



China, People's Republic of: Research on Methane Emission Reduction in Agriculture

Project Name	Research on Methane Emission Reduction in Agriculture				
Project Number	56051-001				
Country / Economy	China, People's Republic of				
Project Status	Approved				
Project Type / Modality of Assistance	Technical Assistance				
Source of Funding / Amount	<table border="1"> <tr> <td>TA 6995-PRC: Research on Methane Emission Reduction in Agriculture</td> <td></td> </tr> <tr> <td>Technical Assistance Special Fund</td> <td>US\$ 300,000.00</td> </tr> </table>	TA 6995-PRC: Research on Methane Emission Reduction in Agriculture		Technical Assistance Special Fund	US\$ 300,000.00
TA 6995-PRC: Research on Methane Emission Reduction in Agriculture					
Technical Assistance Special Fund	US\$ 300,000.00				
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth				
Drivers of Change	Gender Equity and Mainstreaming Governance and capacity development Knowledge solutions Private sector development				
Sector / Subsector	Agriculture, natural resources and rural development / Rural solid waste management				
Gender Equity and Mainstreaming	Some gender elements				
Description	The knowledge and support TA will identify the priority actions to be undertaken by the government of the PRC to reduce methane emissions from agriculture. Climate change adaptation and mitigation is one of the three strategic priorities of ADB's support to the PRC, which underscores the importance of promoting low-carbon development through institutional strengthening and policy reforms.				
Project Rationale and Linkage to Country/Regional Strategy	<p>The PRC government has been actively engaged in the global efforts to address climate change. In 2015, the PRC ratified the Paris Agreement on climate change. In September 2020, President Xi Jinping announced that the PRC will strengthen its nationally determined contributions by aiming to peak carbon emissions before 2030 and achieve carbon neutrality before 2060. Climate change adaptation and mitigation is also regarded as a major challenge to the rural vitalization in the PRC. The annual No.1 Central Policy Document on Agriculture and Rural Development released on 22 February 2022 called for integrated solutions to support climate change mitigation and rural vitalization in the PRC.</p> <p>Agriculture sector accounts for approximately 10% of the total GHG emissions in the PRC. GHG emissions from agriculture sector increased by 18% between 1990 and 2018 and methane emissions from beef and rice production are the major contributors to the growth in GHG emissions. Methane emissions from the agriculture sector account for 42% of the total CH4 emissions in the PRC and around 12%15% of global methane emissions from the agriculture sector. With increasing demand for livestock products in the PRC, methane emissions from the agriculture sector are expected to increase unless the sector adopts new technologies to reduce the intensity of methane emissions through awareness raising and developing enabling institutional and policy environment. At the same time, the reduction of methane emission from agriculture needs be achieved, while ensuring stable food supply to consumers and adequate farm income to producers. Integrated technical and business models are required to reduce emissions from agriculture in a wider rural development context.</p> <p>Insufficient understanding of challenges and opportunities to mitigate the methane emission from agriculture is a fundamental constraint for the PRC government to develop evidence-based policy strategy and action plan to mitigate methane emissions from agriculture. Moreover, lack of knowledge and capacity to adopt climate-smart technologies at the farm level and to design an integrated policy is a significant constraint to scale up the PRC's efforts to reduce GHG emissions from agriculture. Knowledge sharing activities on domestic and international best practice and focused trainings on climate-smart production practice would enhance agriculture sector's capacity to contribute to the PRC's climate change mitigation target.</p>				
Impact	Agriculture sector's contribution to realizing carbon neutrality by 2060 in the PRC enhanced				
Project Outcome					
Description of Outcome	Institutional and policy framework to reduce agricultural methane emissions improved				
Progress Toward Outcome					
Implementation Progress					
Description of Project Outputs	Challenges and opportunities to reduce agricultural methane emissions identified Policy recommendation and technical guidelines to reduce agricultural methane emissions prepared Knowledge and skills on reducing agricultural methane emissions enhanced				
Status of Implementation Progress (Outputs, Activities, and Issues)					
Geographical Location	Nation-wide				
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	
Consulting Services	A consulting firm will be recruited using the quality- and cost-based selection method, using a quality-cost ratio of 90:10 and biodata technical proposal according to the Asian Development Bank's (ADB) Procurement Policy (2017, as amended from time to time and Procurement Regulations for ADB Borrowers (2017, as amended from time to time).
Procurement	Procurement will follow the ADB Procurement Policy (2017, as amended from time to time) and the Procurement Regulations for ADB Borrowers (2017, as amended from time to time).
Responsible ADB Officer	Schinn, Dustin S.
Responsible ADB Department	East Asia Department
Responsible ADB Division	Environment, Natural Resources & Agriculture Division, EARD
Executing Agencies	Ministry of Agriculture and Rural Affairs
Timetable	
Concept Clearance	16 Aug 2022
Fact Finding	29 Aug 2022 to 29 Aug 2022
MRM	-
Approval	21 Nov 2022
Last Review Mission	-
Last PDS Update	22 Nov 2022

TA 6995-PRC

Financing Plan/TA Utilization						Cumulative Disbursements		
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
300,000.00	0.00	0.00	0.00	0.00	0.00	300,000.00	-	0.00

Project Page	https://www.adb.org/projects/56051-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=56051-001
Date Generated	23 November 2022

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