



Climate Resilient Maharashtra

Recognising the urgency of climate decade, Maharashtra gears up to launch its Electric Vehicle policy

Report & Draft Recommendations on the Town Hall on Electric Mobility

May 27, 2021. 11:00 am to 1:00 pm IST

Conducted: Online

Total Participants: 217 participants through Zoom Link & over 1000 views through Majhi Vasundhara Facebook Live

INTRODUCTION:

Being the third in a series of four town halls, the event was organised by **Climate Voices** - a collective of three organisations Purpose Climate Lab, Asar and Climate Trends along with the **Maharashtra Environment and Climate Change Department's Majhi Vasundhara** initiative. It was hosted by **WRI India Ross Center for Sustainable Cities and Waatavarán Foundation**.

OBJECTIVES:

As the government of Maharashtra rolls out an updated Electric Vehicle (EV) policy while dealing with the pandemic, industry experts, civil society and representatives of the Maharashtra Transport and Environment departments came together for virtual discussion on May 27 to develop recommendations in order to build a roadmap for the effective implementation of the EV policy. The focus of the town hall was to understand the role of electric vehicles to address sustainable and green recovery from the pandemic impact on the state economy and jobs, steps needed to enhance high quality and extensive charging infrastructure complementary to increasing the visibility of EVs, potential of government commitment to convert all state-owned vehicles to electric by 2025 for a ripple effect in the wider electric vehicle ecosystem in the state, and finally draw up recommendations as inputs incorporated in the state climate action plan and EV policy roadmap.

PANELISTS:

- The town hall was moderated by Aarti Khosla, Director, Climate Trends and the panelists representing Maharashtra State Government included Ashish Kumar Singh, (Additional Chief Secretary, Transport), Dr. Avinash Dhakne, Transport Commissioner, Maharashtra, Sudhir Srivastava, Chairman, Maharashtra Pollution Control Board (MPCB), Vikrant Bhalerao, Sub Regional Officer, MPCB.
- Industry leaders speaking at the event included Shilpi Samantray, Lead - Electric Mobility & Energy, Ola Mobility Institute, Ashwin Mahesh, Co-Founder, Project Lithium, Dharashree Panda, Associate Director, Sustainability, Flipkart Group, and Dippy Vankani · Director Corporate Affairs (Government Relations), Flipkart Group.
- WRI India Ross Centre for Sustainable Cities, which was a co-host in the event, was represented by their Executive Director & Urban Mobility Expert Madhav Pai

HIGHLIGHTS:

- The Maharashtra State Transport Department announced key highlights of the draft Electric Vehicles (EV) Policy 2021. **Ashish Kumar Singh** said that the policy is currently awaiting the final nod from the state cabinet.
- The draft policy targets urban agglomerations- Mumbai Metropolitan Region, Aurangabad, Pune, Nagpur, and Nashik - also aims to achieve 25 percent electrification of intra-city public transport and last mile delivery vehicles by 2025. Starting April 2022 all new Government vehicles in Maharashtra will be electric across major cities listed under the policy, said **Dr. Avinash Dhakne**, adding that Maharashtra intends on making the following four highways and expressways fully EV ready by 2025 including the under construction Mumbai Nagpur Expressway, Mumbai Pune Express Highway, Mumbai-Nashik, and Nashik Pune.
- Share of EVs in new vehicle registrations across the state by 2025 is expected to be 10% for all vehicles, 10% for 2-wheelers, 20% for 3-wheelers, and 5% for 4-wheelers. As per the target, at least one gigafactory for the manufacturing of advanced batteries in the state will be set up, as per the draft policy.
- Welcoming the announcements by the Maharashtra Government, Industry experts complimented the States vision and offered their recommendations to ensure smooth transformation to electric mobility.
- **Ashwin Mahesh** from Lithium highlighted the importance for companies to innovate early and correctly to accept the broader responsibility for developing the EV ecosystem.
- **Shilpi Samantray** from Ola Mobility Institute focussed on crucial aspects of Maharashtra and India's EV transition including vehicle segment prioritisation, promotion of EV adoption and incentives on EV and charging stations.
- **Dharashree Panda and Dippy Vankani** from Flipkart reiterated their vision for making their logistics fleet fully electric by 2030 and collaborate with the EV ecosystem for the required infrastructure growth.
- **Madhav Pai** from WRI India Ross Center amplified that Maharashtra being a leader in the automotive sector has a major opportunity to become a leader in electric mobility through strategic industrial development while creating domestic demand through policy.

- **Sudhir Shrivastava** from MPCB informed that alongside the EV policy the pollution control board was building draft rules on recycling lithium-ion batteries and associated electronic waste.
- The event saw participation from civil society, corporate sector, leading academic institutions, media persons and other representatives of the government.
- Several suggestions, comments and questions from participants, answered by the panel, facilitated the building of a robust list of recommendations that were presented in the last session by **Aarti Khosla**. This was followed by a vote of thanks by **Brikesh Singh**, COO, Asar ending the event.

MEDIA COVERAGE OF THE TOWN HALL:

The synopsis of the two-hour event was captured by leading English newspapers like The Times of India, which mentioned the coverage on its front page in its Mumbai edition as well as carried the story prominently in the Nagpur edition.

The Free Press Journal- Mumbai also carried two stories on its front page. Other newspapers including Hindustan Times, Indian Express, The Hindu, The Hitavada, The Deccan Herald, Mid Day and Gaon Connection among other papers and news portals carried the story.

The story was also prominently carried by Marathi media including Maharashtra Times and Lokmat.

Indo-Asian News Service (IANS) the leading newswire agency also carried the story, which was further picked up by Economic Times-Auto, Prokerala.com, Sify.com, Daijiworld.com and many other digital platforms

Some examples shared below:

State's target is 10 e-vehicles per 100 registrations by 2025

Somil.Sen@timesgroup.com

Mumbai: At least 10% of all new vehicle registrations will be electric cars, bikes and other e-vehicles by 2025, states the new draft electric vehicle (EV) policy 2021. It now awaits a final nod from the state cabinet. The state government has also proposed that from April, all new government vehicles will be electric across major cities listed under the draft policy. There is a plan to convert 15% of the current fleet of 18,000 MSRTC buses to electric.

The state also intends to make four highways and Expressways fully ready for electric vehicles by 2025, including the under-construction Mumbai-Nagpur Expressway, the Mumbai-Pune Expressway, the Mumbai-Nashik highway and the Nashik-Pune highway.

Disclosing some of the salient features of the new draft policy at a webinar on electric vehicle mobility on Thursday, state transport commissioner Avinash Dhakne said: "By 2025, city-wise targets are proposed as 1,500 for the Mumbai Metropolitan Region, 500 for Pune, 150 for Nagpur, 100 for Nashik, and 75 for Aurangabad. Unless we have enough

POWER DRIVE

लोकमत

२०२५पर्यंत १० टक्के नोंदणीचे उद्दिष्ट इलेक्ट्रिक वाहनांना मिळणार चालना

लोकमत न्यूज नेटवर्क

मुंबई : इलेक्ट्रिक वाहनांना चालना देण्यासाठी २०२५पर्यंत सर्व नवीन नोंदणी होणाऱ्या वाहनांपैकी १० टक्के इलेक्ट्रिक करण्याचे उद्दिष्ट सरकारने ठेवले आहे. एप्रिल २०२२पासून सुरू होणाऱ्या मोहिमेत समाविष्ट असलेल्या मोठ्या शहरांतील सर्व नवीन नोंदणीकृत सरकारी वाहने इलेक्ट्रिक असतील, अशी माहिती वाहतूक विभागाकडून विद्युत वाहनांबाबतचे धोरण या विषयासह इलेक्ट्रिक वाहनांच्या भविष्यावर चर्चा करण्यासाठी आयोजित आभासी टाऊनहॉलमध्ये देण्यात आली.

वाहतूक विभागाचे अतिरिक्त प्रधान सचिव आशिषकुमार सिंग यावेळी म्हणाले, आज देशातील एकूण

प्रत्येक शहरात चार्जिंग स्टेशन उभारणार

परिवहन आयुक्त अविनाश ढाकणे म्हणाले, २०२५ पर्यंत प्रत्येक शहराला चार्जिंग स्टेशन्स सुरू करण्याचे उद्दिष्ट देण्यात आले आहे. मुंबई महानगरसाठी १५००, पुणे ५००, नागपूर १५०, नाशिक १०० आणि औरंगाबादसाठी ७५ चार्जिंग स्टेशन्सचे उद्दिष्ट देण्यात आले आहे.

१२ टक्के आहे. मात्र, हा वाटा उत्पादकांच्या दृष्टीने उत्साहवर्धक म्हणता येणार नाही. मुंबई महानगर विभाग, औरंगाबाद, पुणे, नागपूर आणि नाशिक यांनी २०२५पर्यंत अंतर्गत वाहतुकीसाठी २५ टक्के विद्युत वाहनांचा वापर

10% target: Revving up e-vehicles

SHASHANK RAO
Mumbai

For hsg societies, public areas
Plug it in: Electric vehicle charging to be norm



परिवहन महामंडळाच्या १८ हजार बसपैकी १५ टक्के बस येत्या पाच वर्षांत विद्युत वाहनांत बदलण्याचे उद्दिष्ट आहे. महाराष्ट्र प्रदूषण नियंत्रण मंडळाचे अध्यक्ष सुधीर श्रीवास्तव म्हणाले, महामंडळ हे लिथियम आयर्न बॅटऱ्या आणि इलेक्ट्रॉनिक कचऱ्याचा पुनर्वापर करण्यासंबंधीचा मसुदा तयार करित आहे. महाराष्ट्र पर्यावरण व वातावरण बदल मंत्रालयाचा उपक्रम असलेल्या 'माझी वसुंधरा'च्या सहकार्याने टाऊन हॉलचे आयोजन क्लायमेट व्हाईसेसने पॅर्पज, असर आणि क्लायमेट ट्रेड्स यांच्यातर्फे करण्यात आले होते. वातावरण फाउंडेशन व डब्ल्यू. आर. आय. इंडिया रॉस सेंटर फॉर सरटेनेबल सिटीज यांचाही यात मोठा सहभाग आहे.

thorities on Wednesday. One of the most primary concerns for EV owners would be the recharging of the vehicle's lithium-ion batteries, which act as fuel. According to government officials, necessitating the provision of charging points in residential housing societies, office complexes shared by corporates and institutions, dedicated parking lots and government office buildings will surely change perception among people and could boost the demand for EVs.

CONTD. ON P11

राज्यात विद्युतवाहनांसाठी पायघड्या

म. टा. प्रतिनिधी, मुंबई

केद्राच्या विद्युतवाहन धोरणाचा लाभ घेण्यासाठी येत्या चार वर्षांत महानगरे २०२५अखेर राज्यातील सर्व नवीन वाहननोंदणीपैकी १० टक्के नोंदणी ही विद्युतवाहनांचे करण्याचे ध्येय निश्चित

सार्वजनिक वाहतुकीत २५ टक्के गाड्या

करण्यात आले आहे. विद्युतवाहनांच्या भविष्याबाबत आर्थिक आभासी चर्चासत्रात परिवहन विभागाचे अतिरिक्त मुख्य सचिव आणि मुख्यमंत्र्यांचे



“मुंबईसह धोरणात समावेश असलेल्या शहरांमध्ये राज्य सरकार एप्रिल २०२२पासून केवळ विद्युतवाहन खरेदी करणार आहे. यामुळे एप्रिलपासून नोंदणी होणारी सरकारी वाहने केवळ विद्युत स्वरूपातील असतील.

— अविनाश डाकणे, परिवहन आयुक्त

सरकारकडून प्रयत्न करण्यवाही धोरणात समावेश आहे.

प्रदूषण नियंत्रण मंडळाकडून विद्युतवाहनांच्या तिथियम आणून बॅटरी आणि ई-कचऱ्याच्या पुनर्वापराचा मसुदा तयार करण्यात येत आहे. परिवहन आणि उद्योग क्षेत्रातील तज्ञांच्या मार्गदर्शनाखाली तयार होत असलेल्या या मसुद्याचा समावेश धोरणांमध्ये करण्यात येणार असल्याचे महाराष्ट्र प्रदूषण नियंत्रण मंडळाचे सुधीर श्रीवस्तव यानी सांगितले. क्लायमेट व्हायसेस, माडी वसुंधरा यांच्या सहकार्याने वातावरण फाऊंडेशन व इन्फ्रस्ट्रक्चर अँड पॉलिसी रिसर्च सेंटर फॉर सस्टेनेबल सिटीज यानी या चर्चासत्राचे आयोजन केले होते.

अतिरिक्त मुख्य सचिव आशीषकुमार सिंह यानी ही माहिती दिली.

राज्याच्या नवीन विद्युतवाहन धोरणात शहरांचा एकात्मिक विकास करण्याचे प्रस्तावित आहे. मुंबई महानगर प्रदेशासह, पुणे, नागपूर, नाशिकमध्ये २०२५पर्यंत अंतिम वाहतुकीसाठी २५ टक्के विद्युतबस

आणि एसटी महामंडळात १५ टक्के विद्युतबसचा समावेश करण्यात येणार आहे. विद्युतवाहनांचे धोरण अंतिम मंजूरीसाठी मंत्रिमंडळाच्या प्रतीक्षेत असल्याचे सिंह म्हणाले. मुंबई-पुणे दूनगती महामार्ग, मुंबई-नाशिक, नाशिक-पुणे आणि सध्या निर्मितीत असलेल्या मुंबई-नागपूर महामार्गावर

२०२५अखेर विद्युतवाहनपूरक सुविधा उभारण्यात येतील, असे परिवहन आयुक्त अविनाश डाकणे यानी सांगितले.

२०२५अखेर १० टक्के दुचाकी, २० टक्के तीन चाकी आणि पाच टक्के चार चाकी असे लक्ष धोरणात प्रस्तावित आहे. हे उद्दिष्ट साध्य करण्यासाठी राज्यात बॅटरीउत्पादन कारखाना उभारण्यासाठी

NEWLY REGISTERED VEHICLES

Draft policy aims at 10% share of electric vehicles by 2025

EXPRESS NEWS SERVICE
MUMBAI, MAY 27

BY 2025, Maharashtra plans to ensure that 10 per cent of its newly registered vehicles in major cities and 25 per cent of intra-city public transport buses are fully electric.

The proposal is part of the state's draft Electric Vehicles (EV) Policy 2021 formulated by the

transport department, which will be put forth before the government.

The draft targets urban agglomerations – Mumbai Metropolitan Region, Aurangabad, Pune, Nagpur, and Nashik – and also aims to achieve 25 per cent electrification of intra-city public transport and last mile delivery vehicles by 2025.

The policy further proposes

to convert 15 per cent of the existing fleet of 18,000 Maharashtra State Road Transport Corporation (MSRTC) buses to electric over the next five years.

“The state intends on making four highways and expressways – Mumbai-Nagpur, Mumbai-Nashik and Nashik-Pune expressways and Mumbai-Pune express highway – (infrastructure-wise) fully ready for electric

vehicles by 2025.” Transport Commissioner Dr Avinash Dhakne said on Thursday at an online town hall organised by Climate Voices, a collective of three organisations – Purpose, Asar and Climate Trends.

Ashish Kumar Singh, Additional Chief Secretary (Transport), who heads the committee drafting the new policy, said that while stakeholders have been consulted, the depart-

ment is open for suggestions from the public.

As per the draft policy, at least one factory for the manufacturing of advanced batteries will be set up in the state. Also, it has been proposed that from April 2022, all new government vehicles in major cities should be electric. Additionally, by 2025, city-wise targets have been proposed for setting up charging stations for electric vehicles.

Web Links of the coverage:

- **Free Press Journal:** [Maharashtra: Electric vehicle charging points to be installed compulsorily in societies, public parking lots, business and shopping complexes](#)
- **Free Press Journal:** [Maharashtra targets 10% of new vehicle registrations to be EVs by 2025](#)
- **Indian Express:** <https://www.google.com/amp/s/indianexpress.com/article/cities/mumbai/newly-registered-vehicles-in-maharashtra-draft-policy-aims-at-10-share-of-electric-vehicles-7333434/lite/>
- **Hindustan Times:** <https://www.google.com/amp/s/www.hindustantimes.com/cities/mumbai-news/new-maharashtra-policy-gives-push-to-electric-vehicles-101622140742129-amp.html>
- **Deccan Herald:** <https://www.google.com/amp/s/www.deccanherald.com/amp/national/west/maharashtra-aims-for-10-of-new-vehicle-registrations-to-be-evs-by-2025-990682.html>

- **The Hindu:** [Maharashtra pushes Electric Vehicle Policy](#)
- **Mid Day:** [Maharashtra to make highways EV ready by 2025](#)
- **Economic Times Auto:** [Maha targets 10% of new vehicle registrations to be EVs by 2025](#)
- **The Hitavada- Nagpur** [State aims at 10% of new registrations to be electric vehicles by 2025](#)
- **The Weekend Leader** [Maha targets 10% of new vehicle registrations to be EVs by 2025](#)
- **The Bhaskarlive** <https://www.bhaskarlive.in/maha-targets-10-of-new-vehicle-registrations-to-be-evs-by-2025/>
- **The Times of India Mumbai** [Maharashtra's target is 10 e-vehicles per 100 registrations by 2025 | Mumbai News](#)
- The Times of India Nagpur [10% of all new vehicles to be electric by 2025 | Nagpur News](#)
- **News18 Auto** [Maharashtra Government Expects 10 Percent of All New Vehicles Registered to be EVs By 2025](#)

RECOMMENDATIONS FROM THE TOWN HALL:

- 1) Need for a **credit guarantee scheme** to bring down the interest rates on purchasing EV related infrastructure
- 2) To **create and incentivise policy** for 2 and 3-wheeler uptake for commercial use
- 3) Charging infrastructure design and planning has **to be scientific** using special analytics, research etc.
- 4) To make Maharashtra the emerging leader in EV manufacturing by **creating local domestic demand**. Maharashtra to take the lead on **giant manufacturing facilities for enhanced infrastructure** in this sector
- 5) Focus on a few cities to enhance public transport, especially buses, to go in for **100% electrification and combination of BS-VI**

- 6) **Build consumer awareness through awareness outreach programs** at the city level (similar to Switch Delhi campaign) to convince more citizens to opt for EV
- 7) High utilisation of EV across specific cities but **keeping ecological footprint in mind while introducing policy**
- 8) Ensuring **leadership and coordination of multiple government departments** towards the electric mobility ecosystem to promote specifics of the policy involving all stakeholders in the ecosystem
- 9) Allowing the policy to encompass initiatives across housing societies, office complexes, campuses to have **more charging infrastructure**
- 10) Concerted effort on **market segmentation through policy** with an overall focus on larger awareness plans (through advocacy) with an attempt to increase vehicle registrations across specific cities
- 11) **Vehicle segment prioritization** with an eye on cost ownership viability, which is crucial for India's EV transition. Considering the higher proportion of smaller vehicle segments in India the transition should begin with 2-Wheeler, followed by 3-Wheeler, and then 4-Wheeler (which will include public transport like buses and cars).
- 12) To promote EV adoption, incentives on the demand side should include **optimally assigning State GST** on EVs and charging stations (initial waive off and gradual collection once scale is achieved), **incentives on the scrappage** of internal combustion engine (ICE) fleet needs to be linked with EV adoption, **ease financing process**, and promote **retrofitment across vehicular segments**
- 13) For manufacturers and industry, **incentives on the supply side** to include capital subsidy, subsidy on cost of land, exemption on land registration and stamp duty charges, and subsidy for reduction of water supply cost

- 14) **Ease of doing business:** Ensuring a single clearance window, applying for power, registering the manpower, factory license, State Pollution Control Board approval and others with a turn around time of 30 days
- 15) To **ensure driver licences for EVs should be separate** so as to increase accountability. At the same time **increase adoption in 2-wheelers** for ease of exchange for delivery agents (E-Commerce and Online Food Delivery) to give some incentives to adopt EVs. Need for **Goods vehicles/freight to migrate** to the EV ecosystem parallelly.

FINAL OUTCOME:

Ms Manisha-Patankar Mhaiskar, Principal Secretary, Environment and Climate Change Department Maharashtra said recommendations from the town hall will be incorporated into a dossier to be submitted before the Maharashtra Chief Minister Uddhav Thackeray and Environment Minister Aaditya Thackeray in June 2021.
