



China, People's Republic of: Green Circular Economy Zero Waste Cities

Project Name	Green Circular Economy Zero Waste Cities				
Project Number	54065-001				
Country	China, People's Republic of				
Project Status	Proposed				
Project Type / Modality of Assistance	Technical Assistance				
Source of Funding / Amount	<table border="1"> <tr> <td>TA: Green Circular Economy Zero Waste Cities</td> <td></td> </tr> <tr> <td>Technical Assistance Special Fund</td> <td>US\$ 667,000.00</td> </tr> </table>	TA: Green Circular Economy Zero Waste Cities		Technical Assistance Special Fund	US\$ 667,000.00
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Technical Assistance Special Fund	US\$ 667,000.00				
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth				
Drivers of Change	Knowledge solutions				
Sector / Subsector	Water and other urban infrastructure and services - Urban sanitation				
Gender Equity and Mainstreaming	Some gender elements				
Description	The Government of the People's Republic of China (PRC), with the National Development and Reform Commission, Qinghai Provincial Government, and Guangdong Provincial Government, has requested a knowledge and support technical assistance (TA) from the Asian Development Bank (ADB) to develop policy and capacity, technical guidance, and design of pilots to further advance and enable mainstreaming of green circular economy, zero waste cities in the PRC. The TA will have four outputs related to (i) advanced upstream circular production; (ii) downstream improved waste management and resource recovery; (iii) midstream improved packaging and logistics addressing growing waste from e-commerce; and (iv) build institutional capacity and linking upstream, midstream, and downstream into a circular system.				
Project Rationale and Linkage to Country/Regional Strategy	<p>The increasing amount of natural resources demand and consumption in the current linear economic model of "take-make-waste" along with continued urban and economic growth and increased well-being often associated with unsustainable consumption behavior are key challenges to a sustainable, low-carbon, and climate-resilient development, both in the PRC and around the world. Implementation of a holistic strategy of a green circular economy creating complete economic and product lifecycles and accounting for environmental and social costs are urgently needed. This is due to inefficient and wasteful upstream production, inadequate midstream packaging and logistics management, and weak downstream solid waste management. It will lead to massive increases of waste and environmental pollution. Products and processes need to internalize external costs, optimize natural resource use efficiency, and eventually eliminate the idea that anything is considered waste altogether.</p> <p>Some research from 2016 suggests that the PRC requires 2.5 kilograms of materials to generate \$1.0 of gross domestic product compared with 0.5 kilogram in Organisation of Economic Co-operation and Development countries. PRC solid waste production is forecasted by research in 2012 to reach 897.0 million metric tons per year by 2025. The rise of e-commerce packaging waste contributed to the overall increase of municipal solid waste in the PRC. This coincides with a growing urban population and economic growth associated with expected increase in demand for products and resources, while natural resources become more scarce. During the coronavirus disease (COVID-19) pandemic, e-commerce and medical single use plastics increased significantly compared to the same period in 2019.</p>				
Impact	Green development and ecological civilization in the PRC achieved				
Outcome	Green circular economy zero waste cities in the PRC enabled				
Outputs	Green circular industrial production plan of Qinghai Province advanced Zero municipal waste action plan for Guangdong Province developed Green circular e-commerce packaging and logistics pilot program for the PRC developed Capacity and institutions to implement green circular economy in the PRC enhanced				
Geographical Location	Nation-wide, Qinghai				
Summary of Environmental and Social Aspects					
Environmental Aspects					
Involuntary Resettlement					
Indigenous Peoples					
Stakeholder Communication, Participation, and Consultation					
During Project Design					
During Project Implementation					
Business Opportunities					
Procurement	ADB will engage the consultants following the ADB Procurement Policy (2017, as amended from time to time) and its associated project administration instructions and/or staff instructions. To deliver the expected outputs, a total of 18.5 person-months (1.5 person-months, international; and 17.0 person-months, national) of consulting inputs are required.				
Responsible ADB Officer	Rau, Stefan				
Responsible ADB Department	East Asia Department				

Responsible ADB Division

Urban and Social Sectors Division, EARD

Executing Agencies

National Development and Reform Commission
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Beijing 100824
China

Timetable

Concept Clearance	16 Oct 2020
Fact Finding	19 Oct 2020 to 21 Oct 2020
MRM	-
Approval	-
Last Review Mission	-
Last PDS Update	20 Oct 2020

Project Page <https://www.adb.org/projects/54065-001/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=54065-001>

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