



# Comments & Recommendations Regarding Electric Vehicle Charging Stations (EVCS) in Sri Lanka

Suggestions & Comments By Associated Motorways (Privet) Limited



## Maintaining And Updating A Register Of Authorized Electric Vehicle Charging Stations (EVCS) At CEB and Lanka Electricity Company (Private) Limited.

- Highly recommended to maintain a register of authorized EVCS used for commercial purposes
- Providing certification to authorized locations for consumer assurance.



## Code Of Practice For EVCS

- It's recommended to have a definitive guideline to maintain uniformity & Best practices in respect to Safety, Rates & Etc.

### *Example*

- *Global stranded, EV charging equipment to be installed, in-line with international guidelines and regulations.*
- *Installation work for electrical equipment & electric wiring to be approved by CEB or LECO*



# Determination Of End-user Tariffs, Safety & Other Technical Standards For EVCS

## **Tariffs**

The rate for charging to be based on Kilowatt hour (kWh) and rate to be differentiated according to the type of charging (slow & Express charging)

## **Safety**

Considering the risks involved is mainly electrical concerns, the wiring & electrical equipment are to be in line with industry standards and regulations.



## Rights & Obligations Statements For Consumer Of EVCS

- Recommended to have an insurance scheme in place at EVCS for consumers in case of any damages caused due to charging.



## Issues Faced By EVCS And Consumers Of Such Centers

- EVCS are faced with inability to sell electricity to a third-party due to government constants, currently there is no clear policy in place.



## Issues Related To Residential Charging Facilities

- High consumption of electricity, resulting in substantial monthly bill values. This is due to the cost per units, calculated in standard rates,
- Suggested to provide home users a separate meter with a special rate and CEB or LECO to certify the wiring circuit used to fix the domestic charging unit.



# Concerns In Terms Of Electric Vehicles Used In Sri Lanka

## **Battery Recycling & Disposal**

EV batteries contain toxic chemicals, and if not disposed in the correct process it can cause contamination and lead to environmental damage.

Recommend, batteries to be disposed according to manufacture guidelines by authorized service dealers.





# Concerns In Terms Of Electric Vehicles Used In Sri Lanka

## Concessions In EV Replacement

We suggest to provide concessions to import batteries.

Qualification for the Import or special concession to be provided via a manufacturer certification to the relevant government entity by certifying that the used battery has been properly disposed according to the standard guidelines



# Concerns In Terms Of Electric Vehicles Used In Sri Lanka

## Concerns In Sales Of Gray Market EV In Sri Lanka

Lifespan of the EV battery is approximately 8 years (depending on the usage).

In order to maximize the vehicle usage locally. We suggest to have limitations in vehicles imported to Sri Lanka to be not more than 6 months old (from date of manufacture).



THANK YOU