

A STEP TOWARDS SUSTAINABILITY

Development of EV infrastructure





PROBLEMS:

- Insufficient charging stations
- Quite long duration for charging batteries
- ☐ Higher prices of EVs compared to fuel vehicles
- Low Mileage
- Improper management of space in existing charging station







SOLUTIONS:

■ Swapping AC chargers with the DC ones:

This will speed up charging speed of the batteries.

□ Establishing connections with malls and petrol pumps:

We will be converting some part of mall parking space into charging station. This would help connecting our company with a wider range of customers.

Use of Government Subsidies:

Government is offering subsidies of about 70 percent to establish a charging station. Using these will help us manage our investment capitals.













Proper Space Management:

Changing the existing style of infrastructure to a way which would allow more number of vehicles to access the charging station at the instant.

☐ Use of SOLAR resources:

We will cover the top of our charging station with solar plates providing a sustainable method for developing power.

□. Provide Charge And Chill Stations:

An EV battery cannot be charged quickly. People could be having a coffee chilling out in a lounge reading a book or having a snack or a meal, or in some cases even watching a movie. This would encourage more people to use EVs.







- Civil Work & Electricity connection: 9 Lakhs
- EVSE Management Software &

Integration : 0.5 Lakhs

TOTAL :9.5 Lakhs

Deducting Government subsidy(70%)

<u>TOTAL INSTALLATION CHARGES</u> = 2.9 Lakhs

☐ Land Lease per year :6 Lakhs

(if the land is at lease)

☐ Technicians, Manpower,

Maintenance per year : 3.5 Lakhs

☐ Advertising and Promotion :0.5 Lakhs

□ ANNUAL MAINTENANCE CHARGES = 10 Lakhs







REVENUE

Market Size:

(Customers)*(Cost of charging)

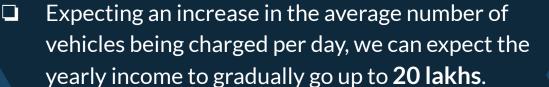




Average rate of charging :₹ 120

Total income per year : 35*120*365

= **15.3** lakhs





- ☐ Installation Charges : 2.9 Lakhs
- ☐ Annual Maintenance Charges: 10 Lakhs

This sums up to an initial investment of 13 Lakhs



POSSIBLE RETURNS:

Assuming everything goes right then we will be able to compensate the money in about **1** year.





MARKETING STRATEGIES

- Social Media
- Collaboration with Google Maps to provide information for the location of the charging stations
- Professional & mobile-friendly website and search engine optimization
- Social media
- ☐ Email marketing, through weekly or monthly articles on eco-friendly practices that will appeal to EV owners
- □ Provision of comprehensive information booklets onEV usage and charging at car dealerships









AIM OF THE PROJECT:



- ☐ To make EV charging stations more easily accessible
- ☐ To provide an incentive to vehicle owners to switch to more sustainable options for the good of the environment
- ☐ To create more awareness about the opportunities in the EV sector
- To collaborate with corporations to make commuting across campus easy and eco-friendly
- ☐ To eventually expand to the public transport sector to reduce the carbon footprint of urban areas







THANK YOU!









Vipul Patil



Aayushi Barve



Krishna Baldwa





<u>Business Model Canvas</u>

Designed for: TRAUM

Designed by: Krishna, Aayushi, Vipul

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Version

Key Partners



Government

(for subsidies) Property Holder

(for land at lease)

Suppliers of Electrical machinery & Electricity

Installers & Maintenance personnel

E-bike leasing companies (for last mile

connectivity) Certification Authorities **Key Activities**



▼-Maintenance

Construction

🚏 Sales & Marketing



Key Resources



Power

TEquipments

🛖 E-bikes(for last mile connectivity)



Value Propositions 🔐



Increased network for charging stations.

Improving charging speed to save time.

🔽 Providing an alternate source of energy through solar power in case of fluctuating electricity.

Last mile connectivityalternate, quicker mode of transport for short distances.

Vehicle accountability-E-bikes are easier to keep track

Reduction of pollution

Customer Relationships



Customer-owner relation.

Low cost charging station network.

will also provide information

dealerships on purchase of a

of charaina stations will be

available on Google Maps.

vehicle, or on demand, Locations

booklets right at your car



Customer Segments 5



EV owners:

Customers those who will be using charging station.

Travellers:

Channels

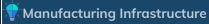


Those will be the users of the last reaarding our charging stations mile connectivity from our social media pages and concept will also receive emails regarding other eco-friendly initiatives. We

Green community:

These would encourage more and more people to switch to EV.

Cost Structure



: Electricity

📆 Advertisement





Maintenance of lounge



Revenue stream



Services





Energy Production



Charge and chill Station



Grants





