



Regional: Promoting Life Cycle Management of Fluorocarbons

Project Name	Promoting Life Cycle Management of Fluorocarbons
Project Number	54386-001
Country	Regional
Project Status	Proposed
Project Type / Modality of Assistance	Technical Assistance
Source of Funding / Amount	
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth
Drivers of Change	Knowledge solutions Partnerships
Sector / Subsector	Energy - Energy efficiency and conservation
Gender Equity and Mainstreaming	Some gender elements
Description	The knowledge and support technical assistance (TA) will support participating developing member countries (DMCs) of the Asian Development Bank (ADB) to promote the life cycle management of fluorocarbons. The life cycle management of fluorocarbons requires (i) development, manufacture, and use of climate-friendly refrigerants with zero or low global warming potential (GWP) as an alternative to fluorocarbons including replacement of old cooling equipment (upstream), and (ii) recovering, recycling, and destructing the discarded fluorocarbons (midstream and downstream). The replacement of old equipment with new technologies also enables energy efficiency and reduce carbon dioxide (CO2) emissions from energy sources.
Project Rationale and Linkage to Country/Regional Strategy	The TA will directly contribute to SDG 13.a and ADB's operational priority (OP) 3 by helping DMCs to address proper life cycle management of fluorocarbons, including energy efficiency in the cooling sector. In addition, the TA will contribute to SDG 5.5 and ADB's OP2 by ensuring women's full participation in capacity building and awareness raising opportunities that are to be provided. The TA will indirectly contribute to SDG 9.4 by preparing investment projects to develop infrastructure for the life cycle management of fluorocarbons and help industries in the cooling sector to be energy efficient and sustainable. Cooling systems, with proper life cycle management of fluorocarbons and energy efficient features, are indispensable for human health in hot climate regions, storing and transporting food and medical supplies, which has become more evident because of the coronavirus disease (COVID-19) pandemic. Improvement in cooling sectors will also enhance capacity and resilience to respond to COVID-19 and any such shocks in the future.
Impact	Use of zero/low GWP refrigerants in cooling sector increased in the participating DMCs, and use of energy efficient cooling technologies increased in the participating DMCs.
Outcome	DMCs' actions to address the life cycle management of fluorocarbons and energy efficiency in cooling sectors increased
Outputs	DMCs' capacity and awareness on the life cycle management of fluorocarbons increased Options for advanced technologies and innovative solutions suitable for each DMC's local practices related to the life cycle management of fluorocarbons identified Recommendations for the DMCs to address the life cycle management of fluorocarbons prepared
Geographical Location	Regional
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	Individual international and national consultants will be recruited through individual consultant selection.
Procurement	ADB will engage the consultants and carry out procurement following the ADB Procurement Policy (2017, as amended from time to time) and its associated project administration instructions and/or staff instructions.
Responsible ADB Officer	Duggal, Virender K.
Responsible ADB Department	Sustainable Development and Climate Change Department
Responsible ADB Division	SDCD
Executing Agencies	Asian Development Bank 6 ADB Avenue, Mandaluyong City 1550, Philippines

Timetable	
Concept Clearance	10 Feb 2021
Fact Finding	31 Jan 2021 to 31 Jan 2021
MRM	-
Approval	-
Last Review Mission	-
Last PDS Update	16 Feb 2021

Project Page	https://www.adb.org/projects/54386-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=54386-001
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