

Eighth Regional 3R Forum in Asia and the Pacific

“Achieving Clean Water, Clean Land and Clean Air through 3R and Resource Efficiency- A 21st Century Vision for Asia-Pacific Communities”

Indore, Madhya Pradesh, India, 9-12 April 2018

City Report

(Draft)

<Male, Maldives>

This city report was prepared by Male, Maldives as an input for the Eighth Regional 3R Forum in Asia and the Pacific. The views expressed herein do not necessarily reflect the views of the United Nations.

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CITY REPORT: [Male' City]

Guideline for City Reporting on Major Initiatives/Achievements in 3R areas

The main objective of the City Reporting is to share among international community the progress, achievements and best practices, including various challenges faced, in the areas of **3R (Reduce, Reuse, Recycle)** and sustainable waste management. This would help development agencies, donors, including development banks, in assessing the needs and challenges of cities to better plan their existing and future capacity building programs and operations in the field of 3Rs and sustainable waste management.

It would be appreciated if a consolidated city report could kindly be prepared by answering the following questions and submit to the **Secretariat of the Regional 3R Forum in Asia and the Pacific** by email to 3R@uncrd.or.jp

Timeline for submission: **31 January 2018**
Secretariat of the Regional 3R Forum in Asia and the Pacific
United Nations Centre for Regional Development

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Q 1 **What are the roles of local government stipulated in the 3R-related policies, acts, laws, or regulations?**

Roles and responsibilities prescribed for local government (island councils) in the national policy are;

- Each council must ensure a good waste management system established in their respective islands,
- Each council is encouraged to enter into an understanding with the local utility for the service delivery and waste management in the island,
- Each council shall establish a mechanism to collect day to day data on waste generation and disposal in their respective islands and facilitate to update the national inventory,
- Each council shall formulate a waste management plan specific to the island

Each council shall introduce a user-fee for waste management and utilize it specifically for the waste management in the island.

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Q 2	Are 3R policies integrated in your city development strategy or master plan? (Please attach photo(s) of your city's waste management facility if available.)
	<input type="checkbox"/> Yes => Please share goals/visions/major achievements/important lessons learnt that could be replicated elsewhere. Vision: Male' City (Greater Male') is a cleaned and pollution free city for everyone Goal: Male' City will have a state-of-the-art waste management system that is established on the principles of sustainability by 2020. Major achievements: 1. A proper collection system started 2. An acceptable waste transfer system in place The system is being further improved with the assistance from Asian Development Bank and expected to have completed by 2020. No photos available as yet.
Q 3	What are the major challenges and constraints faced by your city in implementing 3R policies and programmes? Due to the high congestion in Male' and narrow streets are major hindrance of implementing 3R Policies. However an initiative under the name of "Saafu Raajje" has been commenced and working towards 3R principles. (Please answer only if your answer to Q2 is "Yes")
	Financial constraints:
	Institutional/governance challenges:
	Policy gaps:
	Other challenges such as technical capacity, human resources etc.:
Q 4	What programme is in place in your city in support of NGOs activities towards promotion of 3Rs? Currently no programme is being undertaken for such. However, the Ministry of Environment and Energy as mandated with the national waste management sector development, the Ministry is formulating a master plan as well as a plan for Male' City. The plan incorporates the activities that support the NGOs and/or other interested parties in order to promote the 3Rs

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<p>Q 5</p>	<p>Is there any collaborative 3R activities/projects/partnerships involving cities (e.g., city-to-city cooperation) and organizations at international level?</p> <p><input checked="" type="checkbox"/> Yes => Please brief the project(s) including objectives, project partners, target, period, budget etc.</p> <p><input type="checkbox"/> No</p> <p>A project has been proposed for international financial organization for the proper waste management system in Greater Male'. "Integrated Solid Waste Management for Zone 3" as the title of the project is currently under negotiation between the Government and the international financial organizations.</p> <p>The main project objective is; Create a healthy environment for the people living in Male'. However, the specific objectives are;</p> <ul style="list-style-type: none"> • Promote 3Rs and initiate a recycling programme • Achieve GHG emission reduction targets • Ensure the energy security through waste to energy <p>Please attach photos with caption, if available: Project is yet start later this year</p>
<p>Q 6</p>	<p>What major future prospects or opportunities does your city have in 3R areas?</p> <p>A regional waste management system is proposed to start implementation later this year. However, in order to stop open burning at the largest dumpsite in the Country, which is located in the Male' region a waste baling system is being installed and start operation in April. Also some few small scale waste incineration facilities have been installed. Therefore, it is expected that once these systems start their full operation in May the smoke of plumes sending out to the sky everyday will be stopped.</p> <p>Also a recycling facility along with end-of-life vehicle dismantling system will be created at the regional site.</p> <p>The regional site will have established a waste to energy plant that will produce a minimum of 8MW power which will be connected to the central grid.</p>

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Q 7	What type of 3R infrastructure and facilities your city is equipped with? Please tick the appropriate.			
	Type of 3R infrastructure and facilities	Adequate/ Significant	If adequate, how many treatment facilities (in number)	Not-adequate / Non-significant
	<input type="checkbox"/> waste collection facility	<input type="checkbox"/>		■
	<input type="checkbox"/> waste segregation facility	<input type="checkbox"/>		■
	<input type="checkbox"/> waste storage facility	<input type="checkbox"/>		■
	<input type="checkbox"/> waste processing & treatment facility	<input type="checkbox"/>		■
	<input type="checkbox"/> resource recovery facility	<input type="checkbox"/>		■
	<input type="checkbox"/> waste recycling facility	<input type="checkbox"/>		■
	<input type="checkbox"/> waste to energy facility	<input type="checkbox"/>		■
	<input type="checkbox"/> eco-industrial zones	<input type="checkbox"/>		■
	<input type="checkbox"/> science parks/theme parks relevant to 3R	<input type="checkbox"/>		■
<input type="checkbox"/> others (please specify:)	<input type="checkbox"/>		<input type="checkbox"/>	
Q 8	Kindly provide the important 3R policies/programmes/projects/master plans that your City Government plans to undertake within next five years (2017-2022).			
	The national waste management policy is the key instrument. The policy has been formulated to promote 3Rs and other international best practices.			
Q 9	In response to the 2030 Agenda for Sustainable Development, in particular <i>SDG 6 (Water and Sanitation)</i>, <i>SDG 11 (Make cities and human settlements inclusive, safe, resilient and sustainable)</i> and <i>SDG 12 (Ensure sustainable consumption and production patterns)</i>, how your City is planning to advance 3R and resource efficiency related measures?			
	Strengthening a low emission development future by introducing a sustainable resource efficient economy with the 3Rs. Working towards increasing community ownership of renewable energy sources in order to maximize domestic energy benefits and opportunities. Strengthening the existing policies and plans on renewable energy and energy efficiency implementation, monitoring and reporting. Increasing public awareness and advocate energy efficiency measures and energy efficiency appliances			

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Q 10	What are the main challenges in your city concerning clean water, clean land and clean air? (Please answer the below points)			
		Yes	If yes, kindly write frequency of analyzing (number per month)	No
	Do you regularly analyze the air pollution in laboratories (NOx, air particles and other pollutants)?	<input type="checkbox"/>		■
	Do you regularly analyze the water contamination through chemically and biologically test (DO, heavy metal and microbial water quality)?	<input type="checkbox"/>		■
	Do you regularly analyze the soil pollution (disposal of hazardous and chemical waste)?	<input type="checkbox"/>		■
Q 11	In response to the New Urban Agenda, in particular <i>Sustainable and inclusive urban prosperity and opportunities for all</i> and <i>Environmentally sustainable and resilient urban development</i>, how your City is planning to contribute to safe, inclusive and resilient city building related to 3R and sustainable waste management areas?			
	The proposed regional waste management system under the title of Zone III – Greater Male' Environmental Improvement and Waste Management project will create an inclusive and resilient city related to 3R and sustainable waste management.			
Q 12	[For Indian cities only], how is your city linking 3R (Reduce, Reuse and Recycle) to the Swachh Bharat Mission (Clean India Mission)? Do you think circular economic utilization of all waste streams in India would accelerate faster achievement of Swachh Bharat Mission? If so, is your city equipped with required 3R policies, programmes and infrastructures towards circular economic utilization of the waste streams?			
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Kindly submitted to the Secretariat of the Regional 3R Forum in Asia and the Pacific by email to 3R@uncrd.or.jp before 31 January 2018.

Thank you for your kind cooperation.

