications for the lab equipment. ANME has signed an agreement with CETIME, delegating to them the launch of the procurement procedure and the finalization of the equipment acquisition process. CETIME has issued a call for tenders, which is expected to be completed in the 2nd half of 2024. The request for lab accreditation is planned for early 2025. The activities related to testing and operating the lab will commence in early 2025, with results likely to materialize at the very end of the project.

Outcome 4: Capacities are in place to implement a national system to collect, recycle and/or responsibly dispose of lighting products that contain hazardous materials.

A proposal for collection and recycling schemes for used lamps was prepared by the international ESM expert recruited by U4E and has been validated by ANME and ANGED. The National ESM Expert, who will be recruited in 2024, for potential adoption, will assess this scheme. Additionally, a report on the legal aspects of Environmental Sound Management for the Extended Producers Responsibility (EPR) Scheme for Electric and Electronic Equipment in Tunisia was developed by the International ESM expert and validated by ANME and ANGED. The national ESM expert will further develop the text. To support capacity building in waste management collection, a study tour was organized in November 2023. The tour aimed to provide insights into the role of recovery plants in the EPR system and the features of treatment facilities for proper management of Waste Electrical and Electronic Equipment (WEEE), with the goal of replicating successful practices in Tunisia.

Based on the detailed assessment undertaken in sections 3.1 of this PIR and given the additional delays incurred by the project, the progress towards achieving the expected outcomes is now rated at **“Marginally Satisfactory” (MS)**.

**Rating towards outputs:**

Component 1: Regulatory mechanisms, including minimum energy performance standards (MEPS) for lighting products

The proposal for MEPS and labeling for the Residential and Street Lighting sectors was finalized after integrating feedback and recommendations from a series of consultation workshops and discussions with the PSC members held in early 2023. Ongoing discussions with the relevant parties aim to gather additional input before moving forward with the official adoption of these texts.

Component 2: Supporting policies for high efficiency lighting technology deployment

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During the reporting period, the survey launched to Tunisian which aims to gain deeper insights into their specific needs and requirements, allowing for a more tailored and effective approach in implementing the MEPS proposal, and the report on the assessment of local manufacturers was prepared. The design of the financial mechanism and the Djerba pilot project have experienced delays, and will be started in the 2nd half of the year 2024.

#### Component 3: Strengthened monitoring, verification and enforcement (MVE) for lighting product

With support from U4E experts, two national capacity-building workshops were conducted in November 2023, focusing on MVE systems and photometry. These workshops aims to strengthen expertise in Monitoring, Verification, and Enforcement mechanisms, ensuring effective and sustainable project outcomes. The reports and proposals prepared by U4E expert were shared with various stakeholders for feedback and collaboration, demonstrating the project's commitment to involving all relevant parties in achieving energy efficiency goals in Tunisia.

CETIME finalized the TOR for lab equipment acquisition based on the specifications prepared by the U4E expert. The procurement of the lab equipment has experienced delays, and should hopefully now be concluded before the end of year 2024, which could impact the timely accreditation of the lab before project completion.

#### Component 4: Environmentally sound management of efficient lighting products

The International ESM Specialist from U4E has prepared a report on the legal aspects of Environmental Sound Management for the Extended Producers Responsibility (EPR) Scheme for Electric and Electronic Equipment. To support capacity building in waste management collection, a study tour was organized in November 2023. The tour aimed to provide insights into the role of recovery plants in the EPR system and the features of treatment facilities for proper management of Waste Electrical and Electronic Equipment (WEEE), with the goal of replicating successful practices in Tunisia. The regulatory texts on ESM will be prepared and finalized during the next reporting period.

Based on the above and the assessment made in section 3.2 below, a number of project outputs have experienced delays, which could compromise the ability to finish the implementation of all activities by 31 March 2025 with the expected quality. The project's implementation progress is therefore rated "**Marginally Satisfactory**" (MS). A workplan revision will likely have to be prepared by ANME and UNDP to extend the project beyond March 2025, in order to ensure all project outputs are fully delivered.

### Overall risk rating:

Some of the risk identified in previous PIRs continue to persist, in particular the lengthy processes to conclude the procurement of the laboratory equipment. In addition, 3 new risks have been identified in the 2024 PIR:

1. Delays in the implementation of key project activities may detrimentally affect the project's ability to meet the expected outcomes by project completion
2. Lack of engagement of national stakeholders could lead to low buy-in / ownership of the project's products, impacting sustainability of its results over time
3. The delays experienced in the LED distribution programme may lead to the government of Tunisia project not meeting its co-finance commitments and an under achievement of the project's targets.

The section 4 of the PIR provides more details on risks, as well as an action plan with suggestions to mitigate them. The project is currently rated at **“Moderate”** risk.

### 2.4 Co Finance

<b>Planned Co-finance:</b>	\$ 15,738,000
<b>Actual to date:</b>	512,492
<b>Progress</b>	<p><b>Justify progress in terms of materialization of expected co-finance. State any relevant challenges:</b></p> <p>During the period under review, the ANME's "in-kind" contribution of US\$ 19,947 involved deploying personnel to carry out various project activities, such as attending meetings with various stakeholders, including PSC meetings, and report generation, These activities include organizing meetings with stakeholders and the Project Management Unit (PMU) to advance technical reporting on aspects such as Minimum Energy Performance Standards (MEPS), Environmentally Sound Management (ESM) of lighting products / waste, and developing the Terms of Reference (TOR) for laboratory equipment. In addition, the U4E team mobilized US\$ 10,000 worth of in-kind co-finance in the form of staff time, from U4E's Project Manager, as part of UNEP's regular budget. Such support has taken the form of: participation of all U4E deliverables - the revision and comments on reports and technical specifications/recommendations, coordination of project activities and organization of technical mission, development of related articles and communication pieces, etc. Additionally, the cofinance during this period includes the support of U4E's communication expert, for the development of articles published in U4E's website, brochures and technical specifications that have been directly related/ about Tunisia's Energy Efficiency Lighting project.</p> <p>The total amount of co-finance realized so far is \$ 512,429 representing only 3% of the total co-financing commitment for the project.</p> <p>If the government of Tunisia does not accelerate the deployment of the LED distribution programme, there is a possibility the project will not meet its co-financing target. Nonetheless, the co-finance mobilization is expected to significantly increase in the next reporting period (July 2024 - June 2025), as the</p>

	government of Tunisia will be scaling up the LED distribution programme, with the procurement and distribution of 2.4 million LED lamps in the next few months.
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## 2.5. Stakeholder

<b>Date of project steering committee meeting</b>	2024-01-23
<b>Stakeholder engagement (will be uploaded to GEF Portal)</b>	<p>The project has strong support from partners and stakeholders. Indeed, it benefits from the support of its steering committee, which is a high-level committee with strong representation from key sectors and high-level decision-makers, including the Ministry of Industry and Energy, the Ministry of Finance, the Ministry of Planning, the Ministry of the Environment, the Tunisian Electricity and Gas Company (STEG), CETIME, and the Tunisian Organisation for the Defence of Consumers.</p> <p>In addition, the project has succeeded in setting up several working groups: (1) one for the development of the MEPS, (2) one for the design of financial mechanisms, (3) another for the design and implementation of the Djerba pilot project, and (4) another focusing on the environmentally sound management of lighting products and hazardous materials contained in lighting products. This approach has led to greater involvement and coordination between the project and the various institutions and key partners.</p> <p>Finally, the project involves these partners in capacity-building activities to further develop the technical skills of these key decision-makers and enable them to support and take ownership of the project's initiatives and activities.</p> <p>In the final year of implementation of the project, the ANME and UNDP Tunisia will be increasing the frequency of stakeholder engagements, including through organizing more regular PSC meeting to consult and update the members on project progress and challenges..</p>

## 2.6. Gender

<b>Does the project have a gender action plan?</b>	Yes
<b>Gender mainstreaming (will be uploaded to GEF Portal):</b>	<p>The project has been able to mobilise a National Gender Expert (hired in March 2024) whose task is to design and monitor a gender mainstreaming policy for the four components of the project, by updating the gender action plan specific to the project and monitoring and evaluating the implementation of this action plan. An inception meeting was organized by the Gender Expert following her recruitment, and she is currently in a data collection phase, through bilateral meetings and surveys with relevant national stakeholders.</p> <p>In addition, an analysis of gender issues in lighting in Tunisia will be carried out and the provisional Gender Action Plan will be updated with regular monitoring to ensure that gender is mainstreamed in the various activities of this project. Results should materialize during the next reporting period.</p> <p>Finally, the Project team continues keeps gender-disaggregated attendance lists for all meetings/events organized as part of the project.</p>

## 2.7. ESSM

<b>Moderate/High risk projects (in terms of Environmental and social safeguards)</b>	<p><b>Was the project classified as moderate/high risk CEO Endorsement/Approval Stage?</b></p> <p>Yes</p> <p><b>If yes, what specific safeguard risks were identified in the SRIF/ESERN?</b></p> <p>According to the Environmental and Social screening undertaken during the preparation of the CEO Endorsement Document, this project was rated as being in the “Moderate” safeguard risk category. In light of this rating, the main safeguard-responsive measures to be taken into consideration were the following: 1. Challenges / implications of the MEPS and other policies on the individual and private sector levels: as part of the design of the MEPS, stakeholder consultations will be undertaken by the government with manufacturers, distributors, retailers, customs and laboratories, to assess the implications of the different policy options. This will be done as part of Component 1 of the project. 2. Sound management of hazardous waste: an important part of these policy discussions will be the implications related to collection and disposal of used lamps. Component 4 is precisely designed to address this issue in a comprehensive way, through legislation and capacity building with government officials and other relevant stakeholders.3.</p> <p>Fiscal and financing mechanisms: the financial mechanisms that will be introduced as part of the project have been designed and calibrated by the government to respond to different stakeholder groups. Low income households will receive bulbs free, the hotel sector will have a subsidy, and middle-income groups will be targeted through the financial scheme. The conceptualization of these</p>
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	ideas have started prior to the project as part of a broader policy implementation by the government and will continue after the end of the project. The project will support the roll out and implementation of this phase and the lessons will be used by the government in the future. Component 2 is precisely about this.
<b>New social and/or environmental risks</b>	<p><b>Have any new social and/or environmental risks been identified during the reporting period?</b></p> <p>No</p> <p><b>If yes, describe the new risks or changes?</b></p> <p>No new social and//or environmental risks identified.</p>
<b>Complaints and grievances related to social and/or environmental impacts</b>	<p><b>Has the project received complaints related to social and/or environmental impacts (actual or potential) during the reporting period?</b></p> <p>No</p> <p><b>If yes, please describe the complaint(s) or grievance(s) in detail, including the status, significance, who was involved and what actions were taken?</b></p> <p>N/A</p>
<b>Environmental and social safeguards management</b>	<p>Regarding the 1st bullet point above on MEPS, national stakeholders (i.e. ANME, CETIME, ANGED, private sector actors from the lighting industry) have participated in the various working sessions for the preparation of the MEPS report and the labeling requirements. In addition, the PSC members were informed about the outcomes of the MEPS report during the 4th PSC meeting held in January 2024. Two training sessions on MVE system for Tunisia were delivered in Tunis on the 14th and 15th November 2023 by the International MVE expert. The training focused on raising awareness of the importance of establishing an effective MVE framework, the elements that could be considered for inclusion to improve the current Tunisian MVE system, and on strengthening the capacities of the main stakeholders associated with the introduction of MEPS and labelling for lighting products. The MEPS regulatory text has been finalized, translated to Arabic and disseminated among the key line ministries / national institutions, for a final round review / comments, before the official endorsement, which is planned before the end of year 2024. The work related to the 2nd bullet point above on sound management of lighting products' waste has made significant progress during the period under review. As part of output 4.1, a study and a feasibility assessment on the design of a collection and recycling or disposal scheme were prepared. A consultative workshop between the international expert, ANME and ANGED took place during the mission to Tunis in May 2023, to discuss findings from the assessment, current situation, and plans ahead from the country in terms of a collection and recycling system. A document on logistical key elements for the collection and recycling / final disposal of lamps was developed and approved by ANME &amp; ANGED. Finally, a report on operative ESM was prepared for Tunisia. As part of output 4.2, the data gathering process to assess the current collection and recycling system in Tunisia was completed. All findings that justify the technical proposals are part of the corresponding reports. A consultative workshop between ANME and ANGED took place during a technical mission to Tunis in 2023, to discuss findings from the assessment, current situation and plans ahead from the country in terms of a collection and recycling system and meetings with other</p>

	<p>national stakeholders. A final report on Legal Environmental Sound Management aspects for Extended Producers Responsibility Scheme for Electric and Electronic Equipment in Tunisia was developed by the International ESM expert, and has been approved by ANME and ANGED. ANGED is currently working on the EPR regulatory text in the framework of an international agreement with GIZ. As part of output 4.3, ESM Capacity Building material on the topics of Extended Producers Responsibility have been developed by the U4E International ESM expert. Additionally, TOR proposal on overseas Study Tour on Electric and Electric Waste treatment were designed. The 2nd ESM training session on Extended Producers Responsibility was delivered by U4E International ESM expert to main country stakeholders (ANME, ANGED, Ministry of Finance, Ministry of Environment, Ministry of Industry-Mines and Energy) on 28 November 2023. The training was delivered in the framework of the Overseas Study Tour on Waste Management between 27 to 30th November 2023 in Madrid and Zaragoza, Spain which included technical visits to several Waste Treatment plants of WEEE (including lighting, cooling appliances, batteries, etc.). The work related to the 3rd bullet point above on financial mechanisms (output 2.2 of the project) is just starting. We will be in a position to report on this in the next PIR.</p>
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## 2.8. KM/Learning

<p><b>Knowledge activities and products</b></p>	<p>During the various capacity-building activities carried out as part of the project's various activities, several guides and training materials were prepared and distributed to the project's key partners. With the support of U4E experts on activities related to MEPS, MVE and others. The project also intends to produce other guides and materials for sharing successful experiences between now and the end of the project.</p> <p>UNEP's United for Efficiency (U4E) team, in close coordination with the national project team in Tunisia, the Agence Nationale de la Maitrise de l'Energie (ANME), have progressed on the delivery of key market transformation elements for the lighting sector during the semester, providing guidance, advice, and technical support for the implementation of the project activities.</p> <p>The U4E technical support to Tunisia during the reporting period can be summarized in the following items:</p> <ul style="list-style-type: none"> <li>• Development of TOR proposal for training programme on financial mechanisms scaling up the LED Market in Tunisia.</li> <li>• Development of assessment report on Tunisian Lighting Manufacturers.</li> <li>• Development of report with recommendations for lighting manufacturers to transition to LED product manufacturing.</li> <li>• Development of a final report on the Environmentally Sound Management (ESM) legal aspects for an Extended Producers Responsibility scheme for Electric and Electronic Equipment in Tunisia.</li> <li>• Delivery of overseas ESM Study Tour in Spain on Waste Management Collection and Treatment and Capacity building session on</li> </ul>
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	<p>Extended Producers Responsibility.</p> <ul style="list-style-type: none"> <li>• Technical support to National Laboratory CETIME on the definition of technical specifications for Photometry equipment.</li> <li>• Delivery of Photometry Capacity Building to build expert testing capability in lighting product performance and training material.</li> <li>• Delivery of Capacity Building on Monitoring, Verification and Enforcement principals and tailored recommendations based on previous assessment</li> </ul>
<b>Main learning during the period</b>	See above section on knowledge management / learning.

## 2.9. Stories

<b>Stories to be shared</b>	No particular story to be shared for this project in this stage.
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### 3 Performance

#### 3.1 Rating of progress towards achieving the project outcomes

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	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	Progress rating
To promote the rapid transformation of the Tunisian market to energy efficient lighting technologies, thereby reducing electrical demand and consumption and related greenhouse gases (GHG) emissions.	Labeling and MEPS system developed for lighting products	Baseline A: No Labels nor MEPS for lighting products		Target A: Labeling and MEPS regulations adopted for lighting products	MEPS and labelling regulations are finalized, awaiting formal adoption by the government	The MEPS decree and labeling regulations have now been drafted and completed at national level, in both Arabic and French. Discussions with the parties concerned are underway to gather further input before proceeding with the official adoption of these texts.	S
	Indicator B: Amount of GHG emissions mitigated	Baseline B: 0 tCO2e		Target B: Direct (including post-project): 809,465 tCO2e (10 years after project completion)	N/A yet	The Project Management Unit will only be able to report against these targets at the time of technical completion, i.e. in year 2025.	S
	Indicator C: Market share of lamps entered in the Tunisian market	Baseline C : 2017: - Indoor lamps: IL: 8.3%; HAL: 1.3%; LFL: 21.3%; CFL:		Target C: End of project: - Indoor lamps: IL: 4.2%; HAL: 1.3%; LFL:	N/A yet	The Project Management Unit will only be able to report against these targets at the time of technical completion, i.e. in year 2025. A new baseline study was carried out to assess the market share of CFL and LED lamps as of year 2021.	S

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	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	Progress rating
		43.3%; LED: 25.9% - Street lighting: VM: 8.6%; SHP: 57.8%; HM: 18.1%; Solar lamp: 15.5%		21.3%;CFL: 43.3%; LED: 30% - Street lighting: VM: 3.6%; SHP: 57.8%; HM: 18.1%; Solar lamp: 20% 10 years post-project: - Indoor lamps: IL:1.7% ; HAL: 0.3%; LFL: 21.2%;CFL: 28.3%; LED: 48.5% - Street lighting VM: 0%; SHP: 57.8%; HM: 18.1%; Solar lamp: 24%			
Outcome 1:Adoption by government of MEPS and label requirements.	Indicator 1:# of standardized MEPS for efficient lighting adopted by the government	Baseline 1: 0		Target 1: At least 2	The MEPS for (1) residential lighting and (2) street lighting have been prepared and are	The MEPS decree for residential lighting and street lighting have been drafted and completed at national level, in both Arabic and French. Discussions with the parties concerned are underway to gather	S

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	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	Progress rating
					awaiting formal adoption	further input before proceeding with the official adoption of these texts.	
	Indicator 2:# of labelling regulations revised and adopted for lighting products	Baseline 2: 0		Target 2: 1	The labelling regulation has been prepared and is awaiting formal adoption by the government	The labelling regulations have been prepared and are awaiting approval from the government. A report on QR Codes Benchmarking was also developed and a dedicated meeting on QR Codes with ANME took place in June 2023 to present the report recommendations which includes the QR code, technical specification for lighting products for its PRS and a proposal for updating the HS code to the new international HS2022 code in accordance with the MEPS classification.	S
Outcome 2:Government actions for an increased availability and use of efficient lighting are in place	Indicator 3:# of indoor LED lamps distributed by the government	Baseline 3: 0		Target 3: At least 4,000,000	400,000	The government has approved the distribution project of 4 million LED lamps, with funding allocated from the energy transition fund FTE. However, the distribution programme is experiencing delays. So far, only the 1st batch of 400,000 LED lamps was distributed by ANME and STEG. The procurement of an additional batch of 1.2 million LED lamps is currently underway. ANME has also planned to launch the 3rd and the 4th batch during the fourth quarter of 2024 and set to be completed before the end of the year. If the process does not gain momentum in the next few months, there is a risk this target will	MU

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	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	Progress rating
						not be met by project completion.	
	Indicator 4:# of financial mechanisms designed and introduced for lighting products	Baseline 4: 0		Target 4: At least 1	0	The PMU succeed to recruit a consultancy services company to support several activities of the project including the design of this financial mechanism. While the activities have experienced delays, the work on the financial mechanisms is expected to be finalized in towards the end of Year 2024.	S
	Indicator 5:# of lighting systems installed under the Djerba demonstration project	Baseline 5: 0		Target 5: At least 1,400 LED street lamps At least 400,000 LED indoor lamps	0	The activities related to the design of the Djerba demonstration project have experienced delays. While they are now planned to start in 2nd semester of Year 2024, results will therefore likely start materializing early 2025. A technical local coordinator has been recruited by UNDP to support the activities at local level and accelerate the design of the Djerba demonstration project.	MS
Outcome 3:Strengthened national capacity to monitor, verify, enforce and report on compliance of the products with MEPS and Labelling.	Indicator 6:# of regulatory text for efficient lighting MVE revised and/or developed	Baseline 6: 0		Target 6: 1	In progress	The activities on the MVE regulatory framework have started in 2023 and are expected to be completed in 2024. The regulatory text is therefore likely to be finalized by end-2024. In fact, A consultancy firm was mandated in March 2024 to Analyse current legislation and identify gaps and needs for improvement and subsequently draft (or amend if	S

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	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	Progress rating
						necessary existing) legislation to include a specific control procedure for lighting products (administrative flow, entities responsible for control methods, penalty regime, etc.).	
	Indicator 7:# of training workshops on lighting market monitoring delivered to government authorities and customs administration	Baseline 7: 0		Target 7: At least 2 (with at least 30% female participants representing various institutions who receive training and consultation via this activity)	2 training workshops delivered	With the support of the U4E experts, 2 National capacity-building workshops were conducted in November 2023 including themes related to MVE systems and photometry. Those workshops were specifically designed for authorities, predominantly representatives from governmental organizations including the national agency for energy conservation (ANME), Technical Centre for Mechanical and Electrical Industries (CETIME), Directorate of Quality and Consumer Protection (DQPC), General Directorate of Manufacturing Industries (DGIM), National Institute for Standardisation and Industrial Property (INNORPI), and Directorate General of Customs	S
	Indicator 8:CETIME laboratory is internationally accredited and testing LED bulbs in line with adopted protocol and MEPS	Baseline 8: Proposal for accreditation prepared and submitted to relevant international		Target 8: 1 international accreditation obtained	In progress	The activities related to this target have experienced delays. The International Expert hired by U4E has finalised the specifications of the lab equipment. ANME has signed an agreement with CETIME to delegate to them the launch of the procurement procedure and the finalisation of the equipment	MS

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	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	Progress rating
		body				acquisition process. CETIME launched the call for tenders is expected to be completed in the 2nd half of 2024. The lab accreditation request is planned to be undertaken in year 2025	
	Indicator 9:# of compliance reports issued on adopted testing protocols	Baseline 9: 0		Target 9: 2	0	The activities related to the testing and operating of the lab will only be possible once the lab equip is procured and installed. These have experienced important delays over the course of the period under review.	MU
Outcome 4:Capacities are in place to implement a national system to collect, recycle and/or responsibly dispose of lighting products that contain hazardous materials.	Indicator 10:# of ESM schemes developed and adopted	Baseline 10: 0		Target 10: 2	ESM schemes developed, awaiting adoption	A proposal for collection and recycling schemes for used lamps has been prepared by the expert (recruited by U4E) and is validated by ANME and ANGED. This scheme will be assessed by the National ESM Expert for adoption, once recruited in 2024.	S
	Indicator 11:# of regulatory texts on ESM of spent lamps and hazardous waste material contained in lamps developed and adopted	Baseline 11: 0		Target 11: 2	0	A report on Legal Environmental Sound Management aspects for Extended Producers Responsibility Scheme for Electric and Electronic Equipment in Tunisia was developed by the International ESM expert and validated by ANME and ANGED. The regulatory texts will be developed by the national ESM expert.	MS
	Indicator 12:# of retailers and collectors able to implement	Baseline 12: 0		Target 12: At least 30	0	A study tour (including trainings) has been organized in November 2023 for	MS

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	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	Progress rating
	the adopted ESM schemes of training workshop on ESM delivered to government authorities, retailers and collectors			(with at least 30% female participants representing various institutions who receive training and consultation via this activity)		Capacity Building on Waste Management Collection. The overall objective of this study tour was to learn about the role that recovery plants play in the EPR system and the features of treatment facilities for the correct management of WEEE to be replicated in Tunisia. The trainings of lamp retailers and collectors will take place during the next reporting period. The PMU will need to encourage the participation of women in the trainings, to reach the 30% target.	

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

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
1 COMPONENT 1. Regulatory mechanisms, including minimum energy performance standards	Output 1.1: National stakeholders are consulted and informed on the implementation of MEPS and labelling requirements.	2025-03-31	67%	70%	Significant progress has been achieved on the MEPS and labelling related consultations during the period under review. However, the gender related work is still to be fully undertaken.	MS
	Activity 1.1.1: Setting up of the project steering committee and a working group for MEPS development	2021-11-30	100%	100%	The project steering committee met on 24 January 2023 and validated the proposed MEPS. The MEPS working group was also	S

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
(MEPS) for lighting products					formally established.	
	Activity 1.1.2: Gender assessment, updating of gender action plan for the project and follow up of gender mainstreaming in the project	2025-03-31	0%	10%	The Gender Mainstreaming Expert has been recruited since March 2024. This activity is ongoing and shall be finalised by early 2025.	MS
	Activity 1.1.3: Organization of information and consultation workshops on the implementation of MEPS and labelling requirements.	2023-12-31	100%	100%	The MEPS and Labels Workshop to present the Lighting MEPS proposal to national stakeholders in Tunisia was held on 18th October 2022.	S
	Output 1.2: MEPS are adopted for all lighting products, including light emitting diode (LED) lamps and systems.	2025-03-31	40%	55%	The MEPS and labelling regulatory texts have been prepared and are awaiting adoption by the government of Tunisia. The QR code application will be developed in the 2nd half of 2024.	MS
	Activity 1.2.1: Development of a market study on stocks, sales, and trends in the purchase and operation of lighting products, with a breakdown of market sectors in terms of energy performance, age, and other key factors (data collection, meetings with key actors, sharing of preliminary results, etc.)	2025-03-31	45%	75%	The 1st market study was developed and submitted to ANME in December 2022. Another market study to assess the market transformation was carried out by the consultancy firm mandated in March 2024 and finalised in June 2024. A final market study will have to be undertaken in the final months of the project to assess the market change in 2025.	S
	Activity 1.2.2: Organization of consultation workshop with relevant stakeholders on the study results and the strategy to adopt in view of changing the market trend	2023-06-30	0%	0%	This activity will be delayed in the in the 3rd quarter of year 2024	MU
	Activity 1.2.3: Review and support in finalising draft national EE regulations (MEPS) for lighting products in Tunisia	2022-12-31	100%	100%	Completed in previous reporting periods.	S



Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
	Activity 1.2.4: Organization of a consultation workshop on the standards developed	2022-10-31	100%	100%	The MEPS and Labels reports have been updated based on stakeholders' feedback and comments received during the MEPS workshop. A local committee meeting took place on 8th December 2022, and side documents and notes addressing the additional comments received have been developed by U4E International Lighting expert. The MEPS was validated by the steering committee on 24 January 2023 and the final version of the of MEPS were prepared, and translated to Arabic in 2024.	S
	Activity 1.2.5: Finalization of standards based on exchange with national stakeholders and preparation of a relating regulatory text	2023-07-31	95%	100%	The MEPS were finalized, translated to Arabic, and are now awaiting adoption by the government.	S
	Activity 1.2.6: Technical support for the official publication of the regulatory text	2023-12-31	25%	50%	Finalization of the standards on the basis of an exchange with national stakeholders and preparation of a related and ongoing regulatory text. Up to the date of this report, exchanges have been held with the various stakeholders.	MS
	Activity 1.2.7: Update of the phase out plan of incandescent lamps	2023-11-30	0%	10%	In March 2024, PMU recruited a consultancy services company to support several activities of the project including Update of the phase out plan of incandescent lamps. This will now be completed by end of year 2024.	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
	Activity 1.2.8: Technical support for the official publication of the regulatory text relating to the phase out of incandescent lamps	2023-09-30	0%	10%	In March 2024, PMU recruited a consultancy services company to support several activities of the project including Technical support for the official publication of the regulatory text relating to the phase out of incandescent lamps	MU
	Activity 1.2.9: Technical support for the official publication of the regulatory text relating to lamps labelling	2023-12-31	0%	50%	Finalization of the standards on the basis of an exchange with national stakeholders and preparation of a related and ongoing regulatory text. Up to the date of this report, exchanges have been held with the various stakeholders between September and December 2023. Activity now planned to be completed in December 2024.	MU
	Activity 1.2.10: Benchmarking of international experiences of QR application for labelling and the associated IT equipment	2023-11-30	70%	100%	Final report on QR Codes Benchmarking developed by U4E partner BASE and Lighting expert Bruno Lafitte has been submitted to ANME.	S
	Activity 1.2.11: Design, development, installation and testing of QR application for labelling, and associated hardware equipment	2025-03-31	0%	10%	TORs for the recruitment of a service provider for the Design, development, installation and testing of QR application for labelling, and associated hardware equipment launched and the work is expected to start in Q3 2024.	S
2 COMPONENT 2: Supporting	Output 2.1: Public awareness is raised through multi-media communication and distribution campaigns, increasing consumers	2025-03-31	1%	18%	The work under this output has been delayed. During the actual reporting	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
policies for high efficiency lighting technology deployment	uptake of efficient lighting.				period, all the activities under this output are ongoing with the exception of the activities 2.1.6 et 2.1.7.	
	Activity 2.1.1: Preparation of a communication plan targeting the general public	2023-09-30	0%	50%	The development of the communication plan is part of the mission of the consultancy firm recruited in March 2024. According to the schedule of activities agreed, the plan for these campaigns will be submitted by the end of July 2024.	MU
	Activity 2.1.2: Preparation of communication and demonstration material and tools	2023-12-31	0%	10%	According to the schedule of activities agreed with consultancy firm CAMI, Preparation of communication and demonstration material and tools is scheduled for November 2024.	MU
	Activity 2.1.3: Training of awareness raising and demonstration teams	2024-03-31	0%	10%	According to the schedule of activities agreed with consultancy firm Training report for awareness and demonstration teams on the energy efficiency of lighting, is scheduled for November 2024.	MU
	Activity 2.1.4: Conduction of a communication and in-situ demonstration campaign (print and electronic media, TV, radio, etc.)	2025-03-31	0%	50%	Communication and in situ demonstration campaigns have been underway since January 2024.	MS
	Activity 2.1.5: Design of a scheme for the distribution of LED lamps and collection of replaced lamps (approach, participants, planning, etc.)	2023-12-31	0%	10%	The Design of a scheme for the distribution of LED lamps and collection of replaced lamps is part of the mission of the consultancy firm CAMI. According to the schedule of activities agreed,	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					the plan for distributing LED lamps and collecting replaced lamps will now be submitted by the end of August 2024.	
	Activity 2.1.6: Call for proposals and selection of participating NGOs	2023-09-30	0%	0%	This activity is planned to start during Q3 2024	MU
	Activity 2.1.7: Training of participation NGOs on Energy Efficiency in lighting, impact of LED lamps Use and collection of replaced lamps	2023-12-31	0%	0%	This activity is planned to start during Q4 2024	MU
	Activity 2.1.8: Tendering and procurement of LED lamps	2024-12-31	15%	20%	The government has approved the distribution project of 4 million LED lamps, with funding allocated from the energy transition fund FTE. So far, the first batch of 400,000 LED lamps part of which was distributed by ANME and part of which was delegated to STEG following the signing of the ANME-STEG agreement. The procurement of an additional batch of 1.2 million lamps is currently underway. ANME has also planned to launch the second and the third batch during the fourth quarter of 2024 and set to be completed before the end of the year. The fourth batch is planned for distribution in the first half of 2025.	MU
	Activity 2.1.9: Implementation of distribution and collection activities	2025-03-31	0%	15%	So far, the first batch of 400,000 LED lamps part of which was distributed by ANME and part of which was delegated to STEG following the signing of the ANME-STEG agreement	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
	Output 2.2: Financial mechanisms, such as on-bill financing, are introduced to support end users' purchases of efficient lighting products	2025-03-31	20%	28%	The technical working group on financial mechanisms was established. The activities related to this output are planned to be conducted by the consultancy Firm CAMI and has already started	MS
	Activity 2.2.1: Setting up of a working group for the design of financial mechanisms	2022-11-30	100%	100%	The working group has been established in November 2022.	MS
	Activity 2.2.2: Designing different financial models for offsetting the initial first cost of high efficiency products according to lighting product type and utilization (street lighting, commercial, residential) including specific financial model for the residential sector.	2024-01-31	0%	10%	The development of this activity is part of the work planned by the CAMI engineering consultancy. The development of financial models to offset the initial cost of energy-efficient products is scheduled for the end of July 2024.	MU
	Activity 2.2.3: Organization of consultation workshop with relevant stakeholders on financing scheme design.	2024-01-31	0%	10%	The development of this activity is part of the work planned by the CAMI engineering consultancy. -The detailed financing mechanism following the consultation workshops with national stakeholders is scheduled for the end of August 2024.	MU
	Activity 2.2.4: Conducting negotiation with relevant stakeholders on the establishment and implementation of the financial mechanism.	2025-01-31	0%	10%	The development of this activity is part of the work planned by the CAMI engineering consultancy. A report on the negotiation process with national and international donors to obtain funding (October 2024).	MS
	Activity 2.2.5: Preparation of a funding request for international	2024-12-31	0%	10%	The development of this activity is part	MS

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
	financial support of the financial mechanisms in the lighting sector				of the work planned by the CAMI engineering consultancy. A report on the funding requests to be submitted to international financial organisations (November 2024).	
	Output 2.3: Training is delivered to local lamp producers to strengthen technical capacity to produce LED lamps and LED lighting systems with controls	2023-12-31	33%	58%	The work on the activities under this output have been delayed and should now be completed by early 2025	MU
	Activity 2.3.1: In-situ assessment of manufacturers production lines and technology needs	2023-03-31	75%	100%	In addition to technical visit by International Lighting experts during the previous semester to four (4) local lighting manufacturers in Tunis, a follow up meeting by U4E Lighting Expert and BASE took place on 2nd June 2023 with another group of manufactures. A survey to gather complementary information was submitted to 25 manufacturers, and to date, was received enough information to help conclude the activity. Manufacturer's assessment report was submitted for ANME's review in Q2 2024.	S
	Activity 2.3.2: Proposal of an upgrade plan to local manufacturers on transitioning from incandescent lamp and CFL manufacturing to the production of LED lamps and improving quality product for LED manufacturers	2023-08-31	25%	80%	This activity started after the finalization of the Manufacturer's Assessment report in Q2 2024. The CAMI engineering consultancy will prepare a Proposal of an upgrade plan to local manufacturers on transitioning from incandescent lamp and CFL manufacturing to the production of LED lamps and	MS

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					improving quality product for LED manufacturers on the light of the insight provided by the assessment of the activity 2.3.1.	
	Activity 2.3.3: Conduction of training sessions to local manufacturers on transitioning from incandescent lamp and CFL manufacturing to the production of LED lamps and improving quality product for LED manufacturers	2023-09-30	0%	50%	TOR proposal with the training programme details for financial mechanisms scaling up the LED Market in Tunisia was developed by U4E's partner BASE, and submitted to ANME and UNDP Tunisia for approval and coordination of delivery date. The activity was delayed due to a lengthy information gathering process with surveys to manufactures and the consequent delay of the completion of the report (Activity 2.3.2).Awaiting confirmation of the date from ANME/UNDP Tunisia to provide the training.	MS
	Activity 2.3.4: On field support to the potential local manufacturers engaged in upgrade plan during project implementation	2023-12-31	0%	0%	This activity is tentatively expected to start in Q4 2024, although this timing depends on the completion of activities 2.3.2 and 2.3.3.	MU
	Output 2.4: An "all-LED island" lighting demonstration project is completed on Djerba through public-private partnerships with the municipality and hospitality sector.	2025-03-31	10%	10%	The design of the Djerba demonstration project is planned to start in3rd semester of Year 2024. Results will therefore likely start materializing towards the end of year 2024. A technical local coordinator has been recruited by UNDP to support the activities at local level and accelerate	MS

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					the design of the Djerba demonstration project.	
	Activity 2.4.1: Setting up of a working group for Djerba pilot project design and implementation	2022-11-30	100%	100%	The working group has been established in November 2022.	S
	Activity 2.4.2: Development of a technical and financial feasibility study for the design of the pilot project	2023-12-31	0%	0%	This activity is planned to start during Q3 2024	MU
	Activity 2.4.3: Development of a PPP business model for the implementation of the project	2023-12-31	0%	0%	This activity is planned to start during Q4 2024	MU
	Activity 2.4.4: Organization of consultation workshop with relevant stakeholders	2023-12-31	0%	0%	This activity is planned to start during Q4 2024	MU
	Activity 2.4.5: Conducting negotiation with relevant stakeholders on securing funding and the implementation of the project	2024-03-31	0%	0%	This activity is planned to start during Q4 2024	MU
	Activity 2.4.6: Conduction of re-lamping assessments in the participating hotels and municipalities	2024-04-30	0%	0%	This activity is planned to start during Q4 2024	MU
	Activity 2.4.7: Development of technical specification for procurement of LED lamps by municipalities and staff training	2024-05-31	0%	0%	This activity is planned to start during Q4 2024	MU
	Activity 2.4.8: Preparation of technical guidance, promotional brochures, communication plan and material	2024-05-31	0%	0%	This activity is planned to start during Q4 2024	MU
	Activity 2.4.9: Conduction of a communication campaign	2025-03-31	0%	0%	This activity is planned to start during Q1 2025	MS
	Activity 2.4.10: Installation of LED lamps and systems in participating hotels and municipalities and collection of replaced lamps	2025-03-31	0%	0%	This activity is planned to start during Q1 2025	MS
3 COMPONENT 3. Strengthened monitoring, verification and enforcement (MVE) for lighting product	Output 3.1: Legal framework for efficient lighting MVE is reviewed and strengthened	2024-03-31	33%	37%	The activities under this output have experienced delays. A consulting firm (CAMI) was hired early 2024 to undertake the work under this output..	MS
	Activity 3.1.1: Analysis of current legislation and definition of gaps and needs for improvement	2023-06-30	50%	55%	A consultancy firm was mandated in March 2024 to analyse current legislation and identify gaps and needs for improvement.	MS



Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
	Activity 3.1.2: Developing (or amending if need be current) legislation to include specific control procedure of lighting products (administrative flow, entities responsible for control, control methods, penalty regime, etc.)	2024-12-31	50%	55%	The consultancy firm CAMI was mandated in March 2024 to Draft (or amend if necessary existing) legislation to include a specific control procedure for lighting products (administrative flow, entities responsible for control methods, penalty regime, etc.).	MS
	Activity 3.1.3: Technical support for the official publication of the regulatory text (new or amended)	2024-03-31	0%	0%	This activity is tentatively expected to start in S1 2025, upon finalizing activities 3.1.1 and 3.1.2 above.	MS
	Output 3.2: Training is delivered to government authorities and customs administration on lighting market monitoring	2023-09-30	67%	100%	The training activities was completed by the end of 2023.	S
	Activity 3.2.1: Assess training needs of government authorities and customs administration on lighting market monitoring	2023-03-31	100%	100%	Final report on MVE mechanisms and practices assessment has been developed by U4E partner EVO and submitted to ANME in February 2023. The report is currently undergoing internal revision by ANME.	S
	Activity 3.2.2: Prepare training material	2023-06-30	100%	100%	TOR for MVE Capacity Building has been developed by U4E partner EVO and submitted to ANME in February 2023.	S
	Activity 3.2.3: Deliver training workshops on international best practices and monitoring, verification and enforcement practices that guarantee the compliance of MEPS and labels	2023-09-30	0%	100%	Training workshops on international best practices and monitoring, verification and enforcement practices that guarantee the compliance of MEPS and labels conducted in November 2023.	S
	Activity 3.2.4: A study tour for national officials on the benefits of energy efficient lighting is undertaken [NEW]	2023-06-30	0%	100%	A Tunisian delegation participation in an international congress "Pollutec" in Lyon, France, in October 2023, that	S

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					showcases innovative solutions to tackle the pressing issues of pollution, climate change, and energy management	
	Output 3.3: Testing capacities of the national lamp laboratories is strengthened through technical equipment of laboratories and staff qualification	2024-12-31	49%	55%	While some progress has been made under this output through the U4E technical support, the key activities related to this output are behind schedule. ANME and CETIME are now to initiate the procurement of the lab equipment.	MS
	Activity 3.3.1: Identify and assess technical, equipment, human and financial needs of CETIME to ensure a tailored update to current labeling and MEPS and preparation of technical assistance, training and procurement plan	2022-12-31	100%	100%	Laboratory assessment report on CETIME's technical, equipment and staff were developed by the International MVE Specialist Steven Coyne and submitted to ANME and CETIME. Exchange and technical assistance to the CETIME Lab for the definition of the facility's needs has been delivered by U4E throughout the 2nd semester of 2023. Several proposals were developed for the technical specifications of the different Lab equipment. Further follow up	S
	Activity 3.3.2: Procurement of laboratory equipment & instruments, installation and testing	2024-07-31	20%	30%	The International expert hired by U4E has finalised the specifications of the lab equipment. ANME has signed an agreement with CETIME to delegate to them the launch of the procurement procedure and the finalisation of the equipment acquisition process. CETIME launched the call for tenders to be completed in Q3 or Q4 2024.	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
	Activity 3.3.3: Capacity Building training and coaching for lab staff on test and measurement methods and utilization of newly installed equipment	2028-08-31	50%	70%	TOR for Capacity Building on Photometry to build testing capability in lighting product performance for energy efficient appliance regulation in Tunisia has been developed by International MVE expert and submitted to CETIME and ANME. The training was conducted in Q4 2023. Additional training will also be provided towards, once the equipment is delivered.	MS
	Activity 3.3.4: Conducting inter-comparison experiments	2025-03-31	75%	75%	Overseas Study Tour Programme for Photometric test Laboratories has taken place at Laboratoire National de Métrologie et d'Essais and LED Engineering Development (France) from 3rd to 7th October 2022. A total of 5 representatives from ANME and CETIME participated in the training. An article on the Study tour's outcome has been featured at U4E's website. Conducting inter-comparison experiments depends on the acquisition of the new equipment, since CETIME currently doesn't yet have the equipment needed to perform this exercise.	MS
	Activity 3.3.5: Technical assistance for lab international accreditation	2024-12-31	0%	0%	The activities under this output are now expected to start early 2025.	MS
	Output 3.4: Information strategy is implemented to help the private sector understand the requirements in complying with MEPS and labeling.	2024-12-31	0%	2%	A consultancy firm was mandated in March 2024 to design and elaborate an information strategy. The activities are	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					now planned to be completed early 2025.	
	Activity 3.4.1: Design and elaboration of an information strategy	2023-10-31	0%	10%	A consultancy firm was mandated in March 2024 to Design and elaboration of an information strategy	MU
	Activity 3.4.2: Design and development of register and a web site (MEPS requirements, labelling requirements, accredited retailers, accredited product, etc.)	2023-12-31	0%	0%	Work has been delayed. This activity is now planned to start during Q4 2024	MU
	Activity 3.4.3: Design and development of communication materials targeting the private sector (flyers, CD, etc.)	2024-02-28	0%	0%	Work has been delayed. This activity is planned to start during Q4 2024	MU
	Activity 3.4.4: Organization of information workshops and on-site communication actions targeting the private sector	2024-12-31	0%	0%	This activity is planned to start during Q4 2024	MS
4 COMPONENT 4. Environmentally sound management of efficient lighting products	Output 4.1: Lamp collection and recycling or disposal scheme for used lamps is designed and adopted	2023-12-31	75%	95%	Activities under this output have made good progress during the period under review, through the work of the International ESM Expert. It is now expected to be completed by the end of year 2024.	S
	Activity 4.1.1: Setting up a working group on the environmentally sound management of lighting products and hazardous material contained in lighting products	2022-11-30	100%	100%	The working group has been established in November 2022.	S
	Activity 4.1.2: Elaboration of a study on the feasibility assessment and on the design of a collection and recycling or disposal scheme for lighting products and hazardous material contained in lighting products	2023-03-31	100%	100%	Data gathering process to assess the current national collection and recycling system in Tunisia has been concluded with a technical mission from U4E International ESM expert, Ignacio Duque. The mission included the visit to three (3) WEEE collection and recycling plants in Tunisia. All findings that justify the technical proposals will be	S

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					part of the corresponding reports.	
	Activity 4.1.3: Organization of a consultation workshop on the study results	2023-06-30	50%	100%	A consultative workshop between ANME and ANGED took place during the technical mission to Tunisia on 29th, 30th and 31st May 2023, to discuss findings from the assessment, current situation and plans ahead from the country in terms of a collection and recycling system and meetings with other national stakeholders.	S
	Activity 4.1.4: Proposal of a collection and recycling or disposal scheme based on study results and workshop inputs for adoption by the Ministry of environment and proposal of a regulatory text based on study results for financing the environmentally sound management of lighting products and hazardous material contained in lighting products	2023-12-31	50%	75%	Approval by ANME and ANGED of document on Logistics key elements for the collection and recycling/ final disposal of lamps by International ESM expert. The Operative ESM report is now expected to be completed in Q4 2024.	MS
	Output 4.2: National legislation on environmentally sound management of lighting products and hazardous material contained in lighting products is developed	2023-12-31	67%	87%	Good progress was made during the period under review, through the work of the International ESM Expert. The regulatory text will be finalized in the next reporting period.	S
	Activity 4.2.1: Conduction of a detailed study on the review of the current legislation and development of legal framework for the environmentally sound management of lighting products at end of life and standards for maximum levels of mercury	2023-03-31	100%	100%	Data gathering process to assess the current collection and recycling system in Tunisia has been concluded. All findings that justify the technical proposals will be part of the corresponding reports.	S
	Activity 4.2.2: Organization of a consultation workshop on the study results	2023-06-30	50%	100%	A consultative workshop between ANME and ANGED took place during the technical	S

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					mission to Tunis on 29th, 30th and 31st May 2023, to discuss findings from the assessment, current situation and plans ahead from the country in terms of a collection and recycling system and meetings with other national stakeholders.	
	Activity 4.2.3: Support to ANME and ANGED in the preparation of a new regulatory text or amending of existing one based on study results and workshop inputs and technical support for the official publication of the (new or amended) regulatory text	2023-12-31	50%	60%	Development report on Legal Environmental Sound Management aspects for Extended Producers Responsibility Scheme for Electric and Electronic Equipment in Tunisia by International ESM expert, which has been submitted to ANME and ANGED for review. Recruitment of national ESM expert underway to support monitoring and consultations	MS
	Output 4.3: Training is delivered to government authorities, retailers and collectors	2023-12-31	50%	57%	The activities under this output have experienced delays.	MS
	Activity 4.3.1: Assess training needs of government authorities, retailers and collectors	2023-08-31	50%	60%	Training needs are being assess in parallel with the ESM Legal and Operational assessments from activities 4.1.2 and 4.2.1To date, the topics of 'Extended Producers Responsibility', 'Ecologically Rational Management of Lamps' and 'Elements for the definition of the used lamp management model', have been identified as a key aspect to provide Capacity Building. Further training and technical assistance shall be provided to the end	MS

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					of the project upon request from ANME. Recruitment of the national ESM expert underway to support the finalisation of this activity	
	Activity 4.3.2: Prepare training material and technical guidebooks	2023-10-31	50%	60%	Training material on the topics of Extended Producers Responsibility, Ecologically Rational Management of Lamps and Elements for the definition of the used lamp management model have been developed by U4E International ESM expert. Recruitment of the national ESM expert underway to support the finalisation of this activity.	MS
	Activity 4.3.3: Deliver training workshops on international experiences on environmentally sound management of lighting products, regulatory requirements, and the developed scheme on lamp collection and recycling or disposal	2023-12-31	50%	50%	First ESM training session on Extended Producers Responsibility was delivered by U4E International ESM expert to ANME, ANGED, representatives of the Ministry of Interior (Municipalities), Ministry of Finance, Ministry of Industry, Ministry of Commerce and local lighting manufacturers on 31st May 2023. Recruitment of the national ESM expert underway to support the finalisation of this activity. The PMU will need to encourage the participation of women in the trainings, to reach the 30% target.	MS

The Task Manager will decide on the relevant level of disaggregation (i.e. either at the output or activity level).

## 4 Risks

### 4.1 Table A. Project management Risk

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

Risk Factor	EA Rating	TM Rating
1 Management structure - Roles and responsibilities	Low	Low
2 Governance structure - Oversight	Low	Moderate
3 Implementation schedule	Low	Moderate
4 Budget	Low	Low
5 Financial Management	Low	Low
6 Reporting	Low	Low
7 Capacity to deliver	Low	Low

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

#### Implementation Status (Current PIR)

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.

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
Low degree of collaboration between different actors and lack of willingness among stakeholders to collaborate/contribute	All	M	N/A	M	M	L	L	L	=	All technical working groups have been established in year 2022. ANME shared the list of members / representatives for the 4 technical working groups with UNEP in November 2022.



Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
Risk of policy implementation or enforcement	Outcomes 1 and 3	M	N/A	N/A	N/A	N/A	M	M	↑	The different policy (MPES and labelling) or regulatory (MVE framework) documents planned as part of this project have not been fully finalized yet. Given that the project is expected to be completed in March 2025, this is a risk.
Risk of non-operationalization of the designed financial mechanism	Outcome 2	M	N/A	N/A	N/A	N/A	N/A	N/A	=	The implementation of project activities in relation to the financial mechanisms (output 2.2) is still to start. It is therefore not possible to assess this risk yet.
Risk of negative public perception toward LED lighting technology	All	L	N/A	N/A	L	L	L	L	=	At this stage there is no sign of negative perception regarding LED products in Tunisia.
The co-financing contributions may be delayed causing a delay or unsuccessful delivery of the project results	All	M	N/A	N/A	L	L	M	M	↑	The tendering process related to the 4 million LED lamps to be purchased and distributed by the government of Tunisia has been delayed. Only a 1st batch of 400.000 LED has been procured and distributed at this stage. There is a risk the total grant co-finance contribution of USD 13 million may not materialize before the end of the project. See the dedicated 2024 PIR risk on this matter, further down.
Resistance against. or lack of interest in. the project activities from stakeholders.	All	L	N/A	N/A	N/A	L	L	L	=	UNEP Tunisia has hired a Gender Expert early 2024 to support with the

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
especially with regard to the active promotion of gender equality.										enforcement of the Gender Action Plan.
Lack of interest from women and / or lack of qualified female personnel to participate in the project	All	M	N/A	L	L	L	L	L	=	Women have actively participated in the project events organized so far (PSC meetings. trainings. workshops. etc.)
Risk if environmental problem related to spent lamps management	Outcome 4	L	N/A	N/A	N/A	L	L	L	=	The implementation of the project's substantive activities in relation the environmental management of used lighting products (component 4) is well underway. These activities will provide the basis for environmentally sound management of used lamps.
Stakeholder consultations: Challenges / implications of the MEPS and other policies for stakeholders on the individual (cultural. financial and information gaps. fitting/replacing the existing layouts). private sector (production capacity. distribution network and profitability). and policy levels (production. recycling. regulations. policy inconsistencies across laws. strategies. fiscal and economic approaches).	All	M	N/A	N/A	L	L	L	L	=	Stakeholder consultations have taken place in relation to the development of the MEPS. including with national institutions (ANME. CETIME and ANGED) and the private sector. However, over the last few months of the project, ANME and UNDP Tunisia will engage into more frequent consultations with national stakeholders.
SS 2: Resource Efficiency. Pollution Prevention and Management of Chemicals and Wastes Sound management of hazardous waste: a functioning and efficient waste management system is often	Outcome 4	M	N/A	N/A	N/A	L	L	L	=	An important part of these policy discussions will be the implications related to collection and disposal of used lamps. Component 4 is precisely designed to address this issue in a

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
expensive and requires adequate capacity building. Management of waste from the old light bulbs. including mercury. as well as the LED bulbs and lamps require careful management. monitoring and reporting. Training and support should be provided to those who are in charge of disposing the harmful materials or those who change the lamps.										comprehensive way. through legislation and capacity building with government officials and other relevant stakeholders. Refer to further details in the Environmental Safeguards section of the PIR.
SS 9: Economic Sustainability Taxation / financial mechanisms: rolling out of fiscal and technology support should be based on understanding of the needs. responsibilities and constraints of diverse international private sector and government ministries and consumers. especially the poor. local SMEs and certain population groups (based on region. types of industries involved. urban vs. rural groups and so on).	Outcome 2	M	N/A	N/A	N/A	N/A	N/A	N/A	=	The financial mechanisms that will be introduced as part of the project have been designed and calibrated by the government to respond to different stakeholder groups. Low income households will receive bulbs free. the hotel sector will have a subsidy. and middle-income groups will be targeted through the financial scheme. The conceptualization of these ideas has started prior to the project as part of a broader policy implementation by the government and will continue after the end of the project. The project will support the roll out and implementation of this phase and the lessons will be used by the government in the future. Component 2 is precisely about this. Note: Since the work on financial

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
										mechanisms will start in the 2nd semester of year 2024. this safeguard measure has not been implemented yet. but will be considered over the next few months as the ANME. UNEP Tunisia and U4E start implementing the activities under Component 2.
2022 risk: The low level of collaboration from national stakeholders / institutions poses a risk to proper implementation of project activities and to the institutionalization and ownership of project results. as well as their sustainability over time	All				L	L	M	M	↑	All technical working groups have been established in year 2022. ANME shared the list of members / representatives for the 4 technical working groups with UNEP in November 2022. However, this risk has been identified as persistent as part of the Mid Term Review currently being conducted. ANME and UNDP Tunisia will need to take measures to further strengthen national stakeholders involvement in the project.
2022 risk: ANME is not able to hire national experts nor to contract service providers. companies or NGOs due to very challenging national procurement processes and rules	All				M	L	L	L	↓	Part of the project execution has now been transferred to UNDP Tunisia. which has the ability to hire national experts and service providers. Activity implementation will gain momentum in the 2nd semester of 2024.
2023 risk: Delayed procurement of the laboratory equipment						M	M	M	=	This risk still persists. While CETIME and ANME succeed to finalise the equipment specifications with U4E

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
										support, the lab equipment has not been procured yet. A convention has been signed between ANME and CETIME to delegate the equipment acquisition to CETIEME. CETIME launched the tendering process of the lab equipment and is finalising the selection of a bidder who will deliver the equipment before the end of year 2024.
New risks identified in the 2024 PIR										
Delays in the implementation of key project activities may detrimentally affect the project's ability to meet the expected outcomes by project completion	All	N/A	N/A	N/A	N/A	N/A	N/A	M	M	Over the past reporting period, the project has experienced significant delays in implementing the activities under a number of outputs. It is likely some of the key project outputs will not be delivered by the planned technical completion date of 31 March 2025. This will affect the project's ability to meet some of the expected outcomes and targets. This risk is related to the Moderate risk category on "Implementation schedule" identified in section 4.1 above.
Lack of engagement of national stakeholders could lead to low buy-in / ownership of the project's products, impacting sustainability of its results over time		N/A	N/A	N/A	N/A	N/A	N/A	M	M	One of the preliminary findings of the project's Mid Term Review was the weak engagement of national stakeholders and limited

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
										participatory approach in project implementation. This poses a risk to national ownership and sustainability of project results over time.
The delays experienced in the LED distribution programme may lead to the government of Tunisia project not meeting its co-finance commitments and an underachievement of the project's targets.		N/A	N/A	N/A	N/A	N/A	M	M		The tendering process related to the 4 million LED lamps to be purchased and distributed by the government of Tunisia has been delayed. Only a 1st batch of 400.000 LED has been procured and distributed at this stage. There is a risk the total grant co-finance contribution of USD 13 million may not materialize before the end of the project.
Overall project risk rating		N/A	S	M	S	L	M	M	↑	The project has been rated at Moderate risk.

### 4.3 Table C. Outstanding Moderate, Significant, and High risks

Additional mitigation measures for the next periods

Risk	Actions decided during the previous reporting instance (PIRt-1, MTR, etc.)	Actions effectively undertaken this reporting period	What	When	By Whom
Risks from the 2022 PIR					
Given the significant delay incurred by the project since the CEO Endorsement Document was approved by the GEF (11 April 2018), it is possible that some of the project's baseline situation and end-of-project targets (Annex A of the CEO Endorsement Document) could now be outdated / obsolete.	Action 1 [2023]: ANME to share updated baseline and targets with UNEP for review	The market study has been completed, but updated baseline data and revised targets have not been shared with UNEP yet.	Action 1 [2024]: ANME and UNDP Tunisia to share updated baseline and targets with UNEP for review	30 September 2024	ANME / UNDP Tunisia
			Action 2 [2024]: a final market study of lighting products market share will need to be conducted in year 2025 to assess the evolution of the lighting market since project start. This will allow ANME and UNDP Tunisia to report on Indicator / Target C of the project results framework. The final market study	31 December 2025, latest	ANME / UNDP Tunisia

Risk	Actions decided during the previous reporting instance (PIRt-1, MTR, etc.)	Actions effectively undertaken this reporting period	What	When	By Whom
			report will need to be shared with UNEP before the end of year 2025.		
Risks from the 2023 PIR					
Delayed procurement of the laboratory equipment	Action 2 [2023]: CETIME and ANME CETIME to make a final decision on the laboratory equipment specifications, in particular the goniometer before end of September 2023.	Not fully undertaken yet. At the time of the PIR, the ANME and CETIME have to make a final decision on the lab equipment items to be procured with the GEF funding.	Action 3 [2024]: ANME and CETIME should make a final decision on the lab equipment items to be procured with the GEF funding by mid October 2024, and communicate it to UNEP by email.	15 October 2024, latest	ANME / CETIME
	Action 3 [2023]: ANME will sign a convention with CETIME to delegate the equipment acquisition to them. CETIME will launch the tendering process of the lab equipment before end of November 2023.	The agreement was signed. Action cleared.	N/A		
	Action 4 [2024]: CETIME / ANME to select a bidder a place an order for the equipment before the end of year 2023.	Action not undertaken yet.	Action 4 [2024]: CETIME will aim to select a bidder and award the contract before the end of November 2024.	30 November 2024, latest	CETIME
New risks identified in the 2024 PIR					
Delays in the			Action 5 [2024]: ANME and	15 October 2024, latest	ANME / UNDP Tunisia



Risk	Actions decided during the previous reporting instance (PIRt-1, MTR, etc.)	Actions effectively undertaken this reporting period	What	When	By Whom
Implementation of key project activities may detrimentally affect the project's ability to meet the expected outcomes by project completion			UNDP Tunisia will prepare a workplan / budget revision to update the expected completion dates of all remaining activities / outputs. The workplan revision will include a critical path analysis to determine the new technical completion date of the project. A draft of the workplan / budget revisions should be shared with UNEP for review / approval by 15 October 2024.		
			Action 6 [2024]: once the workplan / budget revision is cleared, ANME, UNDP Tunisia and UNEP will work on a formal project revision, to amend the legal agreements with the new technical completion date. The new legal agreements should be approved by end of November.	30 November 2024	ANME / UNDP Tunisia / UNEP
Lack of engagement of national stakeholders could			Action 7 [2024]: Between now and project	By 30 of September 2024	ANME / UNDP Tunisia

Risk	Actions decided during the previous reporting instance (PIRt-1, MTR, etc.)	Actions effectively undertaken this reporting period	What	When	By Whom
lead to low buy-in / ownership of the project's products, impacting sustainability of its results over time			completion, ANME and UNDP Tunisia will need to organize PSC meetings every quarter (i.e. 4 per year) to ensure better and more frequent stakeholder engagement. UNEP will participate either virtually or in person to those PSC meeting. ANME and UNDP Tunisia to prepare and share with UNEP by end of September a timetable with indicative dates of the next PSC meetings to be organized until project completion.		
The delays experienced in the LED distribution programme may lead to the government of Tunisia project not meeting its co-finance commitments and an under achievement of the project's targets.			Action 8 [2024]: ANME will prepare and share with UNEP a timetable with milestones for the different steps of the procurement of the remaining LED batches, as well as a planning for the distribution of LEDs to beneficiaries.	By 15 October 2024	ANME
			Action 8 [2024]: ANME will send a monthly report (1	Every month, until project completion	ANME

Risk	Actions decided during the previous reporting instance (PIRt-1, MTR, etc.)	Actions effectively undertaken this reporting period	What	When	By Whom
			page) to UNEP on the progress of the LEDs procurement and distribution, including the challenges that may be faced and solutions proposed to accelerate the procurement of LED batches and the distribution campaign.		

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.

## 5 Amendment - GeoSpatial

### 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

#### 5.1 Table A: Listing of all Minor Amendment (TM)

Minor Amendments	Changes
Results Framework:	No
Components and Cost:	Yes
Institutional and implementation arrangements:	Yes
Financial Management:	No
Implementation Schedule:	
Executing Entity:	No
Executing Entity Category:	No
Minor project objective change:	No
Safeguards:	No
Risk analysis:	No
Increase of GEF financing up to 5%:	No
Location of project activity:	No
Other:	No

Minor amendments

**Component and costs** given its challenges to hire national experts, contractors and service providers, the ANME had to delegate to UNDP Tunisia the responsibility to handle part of the project budget to execute certain activities. This associated revision to the project budget was approved in May 2023.

**Institutional and implementation arrangements** given its challenges to hire national experts, contractors and service providers, the ANME had to delegate to UNDP Tunisia the responsibility to handle certain activities of the project. ANME however remains the Lead Executing Agency for the project. This adjustment to the implementation arrangements was formalized / approved in May 2023.

**Implementation schedule:** given the delays incurred by the project due to administrative challenges for ANME to hire national experts, contractors and services providers, a workplan revision was prepared and approved in May 2023, extending the project’s technical completion date to 31 March 2025 (rev 4). However, given the additional delays incurred in some of the remaining project activities, and based on preliminary recommendations from the Mid-Term Review, the project will likely have to be further extended beyond the month of March 2025 to ensure it meets its targets.

## 5.2 Table B: History of project revisions and/or extensions (TM)

Version	Type	Signed/Approved by UNEP	Entry Into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
Original legal instrument		2019-05-28	2019-06-03	2023-10-31	
Revision 1	Revision	2019-05-28	2019-06-03	2023-10-31	To factor in the ANME’s request for targeted technical support from U4E for a total budget of US\$ 582.000.
Revision 2	Extension	2021-08-19	2021-08-25	2025-03-31	Extension of the project’s technical completion date to 31 March 2024 to factor in the ANME’s delay in setting up the Project Management Unit. hiring the Project Manager and officially kicking off the project.
Revision 3	Revision	2022-02-22	2022-02-22	2025-03-31	Budget rev 3 to re-phase the unspent funds for the Years 2022. 2023 & 2024 and workplan rev 2 to re-organize activity timelines due to delays

Version	Type	Signed/Approved by UNEP	Entry Into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
					in activity implementation (Covid-19 + lengthy procurement processes).
Revision 4	Amendment & Extension	2023-05-24	2023-05-25	2026-03-31	Inclusion of the UN to UN Agreement with UNDP Tunisia and extension of the technical completion date to 31 March 2025.

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 or GeoNames 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	Latitude	Longitude	GEO Name ID	Location Description	Activity Description
Tunis. Tunisia	36.791172	10.233765	2464461		
Djerba. Tunisia	33.773391	10.885904	2470181		

Please provide any further geo-referenced information and map where the project interventions is taking place as appropriate. \*

N/A

[Annex any linked geospatial file]