

# Rethinking Urban Mobility: State of Electric Vehicle policies in India



The infobrief aims to look at the stages of Electric Vehicles (EV) policies across India. A total of 16 state and Delhi have EV Policy either in draft stage or finalised version as on 31st May 2021 . We will also illustrate the key policies in various sector that each state is taking up for upscaling EVs in India

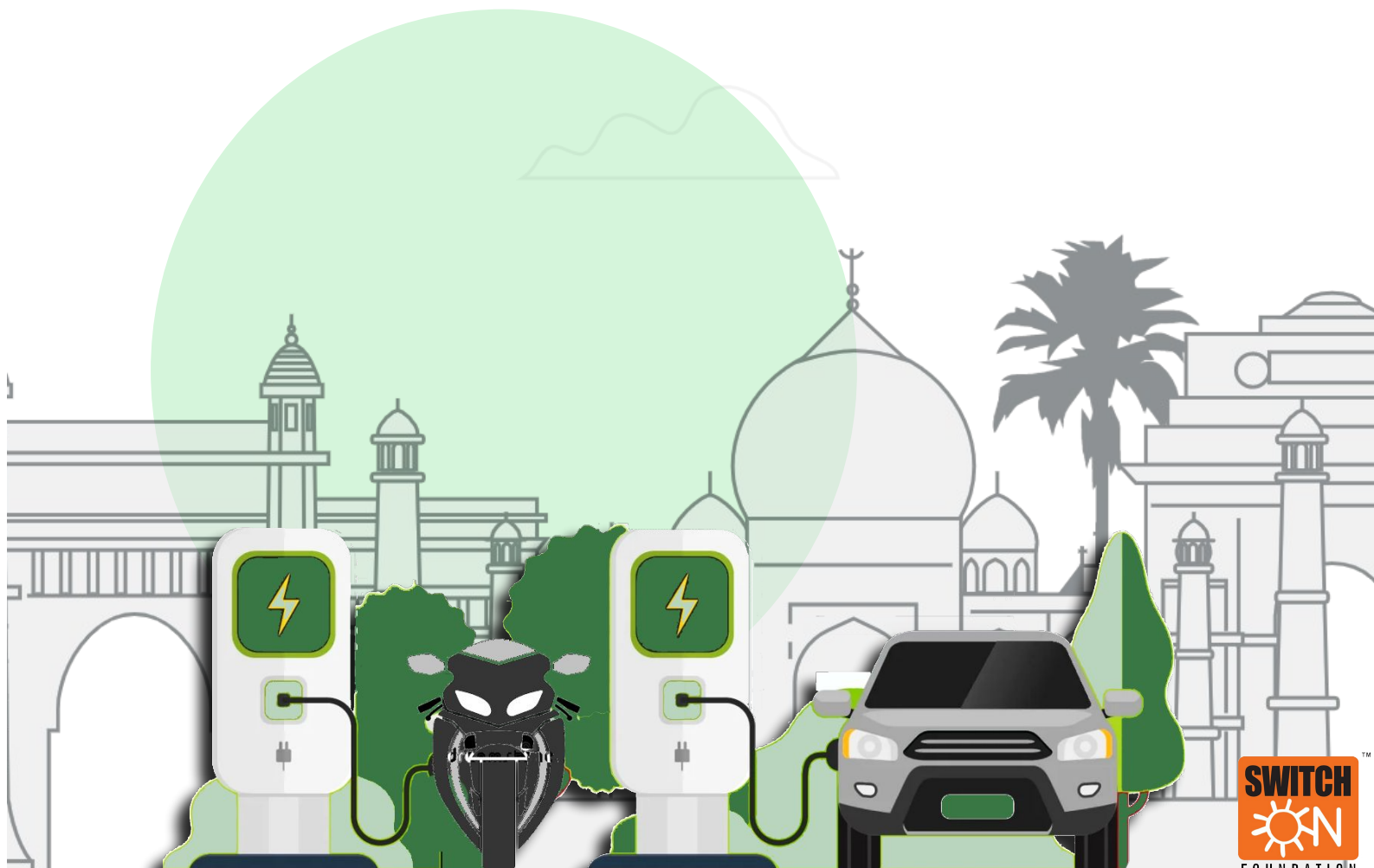
## EV POLICY DEMAND AND SUPPLY SECTORS

### Supply Side

Manufacturing and Research and Development

### Demand Side

Consumer Demand incentives and tax based policies and other subsidy and incentives






# EV POLICY STAGES ACROSS INDIA



Several states have their EV policies in place. While some of them are in draft stage, others have a working policy. This section will illustrate which are the states already working towards their EV policies


17


Total states with EV Policies

-  **Notified Policies**
-  **Draft Policies**
-  **States without EV Policies**




**5** States with notified EV Policies

 **Karnataka | 2017**  
Valid: 5 years

 **Andhra Pradesh | 2018**  
Valid: 5 years

 **Tamil Nadu | 2019**  
Valid: 3 years

 **Delhi | 2020**  
Valid: 3 years

 **Meghalaya | 2021**  
Valid: 5 years

**12** States with draft EV Policies awaiting approval


 **Gujarat | 2017**  
Valid: 5 years

 **Telangana | 2017**  
Valid: 5 years

 **Himachal Pradesh | 2017**  
Valid: 5 years


 **Madhya Pradesh | 2017**  
Valid: 5 years


 **Kerala | 2018**  
Valid: 5 years

 **Uttar Pradesh | 2018**  
Valid: 5 years

 **Uttarakhand | 2018**  
Valid: 5 years

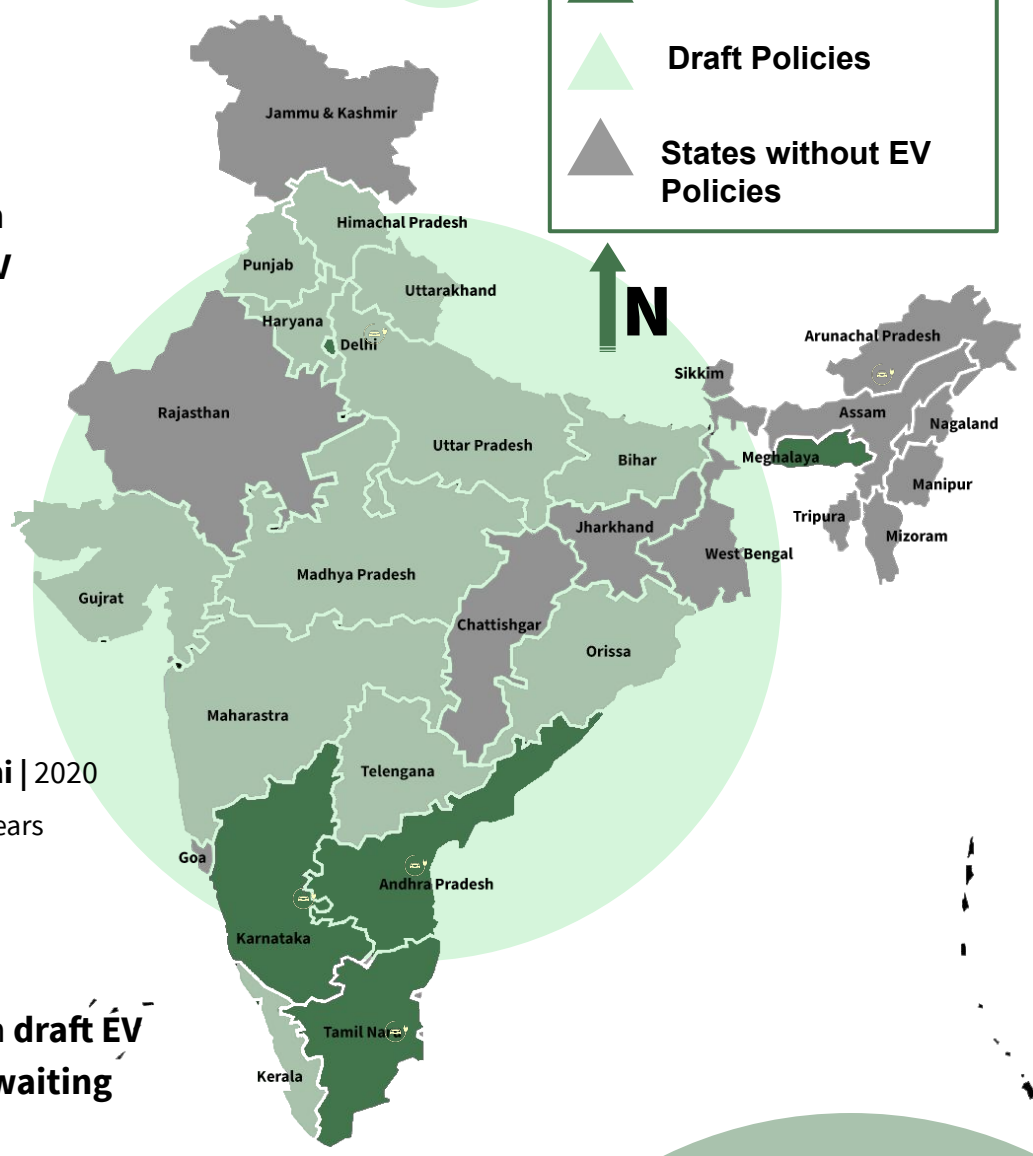
 **Bihar | 2019**  
Valid: 5 years

 **Haryana | 2019**  
Valid: 5 years

 **Punjab | 2020**  
Valid: 5 years

 **Maharashtra | 2021**  
Valid: 5 years

 **Odisha | 2021**  
Valid: 5 years



# Supply side policy instruments for scaling EV adoption in the Indian State



This section will illustrate the policies of the state in terms of producing viable EVs and EV related infrastructures across India. The policies are divided into:



**Manufacturing and charging** related policies



**Research and Development Policies**

## 1 DELHI

Public Charging infrastructure at least every **3 KM**

Design **vocational courses** with original equipment manufacturers, energy operators and battery-swapping operators

## 2 TAMIL NADU

Attract **50,000 Cr INR investment** in EV manufacturing and create **1.5 lakh new jobs**

Recycle and reuse **used batteries** and dispose of the rejected batteries in an **environmentally friendly manner**

## 3 UTTARAKHAND

Set up a **single-window clearance system** to simplify the process of approvals for manufacturing units.

Subsidy-driven R&D in **hydrogen-powered fuel cells** and **solar-powered cells**.

## 4 KARNATAKA

Reimburse **100% of land conversion fees** for industrial use for setting up **EV/component manufacturing units**

Research hub called "**Karnataka Electric Mobility Research & Innovation Centre**" to be commissioned.

## 5 ANDHRA PRADESH

Allocation of 200 - 400 hectares land to develop **EV Parks**

Innovation through **grants and venture funds** for developing battery, fuel cell, etc

## 6 MAHARASHTRA

The state has identified a **packaged scheme of incentives for micro, small and medium enterprises (MSMEs)** and large manufacturing units.



## 7 UTTAR PRADESH

Have **2 lakh charging** (fast, slow and swapping) stations

Industrial Research **subsidy of 5%** per annum upto **INR 1 crore per unit**

## BIHAR

Prioritizes **electrification of rickshaws** and plans to convert all paddle rickshaws to **e-rickshaws by 2022**

This is not a comprehensive list, but only some key policies are mentioned

## 9 KERALA



EV manufacturing units will attract financial and regulatory benefits.



Establish centres of excellence for various components of EVs & database to help drivers locate the nearest charging stations. Create e-mobility demonstration hubs.

## 10 PUNJAB



EV manufacturing :  
100% reimbursement of net SGST Employment generation subsidy INR 36000 for male and INR 48,000 per female employee per year  
100% exemption from CLU/EDU charges. 100% exemption from electricity duty

Special incentives to have e-tractor manufacturing as an anchor industry.

## 11 MADHYA PRADESH



75% assistance (maximum of INR 2 crore) to be provided to medium, large and mega scale industrial units for developing power, water & road infrastructure. Govt. may provide land at 99 years lease

## 12 MEGHALAYA



Attractive electricity tariffs and priority electricity connections for EV manufacturers.



Meghalaya Electric Vehicle Adoption Fund (MEVAF) to be set up & funded by pollution cess levied @10 paisa/litre of petrol or diesel on ICE vehicles.

## 13 HIMACHAL PRADESH



One hundred percent exemption from electricity duty for EV charging stations

## 14 TELANGANA



Investments worth \$3.0 billion and support for charging infrastructure deployment. Which leads 20,000 jobs by 2025.



Innovation Funds for financial support to EV OEMs, ancillaries. T-Hub, India's biggest incubation centre. launched a Smart Mobility

## 15 ODISHA



Grant for the purchase of charging equipment up to INR 5000. (First 20,000 CP)

100% SGST reimbursement to the energy operators for purchase of batteries to be used in swapping stations. (First 500)

## 16 HARYANA



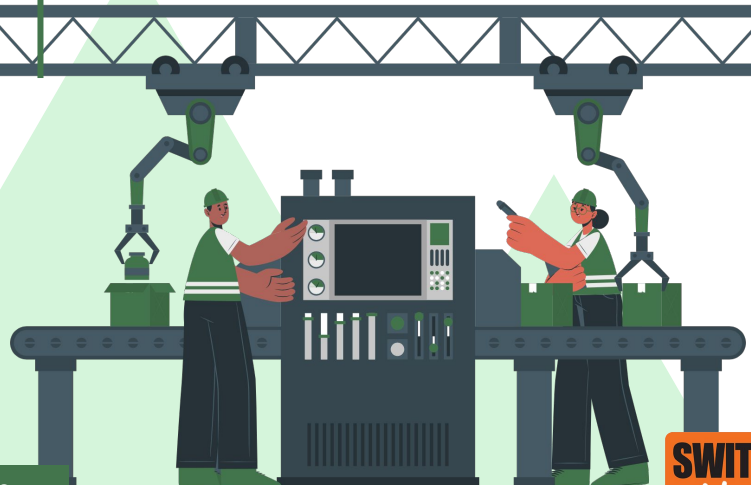
Allocate 100 to 200 acres of land for developing Electric Vehicle (EV) Parks with internal infrastructure

Electric Vehicle Manufacturing Units will be exempted for paying electricity duty for first 10 years.

## 17 GUJARAT



One hundred percent exemption from electricity duty for EV charging stations



This is not a comprehensive list, but only some key policies are mentioned

# Demand side policy instruments for scaling EV adoption in the Indian State



This section will illustrate the policies of the state in terms creating effective demand for the upscale adoption in India. The policies are divided into:



**Consumer Demand incentives** and tax based policies



**Other subsidies and incentives**

## 1 DELHI



**'feebate' concept** to be initiated i.e. by adopting measures by which polluting vehicles incurs surcharge and efficient ones receive a rebate.



Purchase incentive for both 4 /2 wheelers and e-autos/rickshaw/cars and Changes in building bye-laws to make **20% of all parking, EV ready.**

## 2 TAMIL NADU



Reimbursement of employer's contribution to the **EPF for all new jobs till 2025**



Encourage existing Apartment associations to install charging stations and have **10% parking space for EVs** in all commercial buildings

## 3 UTTARAKHAND



**Exempts the first 100,000 EV buyers** from motor vehicles tax for five years

## 4 KARNATAKA



**Venture capital fund** to encourage **e-mobility start-ups**

## 5 ANDHRA PRADESH



**Levying high surcharges** on highly polluting ICE vehicles



Identified areas will be designated as **"Green Zones"** with entry only to non-fossil fuel based vehicles.

## 6 MAHARASHTRA



**15% subsidy** for 2W, INR 12,000 for 3W and INR 1 lakh for 4W to individual buyer registered in the State

## 7 UTTAR PRADESH



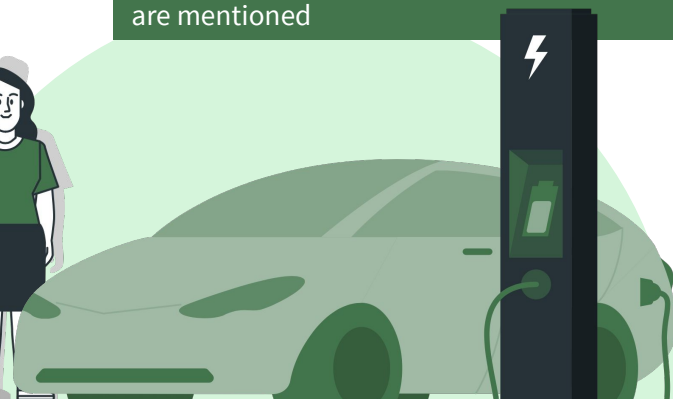
**100% exemption of road tax** on Transportation EVs purchased within UP and **100% interest free loans** to State Government employees for buying EVs

## 8 BIHAR



**Exemption from road tax** and registration fees for Electric Vehicles

This is not a comprehensive list, but only some key policies are mentioned



## 9 KERALA



Incentives of **25% of the value of the EV** (upto INR 30000) to be provided for purchase of 3W EV

## 10 TELANGANA



**Road tax exemption** for all electric vehicles till 2025.

## 11 PUNJAB



**100% waiver on permit fee & Motor Vehicle Tax** for a period of 10 years.

## 12 ODISHA



Purchase subsidy of **15% of value for 2W, 3W, and 4W**

## 13 MADHYA PRADESH



All EVs to be exempted/reimbursed from road tax/ vehicle registration fees for an **initial period of 5 years**

## 14 HARYANA



The buyers who intends to purchase **E-Rickshaw/Carts** within a period of six months from the date of issuance of Electric Policy shall be **issued a coupon of 25,000 INR.**

## 15 MEGHALAYA



Purchase subsidy for first **30 E-Buses** and **2500 4W** purchased.

## 16 GUJRAT



One hundred percent exemption from registration fee and **50% exemption from motor vehicle tax.**

This is not a comprehensive list, but only some key policies are mentioned



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