#### Eighth Regional 3R Forum in Asia and the Pacific

"Achieving Clean Water, Clean Land and Clean Air through 3R and Resource Efficiency- A 21<sup>st</sup> Century Vision for Asia-Pacific Communities" Indore, Madhya Pradesh, India, 9-12 April 2018

# **City Report**

#### (Draft)

# <Balikpapan, Indonesia>

This city report was prepared by Balikpapan, Indonesia 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.

#### CITY REPORT: [City Name: Balikpapan City, Indonesia]

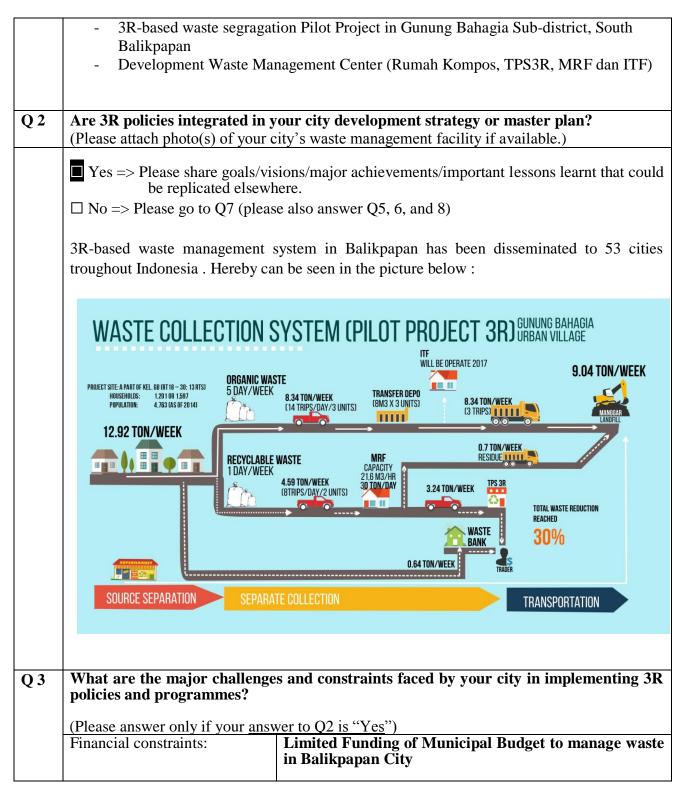
#### **Guideline for City Reporting on Major Initiatives/Achievements in 3R areas**

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 programmes 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: <u>31 January 2018</u> Secretariat of the Regional 3R Forum in Asia and the Pacific United Nations Centre for Regional Development

CITY REPORT: [City Name: BALIKPAPAN ] [21] What are the roles of local government stipulated in the 3R-related policies, acts, laws					
or regulations?					
<ul> <li>Ecology City Concept 'Zero Waste to Landfill'</li> <li>Balikpapan City Local Regulation No. 13 on 2015 about Waste Management of Household and a kind of Household Waste.</li> <li>Draft of Mayor of Balikpapan Regulation about Permit of Waste Management Business</li> <li>Draft of Mayor of Balikpapan Regulation about Procedures for waste segregation and collection</li> <li>Draft of mayor of Balikpapan Regulation about Reduction for Disposable Plastic Bag and / or Styrofoam Packages Food and Beverage</li> <li>Circular Letter of Mayor of Balikpapan No. 660.1/0218/DLH about Waste Segragation and Management on Source in Balikpapan City;</li> <li>Development of Adiwiyata School with local environmental content learning (started from 2000 for Elementary, Junior and High School with KTSP 2006's</li> </ul>					



	Institutional/governance challenges:	Limited Funding from Province to manage waste in Balikpapan City				
	Policy gaps:	Mayor of Balikpapan Regulation of 3R has not been ratified.				
	Other challenges such as technical capacity, human resources etc.:	<ul> <li>Increasing Population (Increasing Waste Generation)</li> <li>Limited Area of Sanitary Landfill</li> <li>Limited waste management facilities and infrastructure</li> <li>Limited technical personnel</li> <li>Lack of public awareness to managing waste (waste separation on source)</li> </ul>				
Q 4	What programme is in place in your city in support of NGOs activities towards promotion of 3Rs?					
	<ul> <li>promotion of 3Rs?</li> <li>Campaign for Reducing Plastic Shopping Bag (cooperation with Earth Hour Community and Environmental Ambassador)</li> <li>Organic Waste Management to be composted (Cooperation with Peduli Lingkungan Kota Balikpapan Foundation)</li> <li>Anorganic Waste Management with Bank Sampah (Cooperation with Ecowalibar dan Bank Sampah Induk)</li> <li>Environmental Education at School in Balikpapan (Cooperation with Adiwiyata Mandiri Forum)</li> <li>Socialization of Waste Segragation on Source at Gunung Bahagia Sub-district, South Balikpapan, Clean Village Program at Kampung Atas Air Margasari, a thousand tumblers Campaign at School, Zero Plastic bag Campaign at Pasar Segar, Clean Coastal Program with anti-drug ambassador (Cooperation with Environmental Ambassador Forum)</li> <li>GEMES: Gerakan menuju bersih dan sehat dan Gerakan say no plastik bag (Cooperation with GG Junior)</li> <li>Gembol: Gerakan membawa botol minum dan Bermanja: Bersama menjaga lingkungan (Cooperation with Green Generation)</li> </ul>					
Q 5	to-city cooperation) and organ	activities/projects/partnerships involving cities (e.g., city- izations at international level?				
	budget etc.	ject(s) including objectives, project partners, target, period,				
	□ No Sister City Kitakyushu City, Jap	an (in terms of waste segregation on Source)				
	JICA (in terms of waste segrega	tion on Source)				
	<ul><li>PT. Pupuk Indonesia (in terms of pilot projects processing organic waste into granule fertilizer)</li><li>PT. Biru Laut Persada (in terms of managing household waste oil)</li></ul>					
	1 1. Dru Laut I ersaua (in terms of managing household waste on)					



Q 6	What major future prospects or opportunities does your city have in 3R areas?         - Development with third parties in Organic Waste Management         - Development of Sludge Disposal Installation         - Development of Waste Cooking Oil into Energy         - Development landfill mining in TPAS Manggar         - Development anorganic recycling center         - Application Waste Management Technology in TPAS Manggar         - Waste Segragation on Source at all levels of society / government agencies / private / business entities / housing developers / hotels / restaurant / super and mini market						
Q 7 What type of 3R infrastructure the appropriate. Type of 3R infrastructure and facilities		re and facilities y Adequate/ Significant	our city is equipped v If adequate, how many treatment facilities (in	vith? Please tick Not-adequate / Non-significant			
			number)				
	□ waste collection facility		1				
	□ waste segregation facility		65				
	□ waste storage facility		443				
	□ waste processing & treatment facility		65				
	□ resource recovery facility		2				
	□ waste recycling facility		5				
	□ waste to energy facility		2				
	□ eco-industrial zones		22				
	□ science parks/theme parks relevant to 3R		7				
	$\Box$ others (please specify: )		1 Balikpapan Botanical Garden,				

	1 KWPLH, 1 Green City Nursery, 2 Protected forest, 5 Management							
	5 Mangrove Forest, 28 City Forest							
Q 8								
	- Development of waste segregation on source area							
	<ul> <li>Development of Compost House anf Rumah Kompos dan 3R Shelter</li> <li>Development MRF (Material Recovery Facilities)</li> </ul>							
	- Development Integrated Shelter							
	- Development Landfill Mining at TPAS Manggar							
	- Reducing of Disposable Plastic Shopping Bag							
	- Development Plan for Regional Waste Recycling Center							
Q 9	In response to the 2030 Agenda for Sustainable Development, in particular SDC (Water and Sanitation), SDG 11 (Make cities and human settlements inclusive, sa resilient and sustainable) and SDG 12 (Ensure sustainable consumption and product patterns), how your City is planning to advance 3R and resource efficiency relations measures?							
	<ul> <li>Sea desalination development plan</li> <li>Development Sludge Disposal Installation</li> <li>Development of Manggar Reservoir and Aji Raden Reservoir</li> <li>Waste to energy (gas methane) development</li> </ul>							
Q 10	What are the main challenges in your city concerning clean water, clean land and clean air? (Please answer the below points)							

	Do you regularly analyze the air pollution in laboratories (NOx, air particles and other pollutants)?	Yes	Ifyes,kindlywritefrequencyofanalyzing(number per month)One time a year by BATANWealsoanalyzewithanother equipment, such as:GentSampler,Passive	No		
	Do you regularly analyze the water contamination through chemically and biologically test (DO, heavy metal and microbial water quality)?		Sampler, AQMS. Ambien One time a year			
	Do you regularly analyze the soil pollution (disposal of hazardous and chemical waste)?		One time a year			
Q 11	In response to the New Urban Agenda, in particular Sustainable and inclusive urban prosperity and opportunities for all and Environmentally sustainable and resilient urban development, how your City is planning to contribute to safe, inclusive and resilient city building related to 3R and sustainable waste management areas? We already have 'Climate Village Program' and 'Clean Green and Healthy Program', where a village should be able to adapt and mitigate in Climate Change such as making biopores, absorption wells, reused water, rainwater harvesting, composting and ext.					
Q 12	[For Indian cities only], how is your city li Swachh Bharat Mission (Clean India I utilization of all waste streams in India wo Bharat Mission? If so, is your city equip and infrastructures towards circular econ	Mission ould ac oped w	n)? Do you think circular excelerate faster achievement of ith required 3R policies, prog	conomic Swachh rammes		

#### CITY REPORT: [City Name: Balikpapan City, Indonesia]

Kindly submitted to the Secretariat of the Regional 3R Forum in Asia and the **Pacific** by email to <u>3R@uncrd.or.jp</u> before <u>31 January 2018</u>. Thank you for your kind cooperation.