

Electrifying urban mobility

Funding window description under the Green Recovery Challenge Fund, a capacity-building fund to support low-carbon transitions and a green, resilient and inclusive economic recovery.

Around the world, **climate change poses a systemic risk** to economies and vulnerable communities. In the wake of COVID-19, these risks and impacts have been exacerbated, and many countries are responding to the pandemic with economic stimulus packages.

The transport sector is a major emitter of greenhouse gas emissions in Asia and is responsible for high levels of air pollution, especially in urban areas. There is a need for more sustainable patterns of transport to provide **cleaner air, particularly in densely populated and polluted cities.**

Location

Asia (Bangladesh, India, Indonesia, Thailand, Vietnam).

Malaysia is eligible to apply as part of a regional or multi-country project but should not be the primary beneficiary of any project proposal.*

*Countries that are part of the UK PACT Country Programmes should see <https://www.ukpact.co.uk/country-programmes> for further details.

Action

The COVID-19 pandemic provides a pivotal moment to re-assess past transportation policies and practices and course-correct to align with **Paris Agreement climate targets**, by advancing a vision for a more equitable, accessible, and cleaner **low-carbon transport** system.

To support the **Green Recovery**, sustainable transport practices, innovation, new business models and supporting infrastructure will play an important role in helping to achieve greener and more prosperous economies. The recent interest in electrifying urban transport presents a clear opportunity to contribute to more sustainable transport systems.

Scope

The UK PACT Green Recovery Challenge Fund will therefore support projects in the following areas:

- Preparing and **delivering action plans** to enable faster uptake of electric vehicles in **public transport** (e.g. e-buses and 3-Wheeler e-rickshaws, EVs) and **shared mobility** (e.g. 4-wheeler taxis and 2-Wheeler e-bikes).

- **Redesigning public transport networks** by analysing future mobility patterns and urban planning norms, considering the impact of electrification on the grid, tackling last mile connectivity and air quality issues.
- Developing **sustainable and scalable business models**, green procurement strategies and supporting ancillary services to accelerate the use of electric vehicles.

Not in scope

- Investing to commercialise new electric vehicle / charging technologies.
- Providing technical assistance to develop holistic national sustainable transport plans.
- Projects primarily focussed on supporting private transport use of EVs.

Example projects – (N.B. These are just to illustrate and are not an exhaustive list)

Types of projects include:

- Designing a **new business model** for the deployment of e-rickshaws and charging stations.
- Creating a **framework for selecting charging station sites** for public transport and shared mobility, assessing site readiness and system level planning.
- **Analysing grid impact of electric vehicles** and reviewing co-benefits and mitigating measures, e.g. managed charging, energy storage, time of day pricing.
- Developing **procurement models** combining green with gender equality and inclusion considerations to increase EV-use in public transport.
- Developing city-level **action plans** to scale up use of **e-buses**.

To find out more about the UK PACT Green Recovery Challenge Fund, to get in contact or to register your interest in being involved, please visit www.ukpact.co.uk/green-recovery-challenge-fund