



ADAPTATION FUND

AFB/B.31-32/1  
12 April 2018

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Adaptation Fund Board

**REQUEST FOR EXTENSION OF PROGRAMME  
COMPLETION DATE: UNDP (MAURITIUS)**

## Background

1. The Adaptation Fund Board (the Board) at its fifteenth meeting, approved a five-year programme titled “Climate Change Adaptation Programme in the Coastal Zone of Mauritius” submitted by the United Nations Development Programme (UNDP) for a request amount of US\$ 9,119,240 (decision B.15/19). The overall objective of the programme is to increase climate resilience of communities and livelihoods in coastal areas in Mauritius (all islands), through the following programme components: i) Application of adaptation measures to protect currently vulnerable coastal ecosystem and community features (at three priority sites on the island of Mauritius); ii) Development and implementation of an early warning system for incoming surge on ROM; iii) Training to promote compliance with climate-proofed planning, design, and location guidelines; iv) Policy mainstreaming; and, v) Knowledge dissemination and management. As mandated by the decision, an agreement was prepared and signed between the Board and UNDP.
2. The first tranche of disbursement for the implementation of the programme was released following signature of the agreement in November 2011. The first programme performance report (PPR) for the project was submitted in April 2014 and cleared by the Adaptation Fund Board Secretariat (the secretariat) in May. The second, third and fourth PPRs were cleared by the secretariat in January 2015, November 2015 and November 2017, respectively. As of March 2018, a total amount of US\$ 6,593,941 had been disbursed to the programme by the Board’s Trustee (corresponding to 72% of the total programme funding). The programme went through a mid-term evaluation (MTE) process, with a MTE report finalized in September 2015.
3. This is the second request for an extension of the programme completion date. The expected completion date of the programme, following decision B.23-24/5, is August 2018.
4. As outlined in the Adaptation Fund projects/programmes delay policy, a request for an extension of project/programme completion date should be submitted by the implementing entity at least six months prior to the official completion date. UNDP had submitted on 6 February 2018 such request for an extension of the completion date until August 2019 through the secretariat, hence in accordance with the projects/programmes delay policy.
5. The request, for an extension of 12 months of the completion date, is annexed to the present document.
6. The reasons for the request include the fact that the programme, according to the request submitted by UNDP and by the Executing Entity, has experienced delays due to: i) Lengthy discussions in place on the design and approval of the tenders for the adaptation measures for coastal protection in Mon Choisy; ii) Complex Government procurement processes; and iii) The international bids that the Government of Mauritius will launch in view of the complexity and innovative adaptive approaches to be undertaken, that are expected to take longer time than planned. Additionally, as expressed in the extension request submitted by UNDP, the procurement processes undertaken resulted in an estimated USD 1.5 million savings. The request notes that it has been agreed by the participating Executing Entity (EE) and the Designated Authority has been notified.

7. According to UNDP and to the Ministry of Social Security, National Solidarity and Environment and Sustainable Development (EE), the requested extension of the completion date, would allow to:

- Ensure the smooth implementation of the coastal adaptation works (installation of artificial reefs, beach re-profiling, installation of fixed mooring buoys, and seagrass plantation) at Mon Choisy (project component 1). It is noted that bids are expected to be awarded by May 2018 and the construction period shall last 15 months, as reflected both in the extension request and revised annual work plan submitted by UNDP;
- Extend the Early Warning System for Storm Surges (component 2), to include the wave component and wave run-up inland;
- Further enhance the environment and increased adaptive capacity (output 1.3), complementing the Construction of a Refugee Centre, with offsite works, comprising an upgrade of the existing drainage system and the improvement of the access leading to the Refugee Centre, to ease communities' evacuation during a crisis; and
- Set this new adaptation technology (measures under the coastal adaptation works), as a potential for replication in other vulnerable coastal zones of Mauritius and other SIDS.

### **Secretariat's review of the request**

8. Following a review of the request, the secretariat finds that given the delays incurred due to the aforementioned issues, the request of a 12-month extension is justified. This will give the opportunity to achieve a greater impact through investing the savings which resulted from the procurement procedures in additional activities to ensure sustainability of the project's outcomes and will lead to a reduced exposure to climate hazards for a larger community. It is noted that, the additional offsite works to further enhance the environment of the Refugee Centre (under outcome 1), are stemming from the simulation drill exercise conducted as part of the DRR mechanisms, and thus in line with communities' expectations. Furthermore, these additional works are compliant with the Environmental and Social Policy (ESP) of the Fund. Finally, the request submitted by UNDP entails a budget reallocation within the budget saving, which results in a \$ 295,000 execution costs increase. The new programme execution costs amount to \$ 709,336 (presenting a programme execution fee of 8,4%), thus in line with the standards set in the Adaptation Fund OPG annex 5, amended on October 2017.

9. Lastly, the secretariat acknowledges that this no-cost programme extension request has been agreed by the Executing Entity and the Designated Authority has been notified, in accordance with the Adaptation Fund Policy for Project/Programme Delays.

### **Recommendation**

10. Therefore, the Board may consider and decide to approve the request for a 12-month extension of the project completion date for the programme "*Climate Change Adaptation Programme in the Coastal Zone of Mauritius*" as requested by the United Nations Development Programme (UNDP), from August 2018 to August 2019.

### **Annex**

1. Request for an extension of the programme completion date from UNDP;

2. Request for extension of the programme completion date from the Ministry of Social Security, National Solidarity and Environment and Sustainable Development, that is the programme's Executing Entity; and
3. Programme extension workplan.

**Annex I: Request for an extension of the programme completion date from UNDP***Request for extension of project/programme completion date*

|   |  |  |                |
|---|--|--|----------------|
| <b>AF Project/programme ID: 000 80227</b>   |  |  |                |
| <b>Project/programme Title:</b><br>Climate Change Adaptation Programme in the Coastal Zone of Mauritius |  |  |                |
| <b>Country:</b> Mauritius   |  |  |                |
| <b>Project/Programme Approval (date)</b>  | 14 November 2011 (AFB Fifteenth Meeting)<br>AFB/B.15/8 |  |                |
| <b>Expected Project/programme Completion (date)</b>   | 30 August 2018   | <b>Proposed Revised Completion (date):</b> | 30 August 2019 |

*Reasons/justifications for the extension of project/programme completion:*

Most of the activities stipulated in the Adaptation Fund Project Document have been completed, as detailed below:

| <b>Outcome 1: Application of Adaptation Measures for Coastal Protection</b> | <b>Status</b>   |
|---|---|
| Construction of Refuge Centre at Quatre Soeurs                              | Completed   |
| Coastal Adaptation Works at Riviere des Galets                              | Completion-50 %   |
| Coastal Adaptation Works at Mon Choisy                                      | <b>Delayed</b>  |
|   |   |
| <b>Outcome 2: Early Warning System</b>                                      | Completed & fully operational<br><br>100% budget achieved     |
|   |   |
| <b>Outcome 3: Training</b>  | Completed<br><br>(100% Output Target Achieved)                |
|   |   |
| <b>Outcome 4: Policy Mainstreaming</b>                                      | 80% Completed<br><br>Final Report scheduled for February 2018 |
|   |   |

|  |                               |                            |                              |
|--|-------------------------------|----------------------------|------------------------------|
| <b>Outcome 5: Knowledge Dissemination &amp; Management</b>   | Completed                     |                            |                              |
| <p>The 1<sup>st</sup> extension of time granted has enabled the executing agency 'Ministry of Environment and Sustainable Development' to substantially complete the Construction of the Refuge Centre under Component 1, as well as, Coastal Adaptation Works at Riviere des Galets scheduled to be completed by June 2018. These 2 projects actually constitute a major portion of the financial delivery within the Adaptation Fund Project.</p>  |                               |                            |                              |
| <p><b><i>Reasons/justifications for the extension of project/programme completion</i></b></p>  |                               |                            |                              |
| <p>1. The coastal adaptation works for Mon Choisy (<b>Component 1</b>) has been delayed in view the extended discussions on the design of the Mon Choisy works, and hence approvals on the tenders for the works also took longer. The initial design submitted warranted a design review by UNDP &amp; Ministry to ensure technical soundness of structural measures and appointment of a Procurement Expert/local Engineer by the international consultant in view of preparation of bid document for coastal adaptation works at Mon Choisy which is up to the standard required for launching In addition, the lengthy and complex Government procurement process have also contributed in delays in the execution of works.</p> |                               |                            |                              |
| <p>As the proposed works are innovative and complex in nature, the Government of Mauritius will launch international bids and this is expected to take longer than planned. It should also be noted that certain delays occurred due to the political situation which resulted in delays in approval of the final design by the Ministry.</p>  |                               |                            |                              |
| <p>The Adaptation Fund Project at Mon Choisy also constitutes of eco-system based adaptation components to improve the natural resource assets including seagrass restoration. This project has been crafted following a deep analysis of the vulnerability on impacts of climate change to increase the adaptive capacity of our tourism sector and build resilient beaches which remains one of the main natural assets and pillar of our economy. Based on the procurement procedures it is expected to award bids for Mon Choisy on/or around May 2018 and the construction period shall be approx. 15 months.</p>   |                               |                            |                              |
| <p>In the above circumstances, we are hereby proposing a 1 Year extension of the project period to enable the implementation of the Mon Choisy Project. It is viewed that this undertaking would contribute largely in bringing new technology, and has a high potential for replication in other vulnerable coastal zones of Mauritius and may serve as lessons learnt for other SIDs.</p>  |                               |                            |                              |
| <p>Additionally, the executing agency upon consultation with the implementation agency, the UNDP CO, express its interest in achieving a greater impact through investing the savings in further activities intrinsically linked to the objectives of the Adaptation Fund Project.</p>   |                               |                            |                              |
| <p>2. The various components implemented to date under the Adaptation Fund Project have been effected in line with the established procurement procedures, and resulted in an estimated USD 1.5 Million savings. The table below depicts the estimated cost (as stipulated) in the Project document, the actual cost following the bidding process and the estimated savings:</p>  |                               |                            |                              |
| <b>Project</b>   | <b>Estimated Cost<br/>USD</b> | <b>Actual Cost<br/>USD</b> | <b>Actual Saving<br/>USD</b> |

|                                    |           |         |                  |
|------------------------------------|-----------|---------|------------------|
| Output 1.3 Riviere des Galets      | 2,000,000 | 765,000 | 1,235,000        |
| Output 2.2 Early Warning System    | 310,365   | 265,365 | 45,000           |
| Output 3.2 Training                | 394,025   | 294,025 | 100,000          |
| Output 5.1 Knowledge Dissemination | 320,000   | 200,000 | <u>120,000</u>   |
| <b>Total Estimated Savings</b>     |           |         | <b>1,500,000</b> |

The proposed extension will thus enable the Ministry to use the savings to achieve a greater impact in increasing resiliency of the island state Mauritius. According to the latest World Risk Report, Mauritius is ranked 7<sup>th</sup> among the 15 most exposed countries worldwide and 13<sup>th</sup> most at risk worldwide.

In this vein, the following activities under the respective Outputs are a continuity to the actions already implemented under the Adaptation Fund Project:

### **Achieving greater impact**

**Output 2.2.** Extension of the Early Warning System for Storm Surges (**Component 2**) to include the wave component and wave run-up inland. This initiative is in line with the national objective to migrate towards an impact based forecasting by the Mauritius Meteorological Services (MMS). This extension of the initial scope (whereby 100% target has been achieved) will lead to a reduced exposure for a larger community to climate related hazards in particular storm surges. It is also intended through this extension to strengthen the capacity at national level (of the MMS staff and other relevant institutions).

**Estimated Cost: USD 230,000**

**Output 1.3.** Implementation of Phase II of the Construction of a Refuge Centre Project (**Component 1**) which is completed. As opposed to the retrofitting of an existing building, a new and dedicated Refuge Centre on higher grounds has been built with a higher capacity and safer location. This building, first in its kind for small Island developing states is expected to contribute in ensuring a safety haven for the exposed communities. The Phase II of the works constitutes offsite works to further enhance the environment with increased adaptive capacity. The work component comprises of:

- (i) Upgrading of the existing drainage system
- (ii) Improvement of access leading to the Refuge Centre to ease evacuation of communities at risk during crisis situation.

These proposals emanated during the simulation drill exercise conducted in the context of our disaster risk reduction mechanism. It is noted that the additional works namely drainage works and asphaltting an existing road/access do not require an ESIA under Mauritian Law.

**Estimated Cost: USD 395,000**

### **2c. Project Execution Costs**

The proposed extension (August 18-August 19) will require budget re-allocation within the budget savings in view to enabling to meet the project management costs during the extended period. In addition, evaluation and audit costs will also be met from this budget.

**Estimated Budget: USD 295,000****Budget utilization summary 2018-2019**Outcome 1: Application of Adaptation measures for Coastal Protection

Output 1.3: Coastal Adaptation Works at Mon Choisy (Part I) Installation of Artificial Reefs, Beach Re-profiling, Groyne Removal- USD 2,229,198

Output 1.3: Coastal Adaptation Works at Mon Choisy (Part II) Installation of Fixed Mooring Buoys, Seagrass Plantation and establishment of a VMCA-USD 850,000

Output 1.3: Extension of Refuge Centre Project (Phase II)-USD 395,000

Outcome 2: Early Warning System for Storm Surge for the Republic of Mauritius

Output 2.2: Extension of Early Warning System for Storm Surge to include wave run-up-USD 230,000

Project Execution Costs-USD 209,336

*Implementing Entity certification*

This request has been prepared in accordance with Adaptation Fund policies and procedures, has been agreed by participating executing entities, and the designated authority (DA) has been notified.

*Adriana Dinu  
Director, Sustainable Development (Environment) a.i.  
Executive Coordinator, Global Environmental Finance*

Project/Programme contact person: Srilata Kammila, UNDP GEF Regional Technical Adviser

Date: 8/3/2018

Tel. and Email: [srilata.kammila@undp.org](mailto:srilata.kammila@undp.org)



## Annex II: Request for extension of the programme completion date from the Ministry of Social Security, National Solidarity and Environment and Sustainable Development

In reply please quote:

ENV/CLI/FUND/KYOTO/V10



**Ms. Christine N. Umutoni**  
**UNDP Resident Representative**  
**6th Floor, Anglo Mauritius House**  
**Port Louis**

**Ministry of Social Security, National Solidarity and Environment and Sustainable Development**  
 Department of Environment  
 2nd Floor, Ken Lee Tower  
 Barracks Street  
 Port Louis  
 Tel : 212 8992  
 Fax: 208 8058

**02 February 2018**

Dear Ms. Christine,

### **Request for extension of project completion date of Project-Climate Change Adaptation Programme in the Coastal Zone of Mauritius**

The Ministry of Social Security, National Solidarity and Environment and Sustainable Development hereby recommends that UNDP submits a formal request to the Adaptation Fund Secretariat a request for extension of the above project completion date by one year.

The Government of Mauritius is grateful for the fruitful development partnership established with UNDP and the Adaptation Fund. The extension of this project is highly important in view of increasing resiliency of the island state Mauritius. The various components implemented to date under the Adaptation Fund Project have contributed largely towards building the adaptive capacity at community and national level.

The first extension of time granted has enabled the executing agency 'Ministry of Environment and Sustainable Development' to substantially complete major infrastructure works in compliance with the project document. The status of implementation of the outputs are as follows:

|        |  |                         |
|--------|--|-------------------------|
| (i)    | Construction of Refuge Centre at Quatre Soeurs | Completed               |
| (ii)   | Mangroves Plantation and Sensitisation         | Completed               |
| (iii)  | Coastal Adaptation Works at Riviere des Galets | Completion in June 2018 |
| (iv)   | Coastal Adaptation Works at Mon Choisy         | <b>Delayed</b>          |
| (v)    | Early Warning System for Storm Surge           | Completed               |
| (vi)   | Training and Capacity Building                 | Completed               |
| (vii)  | Policy Mainstreaming                           | Completion in May 2018  |
| (viii) | Knowledge Dissemination and Management         | Completed               |

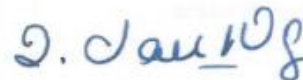
As regards the Mon Choisy project, it is further recommended to have recourse to an international bidding mode of procurement in view of its complexity and innovative adaptive approaches. This mode of procurement is expected to take slightly longer. The extension for the above project by one year will enable the smooth implementation of the project at Mon Choisy beach. It is viewed that this undertaking would contribute largely in bringing new technology in Mauritius and has a high potential for replication in other vulnerable coastal zones of Mauritius and may serve as a lessons learnt for other SIDs.

According to the latest World Risk Report, Mauritius is ranked 7<sup>th</sup> among the countries with highest exposure worldwide with respect to natural hazards and 13<sup>th</sup> with the highest risk worldwide. The executing agency upon consultation with the implementation agency, the UNDP, express its interest in achieving a greater impact through scaling up the current deliverables and investing in further activities intrinsically linked to the objectives of the Adaptation Fund Project.

Based on the remaining activities and available funds, the Ministry has approved the formal submission of a request for extension of project completion date by one year up to August 2019. A work plan and budget with respect to the request for extension of time is also attached.

It is hoped that the above request will be favourably considered and your early reply would oblige.

**Yours sincerely,**



**D.S.L. NG YUN WING**  
National Project Director  
Director of Environment  
Ministry of Social Security,  
National Solidarity and  
Environment and Sustainable  
Development

### Annex III: Programme extension workplan

| Project Cost - USD 9,119,240  | 2019 |        |     |     |         |     |     |        |     |     |         |     | Total (USD) |
|---|------|--------|-----|-----|---------|-----|-----|--------|-----|-----|---------|-----|-------------|
|   | Sep  | Oct    | Nov | Dec | Jan     | Feb | Mar | Apr    | May | Jun | Jul     | Aug |             |
| <b>Implementation Period (6 Yrs) - Aug 2012 to Aug 2018</b>   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| <b>Requested Extension Period (1 Year) - August 2018 to August 2019</b>   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| <b>Outcome 1: Application of Adaptation measures for Coastal Protection</b>   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| <b>Project 1: Coastal Adaptation Works at Mon Choisy (Part I) Installation of Artificial Reefs, Beach Re-profiling, Groyne Removal</b>                  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Approval of bid document by Central Procurement Board   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Launching of bids   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Bid Evaluation & Notifications  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Award of Contract for Works   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Site Mobilisation   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Construction works (12 Months)  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Procurement and Installation of Artificial Reef Units   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Beach Reprofilng Works  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Awareness raising and public information  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Defects Liability Period (12 Months)  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| <b>Sub-total</b>  |      | 500000 |     |     | 529198  |     |     | 550000 |     |     | 650000  |     | 2,229,198   |
| <b>Project 2: Coastal Adaptation Works at Mon Choisy (Part II) Installation of Fixed Mooring Buoys, Seagrass Plantation and establishment of a VMCA</b> |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Finalisation of bid document  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Launching of bids   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Bid Evaluation & Notifications  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Award of Contract for Works   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Works Implementation  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Implementation of eco-system based adaptation Measures including seagrass restoration   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Awareness raising and public information  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Fixing of Fixed Mooring Buoys   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| <b>Sub-total</b>  |      | 221416 |     |     | 221416  |     |     | 221416 |     |     | 271416  |     | 935,664     |
| <b>Project 3: Extension of Refuge Centre Project (Phase II)</b>   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Drafting of bid document  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Approval of Project Steering Committee  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Launching of bids   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Bid Evaluation & Notifications  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Award of Contract for Works   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Implementation of works, inc awareness event  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| <b>Sub-total</b>  |      | 90000  |     |     | 125000  |     |     | 110000 |     |     | 70000   |     | 395,000     |
| <b>Outcome 2: Early Warning System for Storm Surge for the Republic of Mauritius</b>  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| <b>Project 4: Extension of Early Warning System for Storm Surge to include wave run-up</b>  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Finalisation of Terms of Reference for consultancy services   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Approval of Project Steering Committee  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Launching of bids   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Bid Evaluation & Notifications  |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Award of Contract for Works   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| Consultancy Service for Extension of EWS to include wave run-up started (12 months)   |      |        |     |     |         |     |     |        |     |     |         |     |             |
| <b>Sub-total</b>  |      | 65000  |     |     | 65000   |     |     | 50000  |     |     | 50000   |     | 230,000     |
| <b>Project Execution Costs (including M&amp;E and audits)</b>   |      | 59633  |     |     | 59633   |     |     | 59634  |     |     | 30436   |     | 209,336     |
| <b>Grand Total</b>  |      | 936049 |     |     | 1000247 |     |     | 991050 |     |     | 1071852 |     | 3,999,198   |