



**SIGNATURE PAGE**  
**Country: Maldives**

**UNDAF OUTCOME 9: Enhanced capacities at national and local levels to support low carbon life-styles, climate change adaptation, and disaster risk reduction**

**UNDAF Action Plan Outputs:**

- Output 9.1 A coherent mechanism developed for renewable energy systems establishment
- Output 9.2 National institutional capacity for climate change adaptation and DRR established involving all stakeholders
- Output 9.3 Community preparedness and resilience for disaster and climate change impacts enhanced

Executing Entity/Implementing Partner: Ministry of Economic Development; Ministry of Housing and Environment

Programme Period: January 2012 – April 2012  Atlas Award ID: _____ Project ID: _____ PIMS #: _____  Start date: 1 <sup>st</sup> January 2012 End Date: 30 <sup>th</sup> April 2012  Management Arrangements: _____ PAC Meeting Date: _____	Total resources required: 423, 255 USD • Total allocated resources: 423, 255 USD • DAINS: 423, 255 USD • Other: ○ Donor: _____ ○ Government: _____ ○ In-kind: _____ ○ Other: _____  In-kind contributions: _____
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**Agreed by Ministry of Finance:**

**Mr. AHMED MOHAMED**  
**Acting Minister of Finance and Treasury**

**20/2/2012**

NAME

SIGNATURE

Date/Month/Year

**Agreed by UN Resident Coordinator/UNDP Resident Representative (Co-chair of One UN Fund in the Maldives):**

**Mr. ANDREW COX**

**21/2/2012**

NAME

SIGNATURE

Date/Month/Year



## Country: Maldives

### Initiation Plan

**Project Title:** Low-Emission Climate-Resilient Development (LECRd)  
Programme development

**Expected CP Outcome(s):**  
*(Those that are linked to the project and extracted from the CPAP)*

**Initiation Plan Start Date:** 1<sup>st</sup> January 2012

**Initiation Plan End Date:** 30<sup>th</sup> April 2012

**Implementing Partner:** United Nations Development Programme

#### Brief Description

This is a preparatory assistance project. The purpose of the project is to assist to undertake preparatory activities for the LECReD Programme, including the design of the programme framework, development of a full-fledged programme document and a detailed implementation plan for the first 2 years of programme implementation. The LECReD Programme must be designed to employ an integrated, geographically focused approach to build resilience of vulnerable communities and promotes low emission development that can alleviate the negative impacts of climate change faced by the Maldives.

Programme Period: \_\_\_\_\_

CPAP Programme Component: \_\_\_\_\_

Atlas Award ID: \_\_\_\_\_

PAC Meeting Date \_\_\_\_\_

Total resources required 423, 255 USD

• Total allocated resources: 423, 255 USD

• DAINS 423, 255 USD

• Other: \_\_\_\_\_

○ Donor \_\_\_\_\_

○ Government \_\_\_\_\_

○ In-kind \_\_\_\_\_

○ Other \_\_\_\_\_

In-kind contributions \_\_\_\_\_

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## LIST OF ACRONYMS

- SIDS – Small Island Developing State
- MDG – Millennium Development Goal
- LECReD – Low Emission Climate Resilient Development
- UN – United Nations
- UNDP – United Nations Development Programme
- SAP – Strategic Action Plan
- NSDS – National Sustainable Development Strategy
- NAPA – National Adaptation Programme of Action
- UNDAF – United Nations Development Assistance Framework
- CSO – Civil Society Organisations
- PDA – Programme Development Advisor
- UNCT – United Nations Country Team
- MED – Ministry of Economic Development
- MHE – Ministry of Housing and Environment
- PA – Preparatory Assistance
- REIO – Renewable Energy Investment Office
- BDSC – Business Development Services Centres

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## 1.0 SITUATION ANALYSIS

Maldives is a Small Island Developing State (SIDS), renowned for the natural beauty of its 1190 low-lying tropical islands (less than 3.3 feet above sea level) with white sandy beaches, swaying palm trees, rich coral reefs, and crystal clear lagoons located in the Indian Ocean. Even though the total land mass is only 300 square km, the country possesses 859,000 square km, of water, which surround the islands. A population of 298,968 is scattered over some 198 islands with an average population of barely 900. Only 15 islands have more than 2,000 inhabitants, while 11 have less than 200. The geography of the islands makes the communities that live on them acutely vulnerable to the hazards of global warming and sea level rise, compounded by social and economic vulnerabilities.

Maldives is under grave danger from the consequences of climate change thereby committed to achieving carbon neutrality by 2020, which, quite apart from setting out Maldives as a leader in climate change policy, will help in meeting MDG 7. Considering that nearly 80 percent of the nation is below 1.5 meters of mean sea level, climate change is an existential threat to the nation, through sea level rise, more serious weather events, and changes in rainfall patterns. The seriousness of this vulnerability was recognized in the new constitution of the Maldives, which states that the protection of the environment is a fundamental right of the people.

The "Low Emission Climate Resilient Development (LECReD)" Programme (the "Programme") takes an integrated approach to addressing the environmental, social and economic vulnerabilities facing the Maldives, with the premise to address the climate change vulnerabilities that the nation face. It is premised on recognition that in order to meet the challenges and uncertainties of climate change, development must produce fewer emissions and be more resilient to the adverse impacts of climate change.

The Programme will build upon existing interventions by the UN team and Government on climate change adaptation, bio-diversity conservation, renewable energy, energy efficiency, sustainable livelihood generation and waste management. It explicitly addresses major elements of the *Government's Strategic Action Plan (SAP)*, the *National Sustainable Development Strategy 2009 (NSDS)*, the *National Adaptation Programme of Action 2007 (NAPA)*; and the *United Nations Development Assistance Framework*.

The five Programme outcomes have been initially identified but are still subject to some modification. These are as follows:

1. Target communities are better protected and able to adapt to the impact of climate change
2. Local governance capacity strengthened to respond to climate-related vulnerabilities at island and atoll level
3. Economic resilience and food security of target communities strengthened to cope with climate shocks
4. Climate related impact on human health and nutrition reduced
5. Energy systems are improved to be low carbon, reliable and secure, such that communities are empowered and external dependency is reduced

Laamu Atoll was selected on 30<sup>th</sup> May 2011 by the National Planning Council of the Maldives as the optimal place to start the LECReD programme due to its particular combination of vulnerabilities, capacities and potential. The selection was based on a preliminary quantitative and qualitative

vulnerability assessment of all the potential Atolls. In brief, Laamu Atoll is one of the 26 atolls in Maldives. It is located in the far south of the country and has a population of approximately 11, 990 spread across twelve islands that are concentrated on the eastern edge of the atoll.

After the target atoll (Laamu Atoll) was selected, 3 brainstorming sessions were conducted with the local and national experts seeking input and information that contributed to the design of the Programme and its activities. In addition, their preliminary views on the possible programme work streams were discussed.

As a critical part of programme formulation, and following a desk review that was undertaken, a series of scoping exercises have been carried on to develop a deep understanding of Laamu Atoll and its particular climate change challenges and opportunities as they relate to climate resilience development. In addition to enhancement of the desk review of Laamu, these scoping exercises add to the development of the programme indicators and its activities.

A one-day 'introductory workshop' was held in Laamu, Gan on 28<sup>th</sup> July 2011, which involved Atoll Council, Island Councils, private sector, energy sector, and civil society to induct them on the concept of LECReD Programme. The workshop helped to identify the key issues faced by the atoll and collected feedback related to the impacts of climate change on the atoll from the participants of the workshop.

In addition, a 'Local Community Consultation Workshop' was held from 10<sup>th</sup> to 12<sup>th</sup> October 2011 in Laamu, Gan to sensitize the local authorities and communities of Laamu Atoll to the concept of low-carbon climate resilient development and how this integrated LECReD could be translated into a sustainable development approach. The workshop included more local partners from the atoll community that helped to generate and obtain detailed and specific information on Laamu Atoll including challenges faced at national and atoll level that was used for the purpose of enhancing LECRD programme and preparing for the inception workshop to be held in January 2012.

A 'National Stakeholders Workshop' was held on 27<sup>th</sup> November 2011 in Male' where key ministries and atoll authorities came together to discuss about the conceptualization of the LECReD, the programme activities that has been carried and planned, and composition of a steering committee. 6 ministers, national office, atoll office, island councils along with national NGOs participated in the fruitful discussion. A decision was made on the composition of the steering committee to include United Nations, Minister of Economic Development, Ministry of Housing and Environment, National Office, Atoll Office and CSO to represent the local community.

To further develop the LECReD programme and prepare for the inception workshop, a technical scoping mission took place in Laamu Atoll from 26<sup>th</sup> to 29<sup>th</sup> December 2011. The purpose of the scoping exercise was to collect detailed information on vulnerabilities and undertakes preliminary assessments of adaptation measures and interventions where feasible. A team of 8 members went on the mission and covered 11 inhabited islands within 3.5 days.

Upon return from the scoping mission a technical debriefing workshop was held on 8<sup>th</sup> January 2012, Sunday to further discuss and validate the findings and outcomes of a scoping mission with government counterparts. The workshop also elaborated the preliminary work done by the team in problem analysis, prioritization of issues and results mapping. This workshop consisted of experts from

different sectors such as water and sanitation, waste, economic development, climate change, energy, health, fisheries, agriculture and coastal zone management.

A Familiarization Visit to Laamu Atoll was held from 14<sup>th</sup> to 15<sup>th</sup> January 2012, which was attended by international participants from donors, UN agencies and non-resident UN agencies. They visited and observed the sites identified by the scoping mission to get a good understanding of the vulnerabilities and capacities of the atoll so that their contribution to the Inception Workshop (17<sup>th</sup> to 19<sup>th</sup> January 2012) could be concretized.

Most recently, the Inception Workshop to LECReD programme was held from 17<sup>th</sup> to 19<sup>th</sup> January 2012 in Kurumba Maldives. The objectives of inception workshop were to gain a better understanding of the climate change and development vulnerabilities in the islands of Laamu Atoll, and agree on and prioritize the key problems; develop a common understanding of an integrated approach to climate-resilient, low carbon development; how this approach could translate into sustainable human development; agree on the broad programme goals expected from the LECReD Programme; understand the interrelated dynamics of the various elements of climate change programming and how integration could achieve the programme goals; and finally define the next steps to finalize the programme formulation.

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## 2.0 STRATEGY

This programme builds on years of pilot projects and activities dispersed across the Maldives, and will allow replication and scaling up of past efforts and successful interventions that have been piloted in different locations. It will integrate approaches related to sea level rises, water, sanitation, livelihoods, food security, human health, natural resources management, disaster risk reduction and good governance. The focus on one atoll will allow for the vulnerabilities facing small isolated communities to be addressed, and ideally, to generate local solutions to climate change adaptation and resilient development. While this approach is climate centered, it will go beyond physical vulnerabilities to assessing economic and poverty vulnerabilities, exclusion, gender based disparities and the dynamics of population change, mobility and migration. This approach is intended to be a comprehensive approach that maximizes the synergies within the different development sectors. The key notion underpinning the Programme is that climate-resilience is intimately connected to intelligent, context specific development that recognizes fundamental human rights and specific needs of men, women and children.

The Programme will be developed, based on a concept note (annexed), through the work of the UN team and the Government, in close collaboration with other partners. Programme design will be based on community and private sector consultation and thorough scoping of the situation of the selected atoll. The features and needs of the different inhabited islands in the atoll will be identified in large part with the newly established island and atoll councils, and emerging civil society organizations. The process of developing the full-fledged programme document and implementation framework would build on technical and familiarization visits and the 3-day inception workshop that brings together all stakeholders from the relevant Ministries and Laamu, UN agencies, and donor partners to develop a common understanding of the concept of the LECReD integrated approach, agree on the broad programme goals expected, and identify key interventions. Gender mainstreaming will be undertaken in programme needs assessments, as well as in the design and implementation of activities.

Knowledge management is one key feature of the LECReD programme. By effectively improving and demonstrating climate resilience in an integrated manner in the selected region, the Programme aims to generate a robust climate resilient development model for the Maldives, with best practices to be replicated in all atolls in the Maldives. The Programme will also result in lessons for greater coordination and broader policy reform at the national level in sectors such as coastal management, reef resources management, local development planning, energy, water, sanitation, livelihoods, and health. Maldives will be well placed to act as a solid knowledge centre of expertise in promoting resilient and responsible development, recognized globally and enhanced through the upcoming Maldives Climate Change Centre (CCC). The CCC is also intended as the knowledge hub that captures processes and disseminates knowledge from the programme's integrated approach. The replication of this approach will rely on how well the information are captured, measured and fed into other national and sub-national planning processes. This preparatory assistance project will support the establishment of the CCC based on the feasibility study that has already been conducted.

There is a need for a very strong renewable energy component to be included in the programme, which is directly connected to energy security of the very oil dependent communities. This has also been expressed by the Government at various occasions. The project will rely on the Government's newly formed Renewable Energy Investment Office (REIO) and the technical support of the Ministry of Housing and Environment together with the Maldives Energy Authority to drive the energy component



of the Programme. As such, the preparatory assistance will support the Government through REIO to identify possible renewable energy interventions in Laamu Atoll.

Business Development Services Centre's (BDSC) in Maldives provides assistance to existing small business owners and prospective entrepreneurs to help them start, grow and compete in domestic and global markets by offering quality training, counseling and access to resources. This programme will facilitate to set up the services of a Business Development Services Centre (BDSC) in Laamu. The purpose of this component is to start community engagement, assess the ground realities and engage with small businesses from the beginning to enhance their business management knowledge and entrepreneurial opportunities. This is vital in order to promote ownership of the programme so that some ground work will be completed when LECReD programme commences.

The Programme is designed to evolve on a flexible, rolling basis, specifically with a view to replication and expansion. It is estimated at this stage that between \$40 and \$50 million, drawn from various sources, including private investments, will be required to achieve the full objectives of the programme. The first support, provided by Denmark, stands at \$9.5 million. Resource mobilization, based on momentum and results, will be a critical part of this strategy. As a result, programme roll-out will be modular, allowing for results to be demonstrated to the first primary donor, while showing prospective donors what might follow if more support is provided.

This preparatory assistance project will also include the hiring of the following positions:

- **Programme Development Advisor (PDA)** – Guided by the concept note, develop a programme framework, and full-fledged document and Implementation framework (including costing) for the LECReD programme. This post has already been recruited and the PA will fund the remaining balance for the post (who also serves as the project manager for this PA).
- **Programme Manager** – to facilitate initial implementation of the full-fledged programme
- **Coordinator Laamu** – to establish LECReD presence in the Laamu Atoll to ensure sustained dialogue with the local leaders and communities during the programme design phase and initial implementation.

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### 3.0 PURPOSE

The main purpose of this preparatory assistance project is to assist the undertaking of preparatory activities for LECReD programme including the development of a full-fledged programme document and detailed implementation plan to employ an integrated, geographically focused approach to build resilience of vulnerable communities and promotes low emission development that can alleviate the negative impacts of climate change faced by the Maldives. The programme document, building on extensive field work and consultation is expected to be completed by April 2012.

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## 4.0 EXPECTED OUTPUT

- **Output 1:** Development of a programme framework for Phase 1 implementation and a full-fledged Programme Document
- **Output 2:** Establishment of a sustainable knowledge management setup for LECReD
- **Output 3:** Support the Government on identification of possible RE interventions in the Laamu Atoll
- **Output 4:** Mobilization of community and engagement with local business

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## 5.0 MANAGEMENT ARRANGEMENTS

The PA project would be led by UNDP in close consultation with the UNCT and guidance from MED, MHE and members of the Laamu Atoll Council. The project will be developed and implemented through a partnership between Government of Maldives, the UN agencies, private sector, civil society and donor community under the overall guidance of the LECReD Steering Committee (project board members). The full programme document will be approved by the members of the LECReD Steering Committee. Government ownership and participation is vital for the success of this programme.

The One UN Multi Donor Trust Fund for the Maldives will be a primary financing mechanism for the Programme, allowing for efficient resource mobilization, and maximum flexibility. Funds for this Preparatory Assistance Project will come from the same Fund, subject to approval of the One UN Fund Board.

## 6.0 WORK PLAN

Outcome 1: A comprehensive project document and detailed programme formulation plan to promote low emission climate resilience development

EXPECTED OUTPUTS	PLANNED ACTIVITIES	TIMEFRAME				RESPONSIBLE PARTY	Funding Source	PLANNED BUDGET	
		Q1	Q2	Q3	Q4			Budget Description	Amount in \$
Output 1 Development of a programme framework for Phase 1 and full-fledged Programme document	<ul style="list-style-type: none"> <li>- Conduct technical feedback/debriefing meeting and Steering Committee meeting</li> <li>- Conduct familiarization visit and develop report</li> <li>- Plan and Conduct Inception Workshop</li> </ul>						Prog Development Advisor	25,565	
							Prog Management Support	78,600	
							Venue costs	40,000	
							Travel	30,000	
							Fees and Logistics	16,000	
							DSA	20,000	
							Miscellaneous	10,400	
						UNDP	Sub-total	220,565	
Output 2 Establishment of a sustainable knowledge management setup for LECRoD	<ul style="list-style-type: none"> <li>- Support the designing and establishing of the Climate Change Centre based on the existing Feasibility Study</li> <li>- Develop mechanisms to capture, analyse and disseminate LECRoD programme information</li> </ul>						International Experts (2 (15,000 x 3 months)	90,000	
							National Coordinator (1,500 x 4 months)	6,000	
							Administrative Staff (1,000 x 4 months)	4,000	
							Sub-total	100,000	
Output 3 Support the Government on identification of possible RE interventions in the Laamu Atoll	<ul style="list-style-type: none"> <li>- Support REIO in data gathering, and identification of RE energy options with resource requirements</li> </ul>						International Expert (15,000 x 3 months)	45,000	
							Local Expert (2,000 x 3 months)	6,000	
							Travel (5pax)	2,000	
							DSA (5 pax)	7,000	
							Miscellaneous	5,000	
							Sub-total	65,000	
Output 4 Mobilization of community and engagement with local businesses	<ul style="list-style-type: none"> <li>- Support to set up the services of a Business Development Service Centre (BDSC) in Laamu</li> <li>- Mobilization and engagement with community and local businesses to instill a culture of entrepreneurship</li> </ul>						Business Development Officer (1200*3)	3,600	
							Business Development Assistant (600*3)	1,800	
							Travel	1,600	
							Miscellaneous	3,000	
							Sub-total	10,000	
<b>TOTAL PROJECT COST</b>							<b>TOTAL PROJECT COST</b>	<b>395,565</b>	
Programme Support Cost to the Participating UN Organization (7% of total costs of the projects)							<b>GMS (7%) Total</b>	<b>27,690</b>	
<b>TOTAL</b>							<b>TOTAL</b>	<b>423,255</b>	