



Ministry of Micro, Small and Medium Enterprises,
Government of India



MSME TECHNOLOGY CENTRE, GREATER NOIDA

MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES, GOVT. OF INDIA

Plot No. – 3, Ecotech – VIII, Greater Noida Industrial Development Area, Greater Noida

BRIEF DESCRIPTION OF TRAINING PROGRAMME

About the training

Government of India has undertaken multiple initiatives to promote manufacturing and adoption of electric vehicles in India. With the support of the Government, electric vehicles have started penetrating in the Indian Market.

However, availability of adequate Charging Infrastructure is one of the key requirements for accelerated adoption of electric vehicles in India. It is proposed to encourage this by laying down an enabling framework.

Objective

- To enable faster adoption of electric vehicles in India by ensuring safe, reliable, accessible and affordable Charging Infrastructure and eco-system
- To promote affordable tariff chargeable from EV owners and Charge Stations Operators/Owners
- To generate employment/income opportunities for small entrepreneurs
- To proactively support creation of EV Charging Infrastructure in the initial phase and eventually create market for EV Charging business
- To encourage preparedness of Electrical Distribution System to adopt EV Charging Infrastructure.

Topics to be covered:

Day 1:

- Energy and pollution scenario in India and Globe
- Electric Vehicles market in India and Globe
- Few Models of electric vehicles – price, speed, mileage
- Basic working of Electrical vehicle , EV vs BS6
- Electric vehicle policy - state/central
- Business models in EV market
- EV Charging Stations & Technologies
- Types of Charging Stations
- Implementation Mechanism
- EV Stations Infrastructures & Business Opportunities
- Public Charging Infrastructure requirements
- Locations of Public Charging Stations (PCS)
- Database of Public EV Charging Stations
- Tariff rate for Supply Electricity to EV PCS

Day 2:

- Business Opportunities/Models for EV Charging stations/ Rate Contract/ Land Leasing etc.
- Solar-Powered EV Charging stations
- Solar PV based EV Charging Station Technology

- Solar PV Charging Connectivity Loads
- Viability of EVs in India: A Public Opinion Survey
- Case Studies of charging stations and EV maintenance
- Battery Swapping Station
- Impact on Charging Infrastructure
- EV Charging Business Model
- Challenges in the EV market
- Categories Based of Electric Vehicles
- Charging Stations/ Loads/ kW/ kM/ Power Capacity ranges etc.