+44 20 8123 2220
info@marketpublishers.com

Quantifying the Emerging Multi-Billion Business opportunity in India's push towards all-Electric Vehicles by 2030: What will it take to translate vision to reality

https://marketpublishers.com/r/QC2508B580BEN.html
Date: September 2017
Pages: 381
Price: US$ 4,720.00 (Single User License)
ID: QC2508B580BEN

Abstracts

Since the announcement of India’s ambitious target for an all-Electric Vehicles by 2030, almost every company is in a rush to draw out its EV strategy & the role it can play. Electric Vehicle has slowly and steadily marked its presence globally and with every passing year its coming closer to rapid scale commercialization. However, achieving all-electric vehicles vision by 2030 will not be an easy drive, given that the country has made limited progress in electric mobility since the announcement of the National Electric Mobility Mission Plan in 2013. The NEMMP plan aims to achieve national fuel security by promoting hybrid and electric vehicles in the country and has earmarked an ambitious target to achieve 6-7 million sales of hybrid and electric vehicles year on year from 2020 onwards. Also, Government of India has notified FAME India Scheme [Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India] for implementation with effect from 1st April 2015, with the objective to support hybrid/electric vehicles market development and Manufacturing eco-system. The FAME India Scheme is aimed at incentivizing all vehicle segments i.e. 2 Wheeler, 3 Wheeler Auto, Passenger 4 Wheeler Vehicle, Light Commercial Vehicles and Buses. The scheme covers Hybrid & Electric technologies like Mild Hybrid, Strong Hybrid, and Plug in Hybrid & Battery Electric Vehicles. During the Financial Year 2015-16, an amount of Rs. 75 Crore was allocated for this scheme, which was almost fully utilized and has budget allocation of 122.90 crore in the financial year 2016-17.

Sales of electric vehicles in India grew by 37.5% to 22,000 units in the year 2015-16 against 16000 sold in 2014-15. At these levels, India remains miles away from its objective of selling 6 million electric vehicles by 2020, a vision stated by the government

+44 20 8123 2220
info@marketpublishers.com

through the National Electric Mobility Mission Plan (NEMMP) 2020 and FAME (Faster Adoption and Manufacturing of Electric Vehicles). Compare this with China, which registered as many as 352,000 new electric vehicles (EV) in 2016, compared to only 159,000 cars registered in the US during the same time period. China’s tryst with electric mobility started way back in 90s, witnessed the world's most spectacular growth in two-wheeled electric vehicles and annual sales of bicycles and scooters grew from fifty six thousand in 1998 to over twenty one million in 2008. In 2001, China started its EV programme "863 EV Project" and within less than 12 years its become leader in the EV space, China sells about 100000 electric buses in 2016-17 and this bigger than the total bus market in India.

Hence, it's paramount to understand how countries like China, US, Sweden and other achieved the EV transformation. As India will have to start execution right away to achieve even 50% of what it targets by 2030. InfraInsights research report "Quantifying the Emerging Multi-Billion Business opportunity in India's push towards all-Electric Vehicles by 2030: What will it take to translate vision to reality?" aims to provide in depth analysis on how other countries achieved EV objective, roles played by different stakeholders, issues and challenges faced, business models followed, business opportunity that emerged, so that Indian companies rushing into the EV opportunity can take an informed decision. This report aims to provide data, analysis & insights that can help companies quantify the opportunity and prioritize their EV game plan.

+44 20 8123 2220
info@marketpublishers.com

Contents

1. EXECUTIVE SUMMARY

2. RESEARCH METHODOLOGY

3. ELECTRIC VEHICLE VALUE CHAIN

a. Raw Material Suppliers
b. Component Suppliers
c. Automobile Manufacturers
d. Electric Utility Service Providers
e. Consumers
f. Dealer / Distributor

4. ELECTRIC VEHICLE MARKET DYNAMICS – VARIABLES THAT INFLUENCE

5. GLOBAL TRENDS

a. Electric Vehicle Evolution
b. Electric Vehicle Adoption
c. Electric Vehicle Sales
d. Electric Vehicle OEMs
e. Electric Vehicle Price
f. S Curve Analysis
  i. Prototype
  ii. Test
  iii. Industrialization

6. SUCCESS & FAILURES IN THE EV SPACE ACROSS SELECT MARKETS

a. China, US, Japan, Nordic Countries, Europe & UK

7. GLOBAL MARKET SIZE AND SHARE FOR EV

a. By Technology
a. Hybrid EV
b. PHEV
c. BEV

+44 20 8123 2220
info@marketpublishers.com

a. By OEMs
b. By Power Source
a. Stored Electricity
b. On Board Electric Generator
c. By Power Train
a. Series Hybrid
b. Parallel Hybrid
c. Combined Hybrid

8. EV IN PORTFOLIO OF GLOBAL AUTO OEMS

9. DETAILED CASE STUDY ON CHINA'S EV PROGRAM – HOW CHINA CHAMPIONED THE EV SPACE TO BECOME WORLD LEADER?

a. EV Market in China – Key Statistics
b. EV Market in China – Key Statistics About China's EV Program: Envision to Reality
i. Key drivers towards EV
ii. Roadmap
5 million electric passenger vehicles and buses on the road by 2020
iii. Journey So far
iv. Challenges faced
a. Regulation & Policy Framework for OEMs, Consumers, Utility Cos
i. Regulations
ii. Policies
iii. Incentives / Penalty
iv. Industry Consortium
b. Governance Framework
i. EV Ecosystem & Key Actors
c. EV Market Development & Growth
i. OEMs
ii. Auto Component Makers
iii. Consumers
iv. Charging Infrastructure
d. EV Business Models
i. What India can emulate?
ii. What different companies aspiring to plunge into India’s EV Euphoria can learn from China?
e. Size of EV Market in China
i. EV Production

+44 20 8123 2220
info@marketpublishers.com

CARs
M&HCV
2 Wheelers
ii. EV Imports
f. Companies that have benefited in China's EV Market
i. Automobile Manufacturers
ii. Battery Manufacturers
iii. Charging Stations Manufacturers
iv. Utilities
China State Grid

10. TOP COMPANIES THAT GAINED FROM THE GLOBAL EV BOOM

11. GLOBAL M&A IN EV SPACE

12. EV MARKET IN INDIA – JOURNEY SO FAR

a. Growth of EV in India
i. Yearly Sales
ii. Cumulative number of vehicles
iii. City-wise spread of EV
b. Policy Framework
i. FAME Programme
ii. National Electric Mobility Mission Plan (Nemmp) 2020
c. EV OEMs in India
i. Initiatives taken by Automobile Manufacturers
d. EV Infrastructure in India
e. Challenges & Constraints
f. Consumers Study on EV Experience So far

13. EV MARKET IN INDIA – BY 2030

a. Estimating Population of EV Vehicles by 2030; Starting 2020 government makes strong EV pitch with aim of achieving 2030 target
i. New energy vehicles
ii. Replacement of traditional vehicle
iii. Scenarios
Optimistic – All EV by 2030
BAU – 25-30% EV by 2030

+44 20 8123 2220
info@marketpublishers.com

Pessimistic – 10% EV by 2030
b. Charging Infrastructure
i. Charging ecosystem required
Residential
Public
ii. Sizing number of charging stations required for an all-electric mobility ecosystem
iii. Charging power source network
c. EV Manufacturing capability required
i. Current EV Capability
ii. EV Manufacturing capacity required by 2030
d. Battery Manufacturing capability required
e. Impact on Demand for Power
i. Incremental Capacity required to support all EV fleet by 2030
ii. Sizing the anticipated power consumption likely to come from EV space by 2030

14. OPPORTUNITY IN RETROFIT OF PETROL & DIESEL VEHICLES TO HYBRID ELECTRIC

a. Regulation
b. Success so far
c. Projection opportunity

15. OPPORTUNITY FOR THE AUTOMOBILE MANUFACTURERS

a. Projecting the EV Demand in India by 2030
b. Sizing
c. Go To Market Strategy
d. Issues & Challenges

16. OPPORTUNITY FOR CHARGING EQUIPMENT & CHARGING FACILITY PROVIDERS

a. Sizing
b. Go To Market Strategy; how global companies nailed it
c. Issues & Challenges

17. OPPORTUNITY FOR POWER UTILITIES

a. Sizing

+44 20 8123 2220
info@marketpublishers.com

b. Go To Market Strategy; how global companies nailed it
c. Issues & Challenges

18. OPPORTUNITY FOR AUTO COMPONENT MANUFACTURERS

a. Changes to be embraced for EV opportunity
b. Learning from global auto component manufacturers supplying to EV OEMs

19. OPPORTUNITY FOR BATTERY MANUFACTURERS

a. Sizing
b. Go To Market Strategy; how global companies nailed it
c. Issues & Challenges

20. NATIONWIDE SURVEY OF CONSUMERS (INSTITUTIONAL & RETAIL) TO UNDERSTAND WILLINGNESS AND FACTOR THAT WILL DRIVE THEM TO EV

a. Willingness
b. Key Concerns
c. Government Support

21. EVALUATING EV PLANS OF NON – AUTOMOBILE COMPANIES

a. NTPC
b. Power Grid
c. JSW
d. Others

22. EVALUATING EV PLANS OF LEADING AUTOMOBILE OEMS

23. EVALUATING GLOBAL AUTO OEMS EV STRATEGY & EXECUTION

a. Total Revenue
b. Estimated Market Share
c. Preferred Strategy
d. Market Presence

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Quantifying the Emerging Multi-Billion Business opportunity in India's push towards all-Electric Vehicles by 2030: What will it take to translate vision to reality

Product link: https://marketpublishers.com/r/QC2508B580BEN.html

Price: US$ 4,720.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/QC2508B580BEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

+44 20 8123 2220
info@marketpublishers.com