

United Nations Development Programme / Government of Mauritius

**Terms of Reference for the Appointment of
National Financial Instruments/Extended Producer Responsibility (EPR) Consultant for the preparation
of the UNDP supported Full Sized Child Project proposal on Chemicals and Wastes under the GEF-7
“Mauritius – Environmentally Sound Management of Hazardous Wastes in Mauritius”**

TITLE: National Financial Instruments/Extended Producer Responsibility (EPR)
Consultant - PPG phase

SECTOR: Sustainable Development and Poverty Reduction

LOCATION: Republic of Mauritius

DUTY STATION: Home Based and UNDP Mauritius Country Office

DURATION: 25 working days

STARTING DATE: September 2019

END DATE: February 2021

A. Project title:

Program title: Implementing Sustainable Low and Non-Chemical Development in SIDS (ISLANDS)
Child Project Title: Mauritius – Environmentally Sound Management of Hazardous Wastes in Mauritius.

B. Project Description:

Due to their small size and narrow resource bases, Small Island Development States (SIDS) are import-dependent economies. On a per capita basis, waste generation in SIDS is rising. In 2014 it was slightly lower than in OECD countries (1.29 kg/capita/day, compared to 1.35 kg/capita/day), but as of 2019 is 2.3 kg/capita/day, 48% higher than that of OECD countries .

As SIDS progress import-dependent development pathways, the quantities and variety of products that are being imported (ranging from mercury containing thermometers to plastic [food] packaging, from second hand electronic products to motor vehicles, from agricultural chemicals to industrial chemicals) is rapidly increasing. This is leading to the generation of a large variety of different types of hazardous and toxic wastes which SIDS do not have the technical capacity or required treatment facilities to address

alone . Waste volumes are also increasing due to changing consumption patterns, and the disposal of these growing levels of imports of non-biodegradable materials. The disposal of non-biodegradable materials, and industrial and agricultural chemicals pose an increasing challenge.

The remoteness of the Indian Ocean SIDS makes the export and logistics of recyclables and hazardous wastes challenging and costly. The tourism sector and related job opportunities are important to the Indian Ocean SIDS economies but come with the challenges of increased waste volumes (in particular plastics), especially during tourism peak seasons. Waste management and recycling systems currently in place often cannot deal with the increase in supply/demand. In addition, the agricultural sector and health care sector also come with their challenges, as a significant number of products used in these sectors end up generating hazardous wastes and/or lead to chemical emissions to air, water and soil.

Priorities that are common among Indian Ocean SIDS and that will be addressed through the ISLANDS programme applying national and regional approaches, include:

- Improving import and export control of hazardous chemicals and products containing them;
- Implementing integrated national and regional waste management systems focusing on Municipal Solid Waste Management (MSWM), Health Care Waste Management (HCWM) and hazardous wastes (including PCBs, POPs containing products like e-waste, end-of-life vehicles, etc.);
- Building capacity for the assessment and introduction of safer/greener alternatives in supply chains (agriculture, tourism, health care);
- Reducing marine litter by reducing waste generation and improving waste management systems;
- Phasing-out Hg/POPs-containing products.

The main systemic challenges and associated drivers that pose environmental threats in the [country] are the following:

In Mauritius, hazardous wastes management remains a major issue of concern. One of the main challenges being the economic unviability of setting up treatment/disposal systems for certain hazardous waste streams as the volumes generated are too low, necessitating their export. However, export remains logistically complicated and costly, and a backing financial mechanism needs to be put in place to make this sustainable.

Opportunities for local recycling, treatment and disposal exist for hazardous waste streams such as waste oil, e-wastes and healthcare wastes (non-BAT decentralized incineration), but further improvements are required to reduce release of chemicals, including POPs and mercury. The disposal of end-of-life vehicles and POPs-containing materials also need to be addressed as the number of vehicles on the Mauritian roads keep increasing year-by-year.

In the agricultural sector heavy reliance on pesticides (herbicides, insecticides and fungicides) and the disposal of empty pesticide containers (often burned in the open) needs to be addressed. Mauritius' tourism sector and related job opportunities are extremely important to its economy but come with the challenges of increased waste volumes (in particular plastics) during peak tourism seasons. In addition other economic sectors such as manufacturing and Health use a significant number of products that end

up generating hazardous wastes and/or lead to chemical emissions to air, water and soil. Limited capacity for import control and assessment, and introduction of safer alternatives, are currently barriers that need to be addressed to improve the sound management of chemicals and wastes.

The Government of Mauritius is strategically well positioned to support the systemic transformation proposed by the ISLANDS programme. After the GEF-3 project #3205, the Ministry of Social Security, National Solidarity, and Environment and Sustainable Development made an investment (US\$ 7 million) to construct an interim hazardous waste storage facility which was completed in 2017, to facilitate the sound management and export of hazardous chemical wastes that cannot be treated in the country. Additional financing has been committed (US\$ 15 million, MoSSNSED, 2019-2024) to ensure the sound management of the Mare Chicose Municipal Solid Waste Landfill, and in cooperation with the new GEF project, will support waste separation at source, waste diversion and release reductions of CO₂ and UPOPs. The Ministry of Health and Quality of Life is prepared for financial commitments (2019-2024) to improve Health Care Waste Management Operations, while the National Environmental Laboratory will cover monitoring of U-POPs emissions and mercury releases. In the same period Ministry of Agro-Industry and Food Security will upscale a successful empty pesticide container management project from SGP. Mauritius also hosts a Regional Customs Officers Training Centre (WCO).

By implementing the 3 main axes of the ISLANDS programme (prevent, soundly manage and dispose), Mauritius aims to achieve the following Global Environment Benefits: Elimination of 5 tonnes of DDT; Release reduction of 560 – 1,120 kg of c-PBDE and up to 1 tonnes of PCBs/yr from e-waste/end-of-life vehicles (PCB coated cables, condensers, capacitors) by soundly managing 3,000 tons of POPs-containing e-waste; Avoid 0.9 tons of Hg emissions by phase-out of Hg-containing products; Reduce UPOPs releases from HCWM, MSWM and pesticide containers by 67 g-TEQ.

As one of the Implementing Agencies of the Global Environment Facility (GEF), UNDP is supporting developing countries to develop and implement projects aimed at such challenges and planned activities to overcome those in Mauritius as a part of a regional programme for the Indian Ocean, and, at a broader and global level, will coordinate work with the parent programme (PFD) and other regional programmes in the Asia-Pacific and Caribbean Oceans which will be managed by UN Environment as the lead GEF agency in partnerships with FAO, Inter-American Development Bank (IADB) and implementing partners such as the Basel Convention Regional Center for the Caribbean region and Secretariat of the Pacific Regional Environment (SPREP) for the Asia-Pacific region.

With this background, and in order to support such efforts of the Governments of Mauritius, Comoros, Maldives and Seychelles, UNDP in its capacity as the Implementing Agency for the GEF, requires the support of a national PPG Phase Technical Consultant. The Technical Consultant is requested to support the Project Preparation Grant (PPG) phase during which the detailed preparation of the country project in Mauritius.

C. Scope of Work

Under the guidance of the PPG National Technical consultant, the Financial Instruments/EPR consultant will help will act as an advisor and technical resource person with respect to reviewing and recommending

environmental viable financial instruments in relation to better control of lifecycle product and waste management including sound disposal as part of the project's planned activities.

This Specialist will report directly to the PPG National Technical consultant and will work under the overall guidance of UNDP-Mauritius, and the International Technical Coordinator Consultant, and in close coordination with the Ministry of Social Security, National Solidarity, and Environment and Sustainable Development of the Republic of Mauritius and is informed by the guidance from the UNDP/GEF Regional Technical Advisor/Specialist on Chemical Management in UNDP Regional Office.

The national consultant will work in close cooperation with the relevant local agencies (ministries, research institutions, NGOs) and other stakeholders relevant for the subject-matter of the project and will support the creation of conditions conducive to strengthening the national ownership of the project.

C.2 Duties and Responsibilities

Under the supervision of National Technical Coordinator (for the Indian Ocean) and national UNDP programme officer, and in coordination with national counterparts, the Financial Instruments /EPR consultant will bear the following responsibilities.

General responsibilities:

- Review the available documentation on the project, including the project PIF and draft UNDP Project Documentation.
- Review and analyze the current national legislative framework in the country to assess the current enabling environment for Extended Producer Responsibility from the perspective of such areas as, :-
 - Legal criteria and standards of quality and performance associated with product life cycles and production; green alternative processes and products; and appropriate management of end-of-life products and waste materials from the production process
 - National level experience, access and availability, of environmental financial instruments to support and incentivize sustainable production, consumption and/or waste management surrounding product life cycles and associated processes, and/or around development and implementation of environmentally friendly innovation, redesign, safer waste disposal processes, and overall implementation of circularity in production processes
 - Policy or fiscal incentives targeting both consumers and private sector and their roles and responsibilities for turning in/taking back end-of-life chemicals and chemical containing products, and safely handling such throughout the related product lifecycle.
- Based on the initial analysis, prepare recommendations for improvements in the legislative framework, and ways in which fiscal instruments, private and public investment and any other key partnerships and fiscal products might be appropriate to set up a long term incentivization, revenue generation to support regulatory systems, and an overall access-to-finance mechanism to support minimization and safe handling of chemicals and products containing chemicals

throughout the product life cycle. Key opportunities, barriers or requirements for stakeholder sensitization shall be included in the recommendations.

- Summarize these recommendations in a formal report which will be used in the formulation of the project documents for UNDP and GEF.
- Assist in finalizing relevant sections of the UNDP Project Document and provide inputs into the regional GEF programme document for the Indian Ocean in respect to the prospects of using such instruments on a longer-term basis to ensure creation of circular economy approaches in the country, and the region.
- In implementing this work, conduct relevant consultations with stakeholders, public, private and non-Governmental organizations and collect the stakeholders' feedback. Incorporate the comments, if appropriate, into the project's related documentation and Results Framework. The consultant should check with UNDP on the stakeholders to consult.

D. Expected Outputs and Deliverables

The Consultant shall be remunerated in accordance with **Table 1** for the payment schedule and deliverables:

Table 1: Payment Schedule and Deliverables

| | Activity | Tentative date | Fee (%) | Products |
|----------------|--|------------------|-------------|---|
| A | Desk analytical work | 15 December 2019 | 30% | Review and Recommendations Report on the Enabling Environment and environmental finance instruments/EPR and recommendations. (approx. 7 working days) |
| B | UNDP project documentation | 15 February 2020 | 50% | Inputs into Draft project results framework (UNDP and GEF project documents) in English with incorporated. Prepare a consolidated consultation meeting report Prepare a report on the possible financial instruments for waste management in context of Mauritius. (approx. 15 working days) |
| C | Remain on stand-by for addressing GEF comments | 15 January 2021 | 20% | Revision of certain sections of the project documentation in response to GEF comments and in view of preparing LPAC meeting. (approx. 3 working days) |
| Total % | | | 100% | |

All deliverables shall be submitted in draft for comments, prior to submission as a final version. Approval by UNDP Country Office is required prior to any payment being effected. All documents will be reviewed by the UNDP GEF RTA and the Implementing Partners as well, and therefore comments should be adequately addressed prior to any document being considered fit for payment as per the above list.

D.1 Reporting

All deliverables shall be submitted in **English** and in appropriate format, in editable MS Word and in PDF as per requirement of the Client to the following address:

Mr Satyajeet Ramchurn
Head of Environment Unit
6th Floor, Anglo Mauritius Building
Intendance Street,
Port Louis
Email: satyajeet.ramchurn@undp.org
Tel: +230 212 3726
Fax: +230 208 4871

The deliverables should be of high quality in form and substance and with appropriate professional presentation. The Consultant should fully comply with the requirements of UNDP in terms of content and presentation and respect UNDP visibility guidelines, since unsatisfactory performance may result in termination of contract.

E. Duration of the Work

The consultancy has a duration of approx. 25 working days over 17 months. The delay in the delivery of the products will have consequences on the payment and the recommendations for inclusion in the UNDP roster.

The start date will be counted from the day after the contract is signed. Delivery before the set time limit does not entail additional compensation, but it will be favorably valued.

F. Duty Station

Home-based and UNDP Mauritius Country Office.

The consultant will assess the relevance of national trips, considering the methodology section of this ToR. The costs associated with travel to regions necessary to complete the products described in the ToR will be borne by the project.

G. Confidentiality

The contractor should keep strict confidentiality on all the information that has become available within the framework of this contract, except that which is public.

H. Qualifications of the Successful Individual Contractor

Education:

University degree in economics, finance, environmental economics or related fields. Master's degree in related fields will be considered an advantage.

Experience:

- At least two (2) years of experience in review and application of environmental finance instruments/EPR in environmental projects.
- Experience of applying the EPR and environmental finance instruments in waste management business as advantage.
- Experience in GEF projects will be considered as advantage..

Skills:

- Professional knowledge of environmental finance instruments/EPR in the Republic of Mauritius
- Experience in international project proposal writing and implementation is an asset.
- Prior experience with UNDP is a strong advantage.
- Proficiency of spoken and written English.
- Ability to present ideas in writing in a clear and concise way.
- Ability to lead strategic planning, results-based management and reporting;
- Builds strong relationships with clients, focuses on impact and result for the client and responds positively to feedback.
- Excellent communication and IT skills.

Language:

- Fluency in English (both written and verbal) is a must.
- Knowledge of French would be an advantage.

I. Scope of Price Proposal and Schedule of Payments

The financial offer should be quoted as a lump sum amount, all-inclusive (professional fee, insurance, all travel costs, per diem, etc.). In general, UNDP should not accept travel costs exceeding those of an economy class ticket. Should the consultant wish to travel on a higher class he/she should do so using their own resources.

The contract price is fixed regardless of changes in the cost components. In the case of unforeseeable travel (additional mission for example), payment of travel costs including tickets, accommodation and terminal expenses should be agreed upon prior to travel between UNDP and Individual Consultant and will be reimbursed.

Payments will be made based on deliverables as per section D.

J. Recommended Presentation of Offer

The following documents are requested:

- a) Duly completed **Letter of Confirmation of Interest and Availability** using the template provided by UNDP;
- b) **Personal CV or P11**, indicating all past experience from similar projects, as well as the contact details (email and telephone number) of the Candidate and at least three (3) professional references;
- c) **Technical offer: Brief description** of why the individual considers him/herself as the most suitable for the assignment and a **methodology** on how they will approach and complete the assignment;
- d) **Financial Proposal** that indicates the all-inclusive fixed total contract price, supported by a breakdown of costs, as per template provided by UNDP.

K. Criteria for Selection of the Best Offer

Individual consultants will be evaluated based on the following methodology:

Cumulative analysis

When using this weighted scoring method, the award of the contract should be made to the individual consultant whose offer has been evaluated and determined as:

- a) Responsive/technically compliant/acceptable, and
- b) Having received the highest score out of a pre-determined set of weighted technical and financial criteria specific to the solicitation.

Technical evaluation:

| Criteria | Max. Point |
|---|------------|
| Education | 25 |
| Two (2) years of experience in in review and application of environmental finance | 25 |
| Experience of applying the EPR and environmental finance instruments in waste management business | 5 |
| Experience in GEF projects will be considered | 5 |
| Professional knowledge of environmental finance instruments/EPR in the Republic of Mauritius | 10 |
| Experience in international project proposal writing and implementation | 5 |
| Prior experience with UNDP | 5 |
| Ability to lead strategic planning, results-based management and reporting | 5 |
| Builds strong relationships with clients | 5 |
| Ability to present ideas in writing in a clear and concise way | 5 |
| Proficiency of spoken and written English | 5 |
| TOTAL max. | 100 |

Candidates scoring 70 or above will be selected for the analysis of their respective financial offers. The financial offers will be evaluated giving the lowest price proposal 30 marks and marking the other more expensive proposals reverse proportionally to the cheapest offer.

The final scoring of short-listed candidates will take into account the technical score and the financial score:

| Criteria | Weight | Max. Point |
|-----------------|--------|------------|
| Technical score | 70% | 100 |
| Financial score | 30% | 30 |

The candidate ranking highest shall be selected.

L. Approval

This TOR is approved by:

Signature



Name and Designation Satyajeet Ramchurn, Head of Environment Unit

Date of signing

16/08/2019

