



Eliminating Persistent Organic
Pollutants through
**Sound Management
of Chemicals**



Ministry of Environment,
Climate Change
and Technology



VESHI

Valuing the Environment through
Sustainable and Holistic Initiatives

SMALL GRANT PROGRAM

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Green Building, Handhuvaree Hingun, Maafannu, Male', 20392, Republic of Maldives.

1. Introduction

The republic of Maldives is a Large Ocean State made up of 99% ocean, geographically spread over 297.8km². Environmentally sound management of waste is identified as one of the most pressing environmental challenge due to the rapid population growth, economic expansion, and increase in tourism establishments, changes in consumption patterns and diseconomies of scales linked with providing sustainable waste management for dispersed islands. Maldives generated approximately 433,000 t¹ of solid waste in 2019. The amount of waste generated in the Male' region has increased by 155% over the last decade, and in the atolls a 57.6%² increase over the same period. Operating a waste management center in each island has proven ineffective when it comes to managing large quantities of mixed waste. Islands that practice proper segregation is also unable to dispose of the waste due to unavailability of machinery or a mechanism to transfer the waste to regional facilities. The government is establishing regional waste management facilities and waste transfer facilities in different zones such as (1) HDh.Kunburudhoo waste transfer facility for Haa Alif, Haa Dhaalu, Shaviyani (2) R.Vandhoo regional waste management facility for Noonu, Raa, Baa, Lhaviyani (3) Thilafushi for Kaafu, Alif Alif, Alif Dhaalu, Vaavu, Meemu, Faafu, Dhaalu, Thaa and Laamu (4) Addu regional waste management facility for Gaafu Alif, Gaafu Dhaalu, Fuvahmulah, and Addu waste.

The global perspective on waste has changed from considering it a nuisance to a reclaimable resource. Circular economy promotes decoupling resource use and production efficiency. The 3R strategy recognizes waste as a resource and promotes reduction, re-use, and recycling which is most effective when waste is segregated at the source. 3R strategy is consistent with Sustainable Development Goals (SDG) and contributes towards achieving (SDGs) targets not only in environmental sustainability and resource conservation, but also increases resilience of economic and social development. Addressing pollution, contributes to achieving the following SDG targets of 2030 Agenda:

SDG 3: Good Health and Well-Being: Preventing health concerns that arise from current waste disposal sites and open burning

Target 3.9: By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination.

SDG 6: Clean Water and Sanitation: Through reduction of groundwater contamination from improper disposal of waste and through sustainable use of groundwater.

Target 6.3: By 2030, improve water quality by reducing pollution, eliminating dumping, and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally.

SDG 8: Decent Work and Economic Growth: Through community support, sustainable usage of resources, and enhancing small scale sustainable businesses.

Target 8.4: Improve progressively, through 2030, global resource efficiency in consumption and production and endeavor to decouple economic growth from environmental degradation,

in accordance with the 10-Year Framework of programs on Sustainable Consumption and Production, with developed countries taking the lead

SDG 11: Sustainable Cities and Communities: Creating cleaner cities and sustainable usage of resources.

Target 11.6: By 2030, reduce the adverse per capita environmental impact of cities, including by paying

special attention to air quality and municipal and other waste management

SDG 12: Responsible Consumption and Production: By promoting a circular economy.

Target 12.4: By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment

Target 12.5: By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse

SDG 13: Climate Action: Through reduction of pollution and destruction of habitats caused due to improper disposal of waste and reduction of emissions caused from burning of waste landfills and incinerators

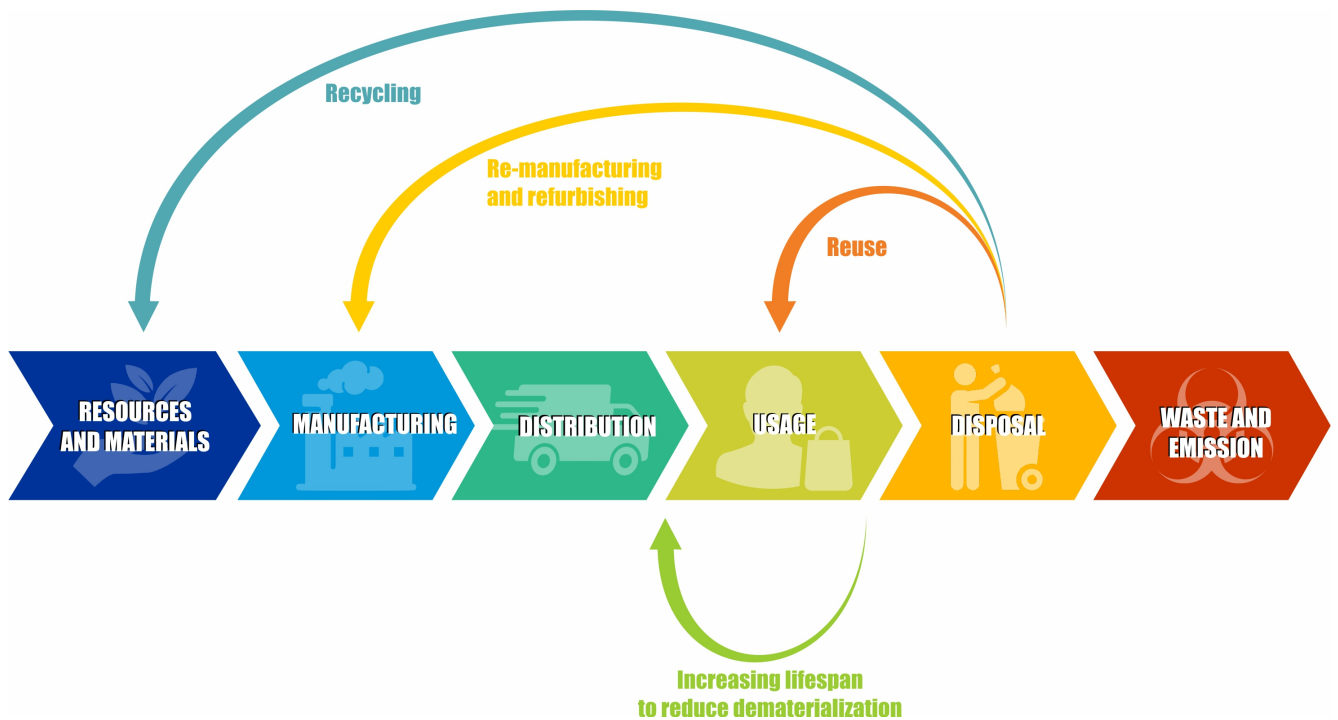
Target 13.b: Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities

2. Objective and Background of Eliminating Persistent Organic Pollutants through Sound Management of Chemicals Project

The Ministry of Environment, Climate Change and Technology is executing the “Eliminating Persistent Organic Pollutants Through Sound Management of Chemicals” under funding by Global Environment Facility. The project focuses on addressing regulatory/policy barriers, technical and capacity and knowledge barriers so that the Maldives has a better foundation to establish a nationwide environmentally sound Management system to address POPs and highly hazardous chemicals, with the adequate coordination of key public, private and community stakeholders, regulatory departments, and centers of expertise, and the enhanced capacity of all involved, for the Environmentally Sound Management of Chemicals.

Under component 2 of the project: To establish systems for the sound collection, labelling, storage and disposal of hazardous chemicals; the project aims to introduce Best Environmental Practices and Best Available Techniques to reduce POPs released from improper management of waste. **Hence, this initiative aims to fund 7 projects to prevent and minimize usage of hazardous chemicals and pollution resulting from hazardous waste through promotion of 3R (Reduce, Reuse and Recycle) or the circular economy framework.**

3R General Framework



Focal Areas for Funding

1. Establishing facilities for island level or regional level waste management in line with the government's goals and regulations
2. Introduction of new innovative technologies and methods for waste management
3. Segregation of hazardous wastes from normal municipal waste
4. Running awareness programs
5. Introducing new alternative products for hazardous chemicals or products which result in hazardous waste which are currently highly used in Maldives

A list of waste streams in Maldives which include hazardous wastes and possible hazardous substances which result from these substances have been annexed with this document (see Annex B)

3. Application and Evaluation



Upon announcement of grant scheme, applicants will first have to submit a brief concept plan (see Annex A). The Ministry of Environment Climate Change and Technology will acknowledge receipt of the concept, no later than one week after submission. Concept plans will then be assessed to ensure that they are in line with the objectives of the grant scheme (See Annex A). Among the received concepts, 14 shortlisted applicants will be invited to submit a detailed proposal. Along with the full proposal package submission, a proposal presentation session will be held where a panel consisting of experts in the field will ask additional questions regarding the proposal. Prior to submission of proposals, Ministry of Environment, Climate Change and Technology will hold a training program on preparation of high-quality proposals. Priority will be given towards projects which aim towards minimization of hazardous waste and chemicals pollution. The concept plans will be assessed based on the following criteria:

Appraisal criteria

- Is the applicant from a registered club, NGOs, community-based organizations (CBOs), schools, colleges, and universities or a Women lead organizations that works on environmental issues?
- Assess the personnel and contractual services costs being listed in the project budget. Is this in line with the budget ceiling and does it meet the scope of works proposed?
- Assess the administrative costs, personal and contractual services and equipment cost being listed in the project budget. Is this in line with the funding budget?
- Which measures within the objective of the small grant initiative are addressed?
- Does the project propose activities that result in improvement of the sound management of chemicals and waste?

4. Who can apply?

The grant will be open to island councils, clubs, NGOs, community-based organizations (CBOs), schools, colleges, and universities. Women lead organizations will be prioritized where applicable.

5. Key components expected in final proposals

Keep the following aspects in consideration when choosing a project and preparing the concept plan as they will need to be addressed when preparing the full proposal later on.

- **Title**
A clear and concise title (an attractive title in local language will be preferred)
- **Purpose and objectives**
Highlight immediate outcome and benefits expected from the project. Must justify how the project can contribute towards SDGs
- **Implementing agency**
Provide full details on implementing agency and if it is a joint venture provide details and justification. Explain the fundamental reason for taking up the project and why the particular organization is fit for carrying it out.
- **Project Budget**
Provide a simple budget breakdown for the key criteria of the proposed activities.
- **Implementing schedule**
Provide a detailed work schedule for the proposed activities.
- **Main activities**
Give a detailed list of all activities proposed to be carried out under the project.
- **Outputs**
Explain key outputs expected from each activity and how they contribute towards achieving the main objectives of the project.
- **Key beneficiaries**
Highlight all key beneficiaries from the recorded activities.
- **Gender and safeguard considerations**
In the context of managing chemicals and hazardous waste, gender mainstreaming involves evaluating and preparing for the distinct effects that pollution from these substances may have on women, men, and children. These effects are influenced by various physiological and socio-economic factors.
Gender-based differences in exposure to chemicals and waste arise from the different roles that men and women have in society. Men may have higher levels of exposure to harmful substances in the workplace due to their occupational roles, while women tend to take on more domestic responsibilities, such as managing household waste, which can include the burning of plastics and other materials. These differences in exposure can result in varying impacts on the health of men and women, including effects on reproductive and prenatal health.

In order to ensure effective management of hazardous chemicals and wastes within the context of this small grant scheme, it is crucial that any proposed actions include gender mainstreaming considerations that encompass both women's and men's perspectives and experiences. This should be an integral aspect of the project's design, implementation, monitoring, and evaluation.

- **Sustainability and impact**

Provide details on what the impact of the project will be on human health and environment, and provide a justification on how the project will ensure its sustainability in environmental, social and financial aspects.

6. Funding, Monitoring and Controls

The grant amount for each project will vary depending on the scope of the proposed project. The ceiling for the funding per project is MVR 750,000. The funding will be released in tranches. If the ministry is informed of any mis-use of funds or if the project does not progress at expected rates without a viable justification, the ministry holds authority to withdraw any and all remaining funds and depending on the severity of the situation, the organization may have to repay the utilized amount as well.

7. Application deadline

Deadline for submission of concept plan is 14th May 2023, Sunday, 14:00. All applicants will be notified of the shortlist outcome, including both successful and unsuccessful applications, within 3 weeks. Shortlisted applicants will also be notified of the final proposal deadline, marking criteria, and training dates.

The filled concept plan (template attached as Annex A) should be submitted via email to POPs.chem@environment.gov.mv. Any queries regarding the grant scheme must be sent via email to aishath.alhan@environment.gov.mv by 7th May 2023.

1. סוגי מניות

תפוצת מניות ה-1 ביולי 2019, נכון ליום 29.7.2019, כוללת 297.8 מיליון מניות, כולל 1.5 מיליון מניות של חברת צדקה. המניות הונפקו בהוצאה לאור של 155% ו-57.6% של המכירה. המניות הונפקו במסגרת הצעת מחיר קבועה. ההצעה נפתחה ב-17.7.2019 וסגרה ב-20.7.2019. חלק מהמניות הונפקו במסגרת תוכנית רכישה מניות (ESOP) של החברה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה.

החברה מציעה לרוכשי המניות לשלם את המחיר המלא על המניות. המחיר המלא של המניות הוא 155% מהמחיר המוצע. המחיר המלא של המניות הוא 155% מהמחיר המוצע. המחיר המלא של המניות הוא 155% מהמחיר המוצע. המחיר המלא של המניות הוא 155% מהמחיר המוצע.

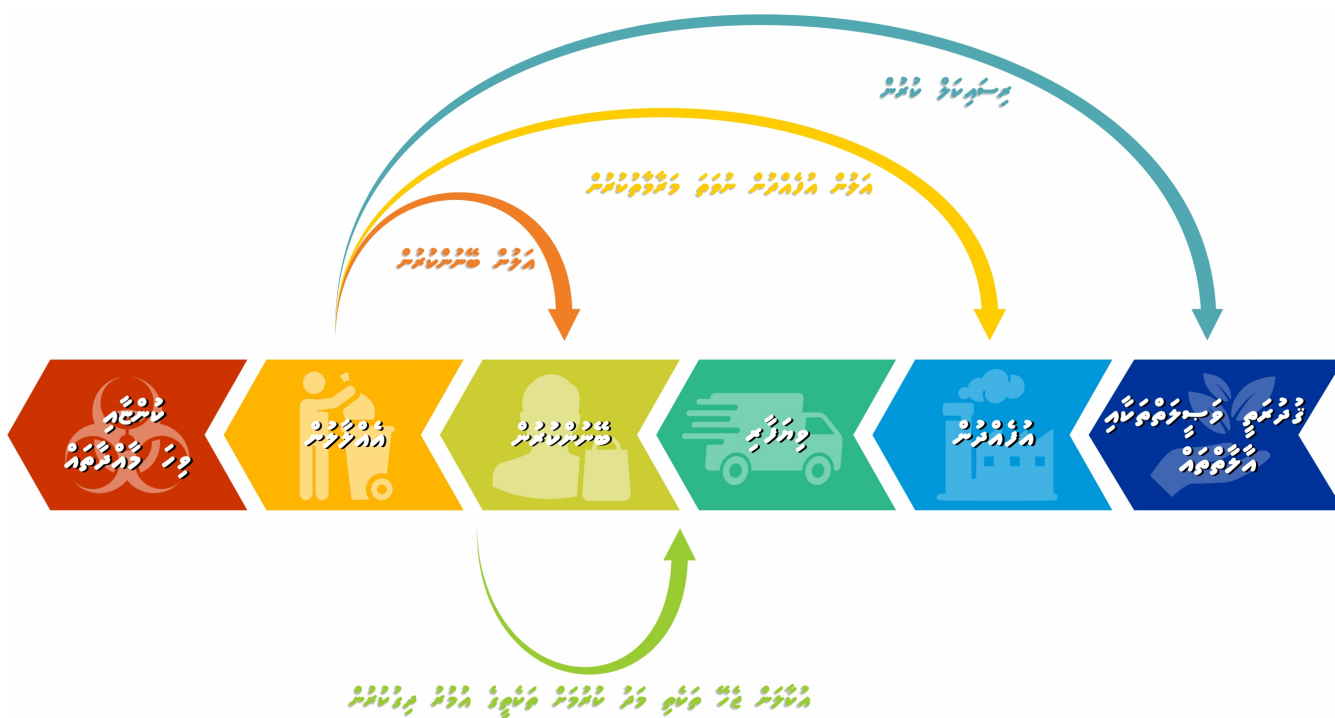
3R מוצעת לשימוש בלבד על ידי החברה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה.

הערה 3: לוח זמנים להגשת תביעות

לוח זמנים 3:9: 2030 וסגרת החברה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה.

הערה 6: סכום המניות

לוח זמנים 6:3: 2030 וסגרת החברה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה. המניות הונפקו במסגרת הצעת מחיר קבועה של 155% ו-57.6% של המכירה.



תוספת נאליקו קראמרי

1. מודעות סביבתית ארוכת טווח, שיתוף פעולה גבוה ומוסכמות חברתיות גבוהות, רגישות גבוהה, אחריות חברתית גבוהה, מעורבות גבוהה, חינוך סביבתי גבוה, תרבות סביבתית גבוהה, אורח חיים סביר, חינוך סביבתי גבוה.
2. מודעות סביבתית גבוהה, אחריות חברתית גבוהה, מעורבות גבוהה, חינוך סביבתי גבוה, תרבות סביבתית גבוהה, אורח חיים סביר, חינוך סביבתי גבוה.
3. מודעות סביבתית גבוהה, אחריות חברתית גבוהה, מעורבות גבוהה, חינוך סביבתי גבוה, תרבות סביבתית גבוהה, אורח חיים סביר, חינוך סביבתי גבוה.
4. מודעות סביבתית גבוהה, אחריות חברתית גבוהה, מעורבות גבוהה, חינוך סביבתי גבוה, תרבות סביבתית גבוהה, אורח חיים סביר, חינוך סביבתי גבוה.
5. מודעות סביבתית גבוהה, אחריות חברתית גבוהה, מעורבות גבוהה, חינוך סביבתי גבוה, תרבות סביבתית גבוהה, אורח חיים סביר, חינוך סביבתי גבוה.

המוסכמות הרווחיות הן כאלו שהתפתחו במשך השנים, והן שיש להן בסיס מוסרי, תרבותי וחינוכי. המוסכמות הרווחיות הן כאלו שהתפתחו במשך השנים, והן שיש להן בסיס מוסרי, תרבותי וחינוכי.

3. תוכנית ניהול מטרות, אסטרטגיה ומדיניות



מדיניות היא הנחיה הכללית של הארגון, המבוססת על ערכים ומוסר. היא מגדירה את המטרות הארוכות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן. מדיניות היא הבסיס לכל האסטרטגיה והתוכניות האחרות של הארגון.

אסטרטגיה היא תוכנית ארוכת הטווח, המבוססת על המדיניות, ומגדירה את המטרות הארוכות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן. אסטרטגיה היא תוכנית ארוכת הטווח, המבוססת על המדיניות, ומגדירה את המטרות הארוכות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן.

תוכנית ארוכת טווח היא תוכנית ארוכת הטווח, המבוססת על המדיניות, ומגדירה את המטרות הארוכות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן. תוכנית ארוכת טווח היא תוכנית ארוכת הטווח, המבוססת על המדיניות, ומגדירה את המטרות הארוכות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן.

תוכנית בינונית היא תוכנית בינונית, המבוססת על המדיניות, ומגדירה את המטרות הבינוניות של הארגון, ואת האסטרטגיה הכללית להגשמתן. תוכנית בינונית היא תוכנית בינונית, המבוססת על המדיניות, ומגדירה את המטרות הבינוניות של הארגון, ואת האסטרטגיה הכללית להגשמתן.

תוכנית קצרת טווח היא תוכנית קצרת הטווח, המבוססת על המדיניות, ומגדירה את המטרות הקצרות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן. תוכנית קצרת טווח היא תוכנית קצרת הטווח, המבוססת על המדיניות, ומגדירה את המטרות הקצרות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן.

תוכנית יומית היא תוכנית יומית, המבוססת על המדיניות, ומגדירה את המטרות היומיות של הארגון, ואת האסטרטגיה הכללית להגשמתן. תוכנית יומית היא תוכנית יומית, המבוססת על המדיניות, ומגדירה את המטרות היומיות של הארגון, ואת האסטרטגיה הכללית להגשמתן.

אסטרטגיה ותוכנית ארוכת טווח, תוכנית בינונית ותוכנית קצרת טווח

- מטרות ארוכות טווח: מטרות ארוכות הטווח, המבוססות על המדיניות, ומגדירות את המטרות הארוכות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן.
- מטרות בינוניות: מטרות בינוניות, המבוססות על המדיניות, ומגדירות את המטרות הבינוניות של הארגון, ואת האסטרטגיה הכללית להגשמתן.
- מטרות קצרות טווח: מטרות קצרות הטווח, המבוססות על המדיניות, ומגדירות את המטרות הקצרות הטווח של הארגון, ואת האסטרטגיה הכללית להגשמתן.
- מטרות יומיות: מטרות יומיות, המבוססות על המדיניות, ומגדירות את המטרות היומיות של הארגון, ואת האסטרטגיה הכללית להגשמתן.



Eliminating Persistent Organic
Pollutants through
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of Chemicals**

OVERVIEW

Project Title	
Date submitted	
Name of Organization	
Year Established	
Address	
Telephone No.	
E-mail	
Project Manager / Focal Point	
Focal Point Contact No.	

Proponent

i Use this overview section to give a brief summary of your organization and what you do

Project Information

i Select which focal area best describes the project

- Establishing facilities for island level or regional level hazardous waste and chemicals management in line with the government’s goals and regulations

- Introduction of new innovative technologies and methods for hazardous waste and chemicals management

- Segregation of hazardous wastes and chemicals waste from normal municipal waste

- Introducing new alternative products for hazardous chemicals or products which result in hazardous waste which are currently heavily used in Maldives



i Select which Sustainable Development Goals are contributed towards by this project

- SDG 3: Good Health and Well-Being:** Preventing health concerns that arise from current waste disposal sites and open burning

- SDG 6: Clean Water and Sanitation:** Through reduction of groundwater contamination from improper disposal of waste and through sustainable use of groundwater

- SDG 8: Decent Work and Economic Growth:** Through community support, sustainable usage of resources, and enhancing small scale sustainable businesses.

- SDG 11: Sustainable Cities and Communities:** Creating cleaner cities and sustainable usage of resources.

- SDG 12: Responsible Consumption and Production:** By promoting a circular economy.

- SDG 13: Climate Action:** Through reduction of pollution and destruction of habitats caused due to improper disposal of waste and reduction of emissions caused from burning of waste landfills and incinerators



CONCEPT

Section 1: Project Rationale

i Use this section to provide background information on the environmental issue your project aims to tackle and justify the approach you are taking to solve this issue. Ensure any scientific facts stated are referenced

Problem Statement

Example of information which could be given in this section:

- Cause of said issue
- Impact of said problem and population most vulnerable to issue
- Short-term and long-term impacts of said issue if not addressed immediately
- Why the proposed project is the ideal solution to the said issue
- Why the proposed approach is the most ideal way to implement the project

Objectives and Expected Results

i Use this section to list down your primary objectives and expected direct and indirect results. Justify how these objectives or results contribute towards reaching the sustainable development goals



Section 2: Budget

Projected Expenditures

i In the table below, list down expected budget breakdown for the project in MVR

Expense category	Total expected cost	Maximum percent of budget permitted
Contractual services costs*		50%
Staff and other personal costs		
Specialized and technical Equipment*		30%
Trainings and workshops		
Travel		
TOTAL		

Caps apply on the below stated budget lines

*Personnel and contractual services costs (combined) – should not exceed 50 per cent of total budget

*Specialized and technical equipment – should not exceed 30 per cent of the total budget

ANNEX B - Waste streams with potential hazardous substances

Waste stream	Waste	Potential hazardous substances
Household	<ul style="list-style-type: none"> • Aerosol cans • Batteries • Cleaning products • Expired medicines • Fluorescent light bulbs • Furniture polish • Medicine/drugs • Paint • Insecticides • Fertilizers • Textile waste (clothing) • Plastic waste 	Releases persistent organic pollutants, potentially carcinogenic substances such as mercuries and asbestos and other polluting toxic chemicals at landfills and upon open burning
E-Waste	<ul style="list-style-type: none"> • Consumer electronics (mobile phone, earphones/headphones, smart watches, cameras, vapes) • Household appliances (TVs, computers, fridges, LED bulbs etc) • Batteries 	Harmful chemicals such as lead, mercury, arsenic, cadmium, selenium, hexavalent, chromium, and flame retardants
Automotive	<ul style="list-style-type: none"> • Oils/filters • Pneumatic tyres • Lead-acid batteries • Cleaning solvents • Plastics and scrap metals • Oil contaminated clothes and rags • Wax and polish 	Harmful acids, benzenes, and lead
Industrial/agricultural	<ul style="list-style-type: none"> • Used lube oils • Herbicide and pesticide containers • Lead-acid batteries • Electrical switches and relays 	Carcinogens such as heavy metals, benzene, toluene, ethylbenzene, and xylene
Construction and Demolition	<ul style="list-style-type: none"> • Concrete • Bricks and masonry • Asphalt • Chemical treated wood • Gypsum • Plastic • Metal 	Carcinogenic substances such as asbestos, arsenic, mercury, and POPs, metals, and lead

<p> مَرَسَمِ مَرْحَمِ مَرْحَمِ مَرْحَمِ مَرَسَمِ مَرْحَمِ مَرْحَمِ مَرْحَمِ </p>	<ul style="list-style-type: none"> • مَرَسَمِ مَرْحَمِ مَرْحَمِ مَرْحَمِ • مَرَسَمِ مَرْحَمِ • مَرَسَمِ مَرْحَمِ • مَرَسَمِ مَرْحَمِ 	
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Green Building, Handhuvaree Hingun, Maafannu, Male', 20392, Republic of Maldives.