Ministry of Public Works and Transport
Department of Transport

The Green Growth Forum 2022
Sectoral Innovations 2: Powering Forward with Electric Mobility

Presented by:
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How can LAO PDR scale up the electrification of its transport sector?

The transport sector is preparing or implementing plan to scale up the EV from 2022-2025, under the following:

1. Vientiane Sustainable Urban Transport project;
2. Cooperation plan;
3. Researching regulation.
1. Vientiane Sustainable Urban Transport project

- **Frame Work:** (2015-2025)
- **Project Financing Amount:** US$ 99,700,000
- **ADB Financing:** US$ 35,000,000
- **Cofinancing (ADB Administered):** US$ 16,840,000
- **Non-ADB Financing:** US$ 47,860,000

The target of this project:
- Improving transport system in urban;
- Providing public transportation services;
- To resolve traffic congestion;
- To reduce road accident cases;
- To reduce air pollution in urban.

Reference links:
- [Vientiane Sustainable Urban Transport project](#)
1. Vientiane Sustainable Urban Transport project

The Project has estimated plan to purchase the EV:

1. EV Bicycle 3 wheels: 150 unit;

2. EV Bus: 55 unit.
1. Vientiane Sustainable Urban Transport project
1. Vientiane Sustainable Urban Transport project

The project has estimated the fare of electric bus:

<table>
<thead>
<tr>
<th>Bus routes</th>
<th>New bus route</th>
<th>Estimated Fare</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>In 2022</td>
</tr>
<tr>
<td>BRT5A-6</td>
<td>BRT A</td>
<td>13156 KIP</td>
</tr>
<tr>
<td>BRT5B-2</td>
<td>BRT B</td>
<td>10536 KIP</td>
</tr>
<tr>
<td>BRT1-4N</td>
<td>BRT D</td>
<td>8855 KIP</td>
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2. Cooperation plan

➢ GGGI has a plan to implement the EV activities in 2023;
➢ Feasibility study project on Luang prabang smart city;
➢ Vientiane - Nongkhai Cable Car F/S by GIZ.
➢ Mekong - Lancang Cooperation Special Fund;
➢ Booyong company has unofficially planned to support and provide electric vehicles which has 100 units;
EV Technical Standards Development

Rationale and Priority Setting

Gap Analysis

Standardization

Total Cots of Ownership Analysis

EV Uptake Impact Analysis

Supporting Policies
Groundwork for e-mobility investments in Laos

- Project financed by Green Climate Fund and implemented by GGGI

<table>
<thead>
<tr>
<th>Activities</th>
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<tbody>
<tr>
<td>1 Update “Regulation on Ground Vehicles Registration and Management”, and “Regulation on Vehicles and Spare Parts Standards for Importation, Registration and Assembly to use in Lao PDR” to integrate EVs</td>
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<td>2 New policy incentive mechanism to accelerate the phaseout of fossil fuel vehicles</td>
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<td>3 EV training curriculum targeting government agencies and training sessions</td>
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<td>4 National scale EV Communication Strategy</td>
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<td>5 A public online platform to disseminate EV training materials as well as EV regulations</td>
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<td>6 Pre-feasibility study for an EV financing facility</td>
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<td>7 Develop one high quality GCF Concept Note to mobilize financing towards e-mobility transition</td>
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3. researching regulation related on the EV.

- Resolution no.08/gov.la (1);
- Land Motor Vehicle law no 04/ne.la(2);
- researching some regulations.

Reference links:
(1) Resolution no 08;
(2) Land Motor Vehicle Law.
Thank you for Attention