

PREFACE

Fuel-based vehicles are highly responsible for major air pollution across the world. India is no exception in this. Along with this the continuous decrease in fuel with increasing demand is also a huge concern. To avoid both the situation Electric Vehicles are potential to deal with the needs of transportation and are cleanest transportation technology for the world. Transportation industry started to inclined towards EV for many reasons but problems associate with it are lack of charging infrastructure, cost, risk and these problems directly influenced the adoption rate of EV in India.

The major problem with EV adoption in India is people have to deal with "range anxiety" as there are not enough number of EV charging stations in current scenario though it's increasing in number with the increasing rate of purchased Electric Vehicles. So, a spatially sound distributed EV charging station is very much required today. Multi-criteria site suitability analysis methodology address to understand the complexity of the distribution of EV across the Pune district and suggestable location for further installation and established a clean transport system for environment at the same time helps it stakeholders mainly users to reduce the "range anxiety" while driving.