



Project Data Sheet

Project 54356-001

Project Name Electric Transportation and Charging Infrastructure

Project Number 54356-001

Country / Economy Indonesia

Project Status Closed

Project Type / Modality of Assistance Technical Assistance

Source of Funding / Amount **TA 6583-INO: Electric Transportation and Charging Infrastructure**
Republic of Korea e-Asia and Knowledge Partnership Fund US\$ 200,000.00

Operational Priorities OP6: Strengthening governance and institutional capacity

Sector / Subsector **Energy** / Energy efficiency and conservation

Gender No gender elements

Description The TA will contribute to the policy action on electric transportation included in the policy matrix for the forthcoming policy-based loan on Sustainable and Inclusive Energy Program (SIEP) Subprogram 3, which is expected to be cofinanced by the Economic Development Cooperation Fund of the Republic of Korea. The SIEP has been supporting Presidential Regulation 55/2019, which paved the way for the promotion of EV deployment including charging infrastructure in Indonesia. The proposed TA will support a deployment roadmap, feasibility studies, and implementing regulations on electric charging infrastructure, critical to boost EV deployment. The TA will also help inform the proposed results-based loan for the Sustainable and Reliable Energy Access Program which includes support for EV charging infrastructure in western and central Java.

Project Rationale and Linkage to Country/Regional Strategy	<p>The Government of Indonesia aims to promote EV deployment and production in Indonesia. In 2019, the President issued regulation number 55/2019 on the Acceleration of EV for Road Transportation. The regulation aims to establish a domestic EV manufacturing industry, including batteries and charging stations. The promotion of electric transportation is a key strategic priority under Indonesia's National Medium-Term Development Plan, 2020-2024, and line ministries are tasked with developing the implementing regulations related to road licensing (Ministry of Transport), battery and charging station standards, and electricity tariffs for EV charging (Ministry of Energy and Mineral Resources), import regulations (Ministry of Industry), and financial incentives (Ministry of Finance).</p> <p>The government's new strategy on promoting electric transportation aims to decrease the number of fossil-fueled vehicles to reduce emissions from combustion engines including carbon dioxide, nitrogen oxides, and sulfur oxides. Nitrogen oxides and sulfur oxides negatively impact air quality and health. In addition, the government is seeking to reduce oil consumption growth and oil imports to enhance energy security. Finally, the government intends to promote an innovative new technology and ensure that Indonesia is included in the new automotive production chain by increasing its local manufacturing capacity for EVs.</p> <p>At present, EVs cannot be road licensed in Indonesia as the implementing guidelines for the Presidential Regulation 55/2019 are still for approval by the respective line ministries. There are only 57 charging stations installed in 35 locations in Indonesia, and most of them are not fast-charging stations; but simple 220 volts for household connections to the grid are available in the majority of households. The TA will assess the government's plan to build 1,000 charging stations for an expected addition of 2,200 electric cars, 711,000 hybrid cars, and 2.13 million electric motorcycles by 2030.</p>
Impact	The TA will support Indonesia to promote the deployment and production of electric vehicles to reduce carbon dioxide and other emissions from transport fuels

Project Outcome

Description of Outcome	Charging infrastructure roadmap for electric vehicles in Indonesia developed
Progress Toward Outcome	

Implementation Progress

Description of Project Outputs	Study on charging infrastructure, electricity availability, and tariffs finalized
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

Responsible ADB Officer Kitt, Florian

Responsible ADB Department Southeast Asia Department

Responsible ADB Division Energy Division, SERD

Executing Agencies *Ministry of Energy and Mineral Resources*

Timetable

Concept Clearance	-
Fact Finding	22 May 2020 to 22 May 2020
MRM	-
Approval	27 Oct 2020
Last Review Mission	-
Last PDS Update	29 Oct 2020

TA 6583-INO

Milestones

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
27 Oct 2020	-	27 Oct 2020	31 Oct 2021	31 Oct 2022	27 Oct 2022

Financing Plan/TA Utilization

Cumulative Disbursements

Counterpart							Date	Amount
ADB	Cofinancing	Gov	Beneficiaries	Project Sponsor	Others	Total		
0.00	200,000.00	0.00	0.00	0.00	0.00	200,000.00	08 Nov 2022	160,813.95

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