

# EV monthly Updates

Aug 2020

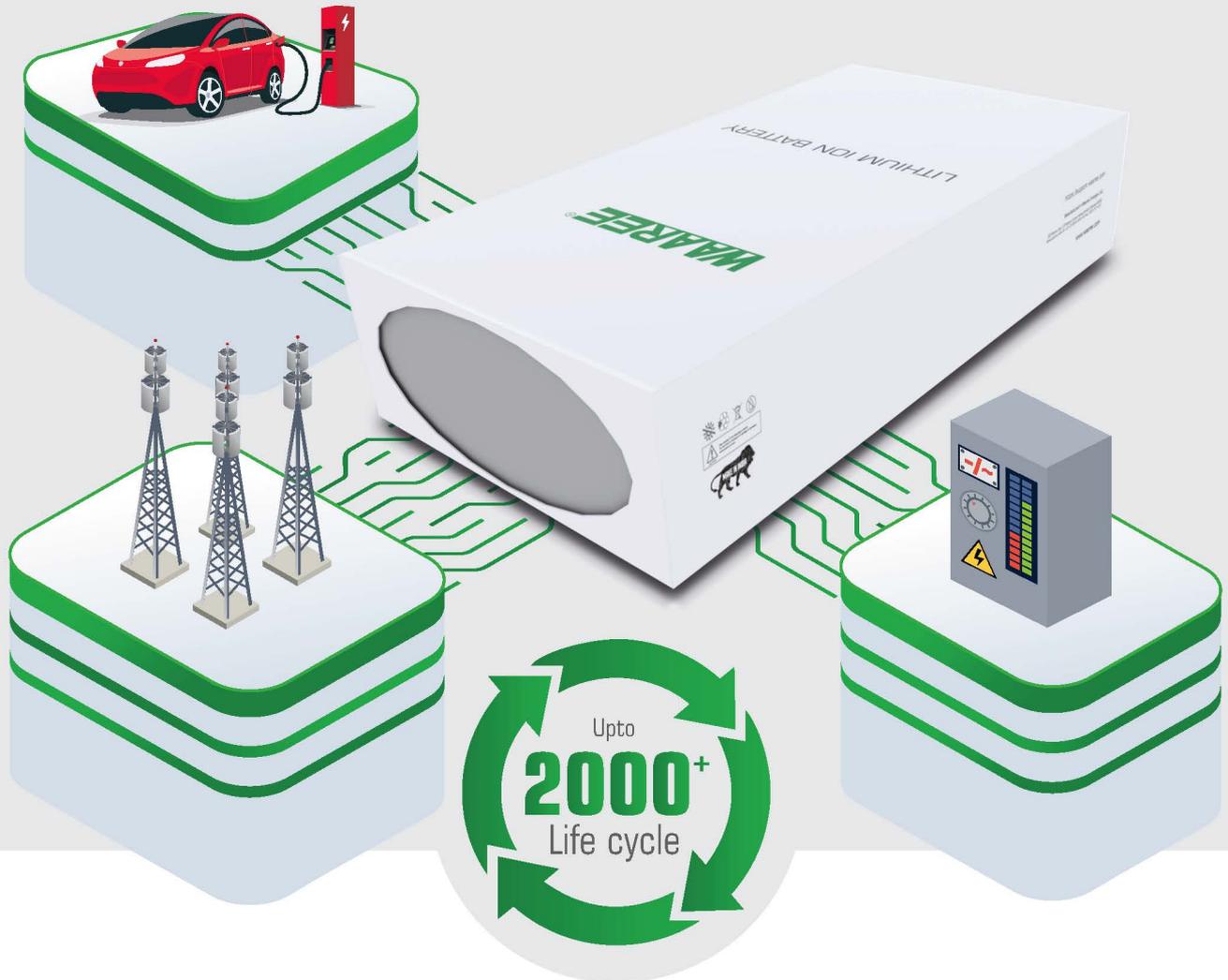
Lead Sponsor

---

**WAAREE**<sup>®</sup>

# HIGH PERFORMANCE LITHIUM ION RANGE

# WAAREE



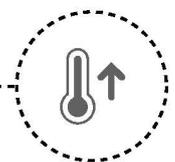
High Energy  
Density



Lightweight &  
Compact Size



Fast & Efficient  
Charging



High Temperature  
Performance

OUR LITHIUM ION BATTERIES ARE MANUFACTURED WITH UTMOST CARE & PASSES THROUGH  
**30+ QUALITY TESTS** BEFORE REACHING YOU



Combustion test



Acupuncture test



Thermal shock test



Drop test



Temperature cycling test

## Contents

1. New Product launches | 4
2. High-Speed EV Sales | 5
3. Tender | 6
4. Policies | 7
5. Charging Infrastructure | 9
6. Partnerships and JVs | 11
7. Investments | 13
8. Other Interesting Reads | 14
9. Global Market Updates | 16

# 1. New Product Launches

Table 1.1: New Product Launches in August 2020

Product	Vehicle Type	Battery Specs	Other Specs	Price
Detel EV Easy	2-wheeler	<ul style="list-style-type: none"> <li>Range – 60 km</li> <li>Battery type – (Li-ion) 48V, 12Ah</li> </ul>	<ul style="list-style-type: none"> <li>Charging time – 7 to 8 hr</li> <li>Motor – 250W</li> <li>Top speed – 25 km/h</li> </ul>	Rs. 19,999 (plus GST)
Pure EV ETrance+	2-wheeler	<ul style="list-style-type: none"> <li>Range – 65 km</li> <li>Battery type – (Li-ion) 1.25 kWh</li> </ul>	<ul style="list-style-type: none"> <li>Motor - 250W</li> <li>Top speed – 25 km/h</li> </ul>	Rs. 56,999 (ex-showroom)
Okinawa R30	2-wheeler	<ul style="list-style-type: none"> <li>Range – 60 km</li> <li>Battery type – (Li-ion) 1.25 kWh</li> </ul>	<ul style="list-style-type: none"> <li>Charging time – 4 to 5 hr</li> <li>Motor - 250W</li> <li>Top speed – 25 km/h</li> </ul>	Rs. 58,992 (ex-showroom)

## Upcoming Launches

### Etrio's electric Tata Ace with 120 km range: India's first retrofitted eLCV

Etrio, an electric vehicle start-up, today launched the country's first retrofitted electric light commercial vehicle (eLCV). The company states it has a production capacity of 5000 vehicles annually at its 30,000 sq. ft. manufacturing facility based out of Hyderabad. Through retro fitment, more than over 20 lakh Tata Ace LCVs can have a new lease of life with 5+ years of life extension, the company claims. Etrio's eLCV will be powered with a 20 kWh lithium-ion battery on a 96 V system and has a certified range of 120 km.

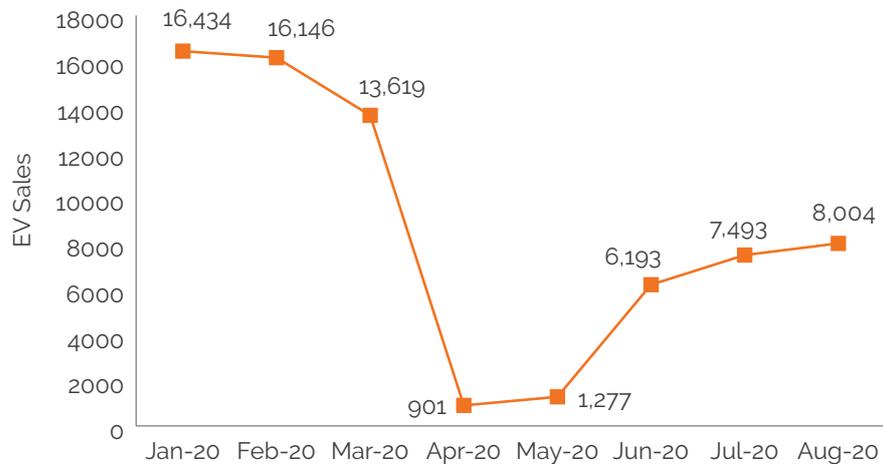
### Royal Enfield electric bike launch on track

The company in the past has confirmed multiple times that it is working on an electric bike and is quite serious about the same. Recently, during the announcement of the company's financial results for the last quarter, Vinod K. Dasari, CEO, Royal Enfield confirmed that the electric bike plans are very much on track and intact. Dasari further confirmed that Royal Enfield has built a number of prototypes and is currently looking at the segment in which it can enter with its electric motorcycle.

## 2. High-speed EV Sales

Sales of EVs for August 2020 has climbed by 6.8% over July sales to reach about 8000 units. Month-on-month sales growth rate has slumped by 14.2% in August. The cumulative sales of registered EVs from Jan-Aug 2020 is more than 70,000.

Fig 2.1: High speed EV Sales in 2020



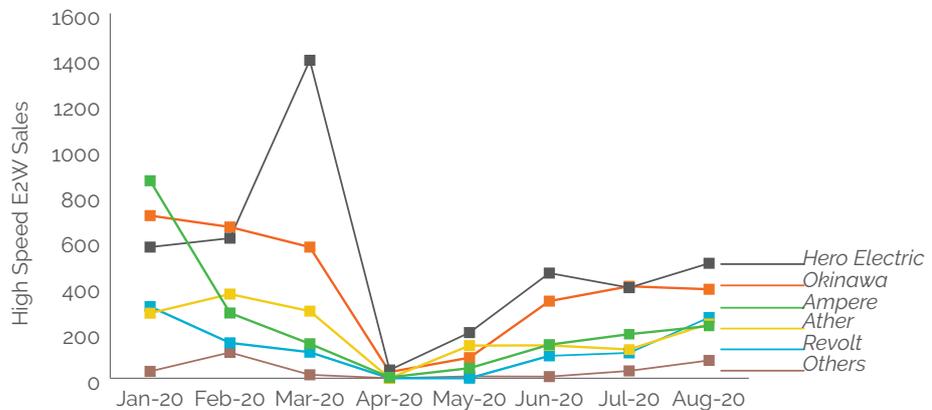
Source: Vahan Dashboard, JMK Research

Note: Sales figure are for only high range E2W models with speed higher than 25kmph

### Electric Two Wheelers (E2W)

The cumulative sales of Ampere, Ather, Hero Electric, Okinawa and Revolt peaked by 32% to register 1628 units for August month. Revolt and Ather marked best sales growth with about 2-2.5 times more sales than in July. Hero Electric has grabbed the top spot for highest sales in August.

Fig 2.2: Player-wise high-speed E2W sales trend



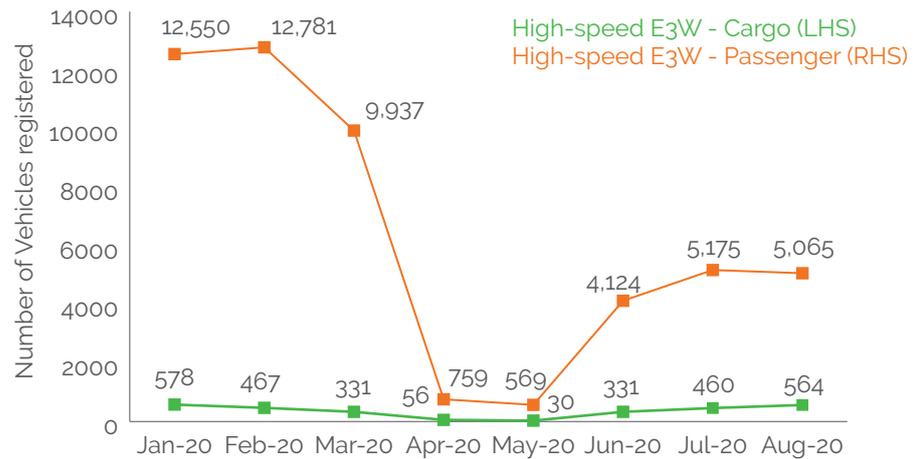
Source: Vahan Dashboard, JMK Research

Note: Sales figure are for only high range E2W models with speed higher than 25kmph

## Electric Three Wheelers (E3W)

E3Ws (Both Passenger and Goods type) have registered total sales of 5629 units in August 2020. The passenger-type E3W accounts for nearly 90% of the total E3W sales for August. The combined sales of cargo and passenger E3W for the period Jan-Aug 2020 is 53,777.

Fig 2.3: Sales trend of high-speed cargo E3W and high-speed passenger E3W



Source: Vahan Dashboard, JMK Research

Note: Sales figure are for only high range E2W models with speed higher than 25kmph. Sales figure represent E3Ws registered across 1238 RTOs in 32 states/ UTs.

## 3. Tender

Fig 3.1: Tender Results

Tender name	Tendering authority	Bid submission date	No. of vehicles/type	Tender status	Details
EESL, Pan India, 1,000 electric car, Feb 2020	EESL	28-Feb-2020	750 sedan - Package 1 250 sedan - Package 2	On hold Result announced	Winners - Tata motors (150 units of Nexon electric compact SUVs) & Hyundai (100 units of Kona electric SUVs) Hyundai, Tata Motors in EV order win, EESL keeps e-taxi tender on hold

# 4. Policies

## **Demand boosters for E-Mobility: Delhi EV policy 2020**

The primary objective of the policy is to accelerate EV adoption especially in the mass category of two-wheelers, public/shared transport vehicles & goods-carriers, target 25% BEVs (Battery Electric Vehicles) in all new vehicle registrations by 2024 and also to lay out measures to support the creation of jobs in driving, selling, financing, servicing and charging of EVs. The policy will be valid for 3 years from the date of its issue.

This blog from JMK Research focusses on the key incentives offered by the Delhi government for enhancing the EV ecosystem in the region.

## **Telangana Govt exempts EVs from road tax, registration fees under new policy**

The Telangana State Cabinet approved the new Electric Vehicle and Energy Storage Solution Policy to promote the usage of EVs and woo investors in the green mobility sector by giving incentives. Under the new policy, 100 percent exemption from road tax and registration fee will be provided to the first two lakh two-wheelers and 5,000 private cars purchased. 20,000 three-wheelers, 5,000 commercial passenger vehicles (taxi, tourist cabs etc.), 10,000 electric light goods carriers, and 500 e-buses purchase will also get the same exemption. Aimed at making Telangana a preferred manufacturing destination, the State government will also provide preferential market access to the companies which establish their manufacturing plants in the State.

## **MoRTH allows Sale and Registration of Electric Vehicles without batteries**

The Ministry of Road Transport and Highways (MoRTH) has allowed registration of electric vehicles without pre-fitted batteries. In a letter to Transport Secretaries of all the States and UTs, the ministry has clarified that vehicles without batteries can be sold and registered based on the type approval certificate issued by the Test Agency. Further, that there is no need to specify the Make/Type or any other details of the Battery for the purpose of Registration.

However, the prototype of the electrical vehicle, and the battery (regular

battery or the swappable battery) is required to be type-approved by the test Agencies specified under Rule 126 of the Central Motor Vehicles Rules, 1989.

### **Electric vehicle rider for future projects in Noida**

All future big housing and commercial projects in the twin cities of Noida and Greater Noida will need to have electric charging station on their premises. To encourage the usage of electric vehicles, the UP government has made the provision mandatory for all big-ticket projects coming up on more than 5,000 sq.m land in Gautam Budh Nagar, following in the footsteps of neighbouring Delhi. To start with, UP will set up three such stations along the Yamuna Expressway.

### **Delhi: Buying an e-vehicle? Subsidy to reflect in your bank account in seven days**

Delhiites buying an electric vehicle (EV) will get the subsidy of up to Rs 30,000 for two-wheelers and up to Rs 1.5 lakh for cars directly transferred to their bank accounts within seven days of the purchase. Launched by chief minister Arvind Kejriwal on August 7, Delhi government's comprehensive electric vehicle policy aims to push the adoption of EVs by creating an entire EV ecosystem in Delhi.

### **Electrically-operated vehicles without battery packs to attract GST, rules AAR**

Under the renewable energy initiative of the Government of India, electrically operated three-wheeled motor vehicles are chargeable to nil rate of duties. The AAR ruling held that an electrically-operated three-wheeled motor vehicle would fall under the highest tax bracket of 28 per cent if it is not fitted with a battery pack.

E-rickshaw and e-auto manufacturing companies would be saddled with ineligible ITC, as the shells would be chargeable at 28 per cent GST, whereas there would no tax on outward supplies if the shell is fitted with batteries.

## 5. Charging Infrastructure

### Okaya to provide EV charging stations to Prakriti E-Mobility fleet

Okaya Power Group has entered into a partnership with Prakriti E-Mobility for providing charging stations to the fleet operations of the latter. Prakriti E-Mobility Private Limited is a fleet operator of electric 4W vehicles while Okaya Power Group is one of the largest suppliers of EV charging stations in India. Okaya has deployed more than 500 chargers across the country.

### OKAYA to provide EV charging stations to BluSmart Electric Mobility

Okaya Power Group's flagship firm OKAYA will provide electric vehicle charging stations to BluSmart Electric Mobility - one of the largest 100% electric fleet operator in India. OKAYA announced a strategic partnership with BluSmart Electric Mobility, with an aim to provide well-laid out electrical vehicle (EV) charging stations for their fleet operations.

BluSmart Electric Mobility provides sustainable urban mobility to customers and already serving more than 60,000 customers since it was launched across India and aims to target over 10 million in coming months.

## 6. Partnerships and JVs

### Tata Motors introduces subscription scheme for Nexon EV

Under this scheme, the Tata Nexon EV will be available for a monthly price of Rs 41,900 (for 36 months). As the automaker claims, this scheme will make the electric SUV more affordable for the customers. It also said that the customers can choose from three subscription duration options, which are 18 months, 24 and 36 months.

For 18-month tenure, a customer will have to pay Rs 47,900 monthly subscription fee; for 24 months, Rs 44,900 and for 36 months, Rs 41,900 per month. For this, Tata Motors has partnered with leasing firm Orix Auto Infrastructure Services to offer the service in five cities - Delhi/NCR, Mumbai, Pune, Hyderabad and Bengaluru.

### EESL and IESA join forces to scale up EV infrastructure in India

The focus of the partnership will be on the development and deployment of a pilot electric vehicle tracker tool, along with the analysis of the potential for telecom towers to double as EV charging stations in India. Further, EESL stated, a joint study will be undertaken with telecom tower companies to determine the viability of retrofitting telecom tower facilities to allow them to also serve as EV charging stations to promote the use of green energy.

As part of the partnership, EESL will drive the EV adoption among government establishments and on the PSU-side whereas IESA will drive the private-side of the EV adoption efforts by encouraging corporates and private users.

### Ampere Electric, Autovert Tech introduce battery subscription plan starting at Rs 1,990

Ampere Vehicles, the electric mobility arm of Greaves Cotton, has partnered Autovert Technologies, a fintech company, to launch an EV battery subscription plan through an IoT-backed platform. The partners will introduce the subscription plan in Bangalore with selected dealers, which will be later expanded across the country.

With this customised subscription plan, a customer can buy a high-speed e-scooter like the Ampere Magnus Pro by paying Rs 49,990 (ex-showroom

price Rs 73,990), whilst opting for a monthly battery subscription of Rs 1,990. The subscription plans are also available for the Magnus Pro and Zeal models, starting at Rs 2,777 a month.

### **Hero Electric partners OTO Capital for financing options for electric 2W**

Hero Electric has partnered with vehicle leasing start-up OTO Capital to offer affordable and flexible financing options for electric two-wheelers. Under the partnership, OTO Capital will offer a flexible model to customers to lease an electric two-wheeler for a minimum of 12 months, after which they can choose to upgrade to any other model.

The partnership will be live across 16 Hero Electric dealers in Bangalore and Pune, with a focus to expand across India in the next few months. The partnership will offer up to 30% savings per month.

### **Mahindra inks pacts with Israeli firm to develop electric commercial vehicles**

Mahindra & Mahindra (M&M) has inked a pact with Tel Aviv-based REE Automotive to explore production of electric commercial vehicles. The Mumbai-based firm has signed a memorandum of understanding (MOU) with the start-up to explore development and manufacturing of electric commercial vehicles for global markets.

### **eBikeGo takes franchise route for expansion**

Electric vehicle subscription start-up, eBikeGo is betting on franchise route to expand its services across major cities like Delhi, Bengaluru, and Mumbai adding to its platform 10,000 electric bikes per year. The company will offer and extend its platform, brand, technology and operational support to its franchise owners that in turn extends as subscriptions-led mobility plans.

The eBikego franchise Partner model will require investments between Rs 20 lakhs to Rs 1 crore with a high return on investments upwards of 30%. The electric vehicle start-up has formed an alliance with Franchise India, which will offer the eBikeGo franchise on a pan-India basis to a large network of partners who are keen on exploring and investing in the EV market, which is a growing industry.

# 7. Investments

Table 6.1: Investments in Aug 2020

Company name	Company type	Deal type	Investor(s)	Deal value (in \$Mn)	Details
EVage	EV and mobility tech start-up	Equity	<ul style="list-style-type: none"> <li>Ola Electric Co-founder-Anand Shah</li> <li>BryAir Director-Varun Pahwa,</li> <li>DMI Group partner-Anmol Nayyar</li> </ul>	Undisclosed	Ola Electric co-founder bets on electric vehicle startup EVage
Grinntech	Li-ion battery pack manufacturer	Equity	<ul style="list-style-type: none"> <li>V Sumantran, former Vice-Chair Ashok Leyland</li> <li>V Lakshmi Narayanan, Co-Founder, Cognizant.</li> </ul>	2	Grinntech raises funds, launches new range of EV batteries

## Tamil Nadu to set up exclusive park for EVs, targets Rs 50k Cr investment

Tamil Nadu is planning to set up a park exclusively for the electric vehicle production eco-system and announced a series of incentives including 100 per cent GST reimbursement, 50 per cent capital subsidy among others, to attract investments in the EV space. This will be the country's first electric vehicle park. The state is targeting around Rs 50,000 crore investment in the EV segment and to create 150,000 jobs with a comprehensive EV ecosystem in the state.

## Korean EV maker Edison to invest up to Rs 5,000 cr in UP, create 5,000 jobs

The company has proposed to invest Rs 500-700 crore in the first phase, Rs 1,000-1,500 crore in the second phase and Rs 2,000-3,000 crore in the third phase of its electric vehicle plant in the state. The investment, Edison Motors envisaged in the state, spread over three phases would collectively create fresh employment opportunities for 5,000 people.

## Revolt Motors looks to raise \$100 million in equity capital

Micromax co-founder Rahul Sharma's electric vehicle venture Revolt Intellicorp plans to raise equity capital of up to \$100 million to fund

product development and expansion into more cities. The company will launch operations in Mumbai - its sixth market – this Sunday and aims to have a pan-India presence within a year. It is also working on at least two new vehicle platforms. The company aims to completely localise the sourcing of products by December this year. Presently, it imports battery cells and motors from China, while the other electronics and mechanical components are sourced domestically.

## 8. Other Interesting Reads

### [PSU in fray to provide 90 e-buses for Bengaluru](#)

NTPC Vidyut Vyapar Nigam Ltd, a subsidiary of NTPC Ltd, participated in the tender to provide 90 electric buses for the city. The entry of NTPC, a PSU under the Union power ministry, into the e-bus segment - dominated by Chinese firms - has come as a surprise. BMTC sources said two firms- NTPC and Hyderabad-based Evey Trans Private Limited -have taken part in the process. The tender may be finalised by August-end. NTPC has formed a JV with its original equipment manufacturer partner JBM. JBM already has a joint venture between Polish bus maker Solaris which will bring European expertise. NTPC will take care of charging infrastructure and power supply.

### [Yulu to focus on long-term rentals, add 1 lakh electric bikes by 2021](#)

Bike-sharing platform Yulu, which assembles its own electric vehicles through partnerships with original equipment manufacturers (OEMs), is planning to ramp up its business by focusing more on the hyperlocal delivery segment and long-term bike subscriptions. Yulu CEO Amit Gupta said that the startup plans to add 1 lakh electric vehicles on the road by end of 2021 and introduce its service in new cities as well.

### **Hyundai Kona sets new range record of over 1000 kms in single charge**

While many US companies like Tesla and a newly launched Lucid have tried to take away the title of the highest range delivered by an electric car, Hyundai's Kona has managed to beat them in controlled situations. Over the course of a three-day range mission, three different units of Hyundai's Kona were put to a test at Lausitzring, a racetrack in northeast Germany. Each of the subcompact SUVs travelled 1,018.7, 1,024.1 and 1,026.0 kms, exceeding the goal of 1,000 km on a single battery charge.

### **Kolkata set to get 50 new e-buses**

The West Bengal Transport Corporation (WBTC), a state transport undertaking, finalised the acquisition of 50 AC buses recently. This augmentation will take the total number of e-buses to 130 in the city. Currently, the WBTC runs 80 e-buses that received international recognition recently due to efficient operations and integration with stakeholders. The WBTC has an ambitious plan of shifting completely from fossil fuel to carbon-neutral fuel by 2030.

### **Meru launches 'Business Mobility App', integrates electric vehicles**

Meru Mobility launched its new business mobility app for Android and iOS mobile devices. It has also incorporated 'Meru SWITCH' feature which will assist users to seamlessly differentiate their work commute from their personal ride with just a slide icon. For a convenient, easy, and environmentally friendly ride, this update will feature Meru EVGO and Mahindra's GLYD for city and outstation travel.

### **E-vehicle sales in Mumbai rise by 1,360% in 3 years, most for bikes**

Over three years, electric vehicle registrations grew by 407% in Maharashtra and 1,360% in Mumbai. Latest transport department statistics show that from 1,459 electric cars and scooters registered in 2017-18 in the state, the figure rose to 7,400 in 2019-20. The figure jumped from 46 to 672 in Mumbai.

### **Busting the myth: Electric Vehicle economics**

This is the third article in the “Busting the Myth” series aimed at breaking down the popular myths surrounding the electric vehicle ecosystem. The series is a joint editorial initiative of ETEnergyworld, The Climate Group and Climate Trends.

While electric vehicles (EV) are far better for the environment than internal combustion engine (ICE) vehicles, one of the major factors for any individual or business to purchase EVs is the financial aspect. This article highlights this aspect in relation to e-mobility. It was authored by Falgun Patel, Project Officer, Energy Transitions (India) at The Climate Group; and Nishant Saini, Founder & Managing Director – eeeTaxi.

### **OPINION: Busting the Myth - Electric Vehicle Policy**

“To drive indigenous manufacturing and the concept of “Aatma Nirbhar Bharat” (self-sufficient India), a strong and systematic push to introduce the right policy and economic levers would be required. Though policy support is essential for moving ahead with electric mobility, it is equally important to address some of the myths surrounding this sector...”

This is the fourth article in the “Busting the Myth” series. It was authored by Charu Lata, Lead Consultant – Electric Mobility, NRDC India Program.

### **Opinion: Busting the Myth - Vehicle experience & shared electric mobility**

This is the fifth article in the “Busting the Myth” series. Recent trends in micro mobility (small, lightweight vehicles) and shared mobility have seen an uptick, with several start-ups opting for rapid electrification of their vehicle fleets. The motivation here is primarily in pursuit of lower costs as well as lowering environmental impacts. However, customers of these mobility start-ups are sometimes sceptical of taking up EVs, especially in the initial stages of adoption. One of the major reasons contributing to this apparent aversiveness are the many myths that surround the electric vehicle user experience.

This article unpacks these myths. It was written by Vinay Rotti, Head – Policy & Strategic Finance; and Pradeep Karuturi, Policy and Government Partnerships, Bounce.

### **Flipkart pledges 100 per cent transition to electric vehicles by 2030**

In a move that could also be a big boost to the push towards electric vehicles in India, Flipkart has announced that it will transition to electric vehicles completely by 2030 by joining Climate Group's global electric mobility initiative, EV100, becoming the first Indian e-commerce marketplace to do so.

The company plans to achieve its goal by placing requirements in service contracts, installing charging infrastructure close to its 1,400 supply chain premises, conducting awareness programs and incentivizing delivery executives towards the use of electric vehicles.

### **Microsoft selects Magenta for its startup support program**

Microsoft has selected Magenta for its Start-up support program for the development of electric vehicle (EV) software and charging platform development. Under this program, Microsoft supports B2B tech start-ups to scale and grow to leverage its technology, cloud marketplace, enterprise sales team, and rapidly growing partner ecosystem for developing its digital technology platforms for EV and EV charging. Magenta has been developing India specific EV charging hardware solutions since 2017. Now with the support of Microsoft, Magenta will be developing technology for the ChargeGrid software, which will enable Magenta to become an end-to-end 'Socket to Software' solution provider for EV charging in India.

### **Bajaj Chetak Electric Outsells TVS iQube by Huge Margin in July As e-Scooters Continue to Pick up Pace**

The Bajaj Chetak was one of the most anticipated models to enter the electric scooter segment. The brand revived the Chetak badge after over a decade hoping to leverage its undying popularity with the new iteration. TVS, on the other hand, came with a fitting unconventional appeal with prices that were a bit more than the Chetak.

In the month of July, the Bajaj Chetak achieved sale of 120 units while the iQube sold just 23 units. However, if we consider the April-July Quarter, the Bajaj Chetak retailed the same 120 units while TVS sold 73 units of the iQube.

### **Toyota and Honda to begin testing of mobile power generator 'Moving e'**

Toyota Motor Corporation and Honda R&D Co will partner to create a mobile power generation/output system, Moving e, to address power supply in times of disaster. The Moving e consists of Toyota's charging station fuel cell bus, Honda's Power Exporter 9000 portable external power output device, two types of Honda's portable batteries: LiB-AID E500 and Honda Mobile Power Pack (MPP) and mobile power pack charge & supply concept charger/ discharger for MPP.

## **9. Global Market Updates**

### **Tesla, VW, Nissan-Renault lead EV, plug-in charge in H1 2020**

Tesla has emerged as the top electric vehicle manufacturer in first six months of 2020, followed by Volkswagen Group and Renault-Nissan. Amid Covid-induced disruption, the top three electric carmakers managed to sell 3.10 lakh units between January to June. In the entire EV segment (Plug-in Hybrid Vehicles (PHEV) + Battery-operated EV), Tesla sold 1,79,050 models. Volkswagen group grabbed the second position with as many as 124,018 units sold. Renault-Nissan alliance was at third position 84,501 units sold.

### **Ashok Leyland subsidiary Optare delivers first Metrodecker EV**

Ashok Leyland UK subsidiary Optare PLC launched the first of 21 battery-electric Optare Metrodecker EV double-deckers on 30th July. Metrodecker EVs have been developed from the prototype by Optare in a partnership with First York and the York City Council which began three years ago. According to the company, each Metrodecker EV with First York can carry 98 passengers, although that capacity is currently restricted due to social distancing measures. The model delivers a range in excess of 160 miles.

### **GM's Cadillac unveils electric SUV in bid to revamp luxury brand**

General Motors Co recently unveiled the first in a series of Cadillac electric vehicles, part of a bid to revitalize the flagging luxury brand and make inroads in a market so far dominated by electric carmaker Tesla Inc. The Cadillac LYRIQ, an all-electric mid-size SUV, is due to start US production in late 2022. Shortly before that, production will begin in China, the luxury brand's largest market. All versions of the LYRIQ will have a range of more than 300 miles.

### **Lucid says its new electric sedan is first EV with 500-mile range**

Electric vehicle startup Lucid Motors, which aims to begin selling its first luxury model, the Lucid Air, in early 2021, claims that the new sedan is the first to achieve a 500-mile driving range. The Lucid Air has an estimated range of 517 miles (832 km), as verified in independent testing. The company also says that the Air initially will be priced "well north of" \$100,000 but said lower-priced versions would arrive later.

### **Panasonic boosts Tesla battery production with \$100M**

The Tesla-Panasonic partnership is warming with expansion and cell innovation underway. The Japanese will invest 100 million dollars at the Gigafactory 1 in Nevada to set up another production line to increase capacity by 10 per cent to 39 gigawatt-hours per year.

The move would be in line with a recently renewed agreement between Tesla and Panasonic. The deal saw Tesla sign a new three-year price agreement with the Japanese manufacturer to continue to produce and supply battery cells at Gigafactory 1 in Nevada.

### **China's EV maker Nio launches battery leasing service**

Chinese electric vehicle (EV) maker Nio Inc has launched a battery leasing service which will allow drivers to buy an EV without owning the battery pack - one of the most expensive EV components - thereby lowering the starting price of its cars. The service, dubbed as "battery as a service", entails drivers paying a monthly rental fee for use of the batteries.

### **Honda goes small with first all-electric car**

The Honda e, released in Europe earlier this month, is a compact model meant solely for city driving. The Honda e, however, has a battery capacity roughly half that of the Model 3, driving just 280 kilometres per charge. The model will only be sold in Europe and Japan, where it goes on sale in late October.

### **Amazon orders 1800 electric vehicles from Mercedes-Benz in green effort**

In its bid to address the climate change, Amazon has added more than 1,800 electric vehicles from Mercedes-Benz Vans to its delivery fleet in Europe this year. Mercedes-Benz also announced lately that it has joined The Climate Pledge, which calls on new signatories to be net zero carbon across their businesses by 2040 - a decade ahead of the Paris Agreement goal of 2050.

More than 1,200 EVs in the order will have newest electric commercial van available at Mercedes-Benz - the eSprinter, a larger model than the manufacturer's first zero-emission vehicle, the eVito.

### **Volkswagen to make electric car cells, battery packs in U.S.**

German automaker Volkswagen AG revealed that it was expanding its Chattanooga factory in Tennessee to make electric vehicle cells and battery packs in the United States, alongside assembling electric vehicles. The company plans to break ground for a laboratory in Chattanooga to develop and test cells and battery packs for its upcoming car models assembled in the U.S., with the goal of a fully operational lab by spring 2021.

Last year, the carmaker said it would invest \$800 million to build a new electric vehicle at its plant in Chattanooga.



Copyright (c) JMK Research & Analytics 2019

**JMK Research & Analytics**

E: [contact@jmkresearch.com](mailto:contact@jmkresearch.com)

M: +91-7428306655

A: 27/2C, Palam Vihar,  
Gurgaon, Haryana-India

W: [www.jmkresearch.com](http://www.jmkresearch.com)