3 Day Training Program on
ELECTRIC VEHICLES (EVs) CHARGING STATION INFRASTRUCTURE & MANUFACTURING TECHNOLOGIES

[Prospectus for EV Technologies & Charging Stations Business Opportunities]

18 - 20 November, 2020

National Institute for Micro, Small and Medium Enterprises
(An Organisation of the Ministry of MSME, Govt. of India and ISO 9001-2015 Certified)

Yousufguda, Hyderabad - 500 045, India
3-Day Training Programme on
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Rationale

In India, the automobile industry is one of the key segments driving economic growth; and at the same time, one of the principal contributors to pollution and making India dependent on overseas oil. So, with the government’s sights firmly set on making India a nation chiefly running on electric transportation by 2030, Electric Vehicles (EVs) have to make their place, despite their share of challenges in terms of manufacturing infrastructure and also the opportunities they can bring in. The analyses what the future of electric vehicles in the country looks like, are Indians ready for them and what are the areas manufacturers need to look into.

Electric Vehicle’s (EVs) Manufacturing in India Opportunities & Challenges

Governments of India have undertaken multiple initiatives to promote manufacturing and adoption of electric vehicles in India. With 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.

With this background, ni-msme is proposed to organize a 3 day training programme on Prospectus for EV Technologies & Charging Stations Business Opportunities scheduled on 18-20 November 2020.

Objectives

Electric Vehicles (EVs) Charging Station’s Technology & Infrastructure

- 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 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.
Establishment of EVs Charging Stations

- Charging stations established at public places to charge electric vehicles at
- Residential/ Commercial purpose,
- State/Central Govt. Complex’s,
- Semi-restricted premises for Commercial/ Non-Commercials.

Content/Modules

Day-1 Programme

(Electric Vehicle and Charging Station Technologies, Infrastructure, Batteries & Services)

Electric Vehicles (EVs)

- Design, Technology & Mechanism., EVs System Supply Chain.
- EV Manufacturing Technologies & Battery Cells. EV Integration, Battery swapping EV
  Charging Stations (EVCS)
- Technologies & Infrastructures EV Trends & Business Opportunities
- EV Public Charging Infrastructure requirements Locations of Public Charging Stations
  (PCS)
- Database of Public EV Charging Stations AC/DC - Types of Charging Stations, Load
  Connectivity & Implementation Mechanism
- Faster Adoption Manufacturing (Hybrid) & Electric Vehicle (FAME) Phase &
  Prospectus for initiates

Day 2- Programme

Site Visit - Electric Vehicle’s & Charging’s Station Technologies)

II. Electric Vehicle’s – Technologies □ Electric Vehicle Workshop □ (2 & 4 Wheeler Car
Demonstration (EESL) □ EV Design, Controller & Termination □ EV Batteries
Connectivity. □ EV system Integration & Supply Chain □ EV Testing & Mechanism
□ EV Recharging Services & Batteries Swapping, under Central / State Government
Policies/ Schemes □ Tariff rate for Supply Electricity to EV PCS
□ Banks viewers, Loan Types, SME Loans, DPRs etc.

Day 3- Programme

III. Electric Vehicle – Charging Station Technologies

□ EV Charging Station – Demo’s (Delta EV Chargers) □ EV Charging Stations Installation &
Connectivity □ Types of Charging Station, Protocols & Load parameters. □ AC/ DC (Slow &
Fast) Charging Systems. □ EV Charging Station Load/Power Connectivity Types of DC/AC
Power/ Voltages ranges.
WHO SHOULD ATTEND

Educated unemployed youth, Automobile Industries workers, Industrial Executives, Persons working in the area of environment, chemistry and from automobile industries, educational organizations and research institutes can also participate to know the recent developments in the EV technologies, Engineers Entrepreneurs, start ups, Budding and Prospective Entrepreneurs may also participate to enhance their knowledge.

TRAINING METHODOLOGY
Interactive classroom sessions, Lectures, PPTs, Case studies and hands on training.

Programme Dates: 18 -20 November, 2020
Timings : 9.30 am to 5.00 pm
Venue : ni-msme campus, Yousufguda, Hyderabad

Registration Fee

Rs. 10,000/- in addition 18% GST is applicable, (Fee Includes course fee, training kit, participation certificate) course fee should be remitted through a Demand Draft drawn in favour of ni-msme, payable at Hyderabad well in advance of the programme.

ni-msme Bank Account details for online payment

Name of the Bank : State Bank of India
Branch Name : Balkampet
IFSC Code : SBIN0003607

Recipient Name : ni-msme, Hyderabad
Account No : 00000030760656383

For further Details Please Contact

Programme Director:
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Please forward all your nominations to the following address

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