

MOTORCYCLES

with the best mileage

ITMAM BASHAR

Honda CB Shine SP

The Honda CB Shine SP is built and improved upon the old Honda CB Shine with new looks and better performance by adding a 5-speed manual, which makes it more

controllable, faster and better to manoeuvre. It is a sporty-looking bike

targeted at daily commuters like young job holders and middle-aged users who want a bike that is great-looking, fuel-efficient and forgiving to ride. It has the reliability of Honda motorcycles with a whopping mileage of 50 km/l and comfortable seating ergonomics for longer rides. However, the bike has an AC electrical system and slim tyres compared to its competitors.

Price: Tk. 1,30,000 - 1,50,000/-
Distributor: Bangladesh Honda Private Limited

CC: 125
Engine: Air-cooled, 4-Stroke SI engine

Mileage: 50 km/l
Transmission: 5-Speed Manual
Suspension: Telescopic (Front), 5-Step Adjustable Hydraulic shock absorbers (Rear)

Brakes: Single Disc (Front), Drum Brake (Rear) (CBS Braking System)
ABS: None

Yamaha Saluto 125

The Yamaha Saluto is known for its ridiculous mileage where users have claimed that it can go all the way up to 70-74 km/l. However, Yamaha officially claims a mileage of 45 km/l and the Saluto user claim of 60 km/l. Nonetheless, this is an economical and practical family

motorcycle designed for great mileage, infused with performance and style. The Saluto has a top speed of 100 km/h with a maximum torque of 4500 RPM which helps reduce fuel consumption. It is the perfect motorcycle with a mix of performance, style and comfort for an entry-level commuter and is highly recommended for people that want to save money.

Price: Tk. 1,30,000 - 1,50,000/-
Distributor: ACI Motors Limited
CC: 125

Engine: Air-cooled, 4-Stroke SI engine

SOHC

Mileage: 60 km/l
Transmission: 4-Speed Manual

Suspension: Telescopic (Front), Dual Spring (Rear)
Brakes: Single Disc (Front), Drum Brake (Rear)
ABS: None

TVS Metro Plus

The TVS Metro Plus is a stylish and nimble bike for intercity travel with incredible comfortability. It has been quite popular in the local market due to its affordability, reliability and the fact that it is made in Bangladesh. It has a lengthy 12-litre fuel tank with an incredible 65-70 km/l mileage according to

users, but an official mileage of 55 km/l. However, the drum brakes in the front and rear followed by thin tires make it hard to control during braking and high speed. Overall, considering the price and the mileage, it is a great bike.

Price: Tk. 95,000 - 1,15,000
Distributor: TVS Auto Bangladesh Limited

CC: 110
Engine: Air cooled, 4-Stroke, SI Engine
Mileage: 55 km/l
Transmission: 4-Speed Manual
Suspension: Telescopic Oil Damped (Front), 5-Step Adjustable Hydraulic Shocks with swing arm (Rear)

Brakes: Drum (Front), Drum (Rear)

ABS: None

Honda Livo 110

The Honda Livo is quite known for being one of the best beginner motorcycles as it is very forgiving to ride while being dynamic and stylish. The engine performance delivery is amazing with the right frame, transmission and suspension set-up. Its low fuel consumption of 60 km/l and Honda's after sales services add up to the buyer-friendly features. It may have thinner tires than its competitors and is a bit costlier than some bikes in



the 110cc category.
Price: Tk. 1,05,000 - 1,25,000/-
Distributor: Bangladesh Honda Private Limited

CC: 110
Engine: Air-cooled, 4-Stroke BS-IV engine

Mileage: 60 km/l
Transmission: 4-Speed Manual
Suspension: Telescopic (Front), Spring Loaded Hydraulic (Rear)

Brakes: Drum Brake (Front), Drum Brake (Rear) (CBS Braking System)
ABS: None

Runner AD-80s

The Runner AD-80s is one of the most budget-friendly bikes in Bangladesh, being quite nimble and powerful for an 80cc bike. The main reason for its affordability is that almost all the parts are manufactured in Bangladesh. It is also very comfortable for long rides and has a 9-litre fuel tank and an astonishing official mileage of 60 km/l. Most consumers even said that it can do up to 65-68 km/l. Unfortunately, the bike doesn't have good brakes and suspension set up, leading to unwanted vibrations at times. Still, the flaws are easy to overlook because of the bike's overall affordability and

mileage.
Price: Tk. 60,000-80,000/-

Distributor: Runner Automobiles Limited

CC: 80
Engine: Air-cooled, 4-stroke Petrol Engine

Mileage: 60 km/l
Transmission: 4-Speed Manual
Suspension: Hydraulic Telescopic (Front), Coil Spring Hydraulic (Rear)

Brakes: Drum Brake (Front), Drum Brake (Rear)
ABS: None



With fuel prices at their peak and cars getting increasingly more

expensive in

Bangladesh, people are buying more motorcycles than ever, all thanks to the two-wheeler convenience of easy manoeuvring through the jam-packed traffic of Dhaka, easy maintenance and affordability. Fuel efficiency is a concern nowadays as people want to travel the farthest distance with the least amount of fuel consumed.

If you are looking for motorcycles with the lowest fuel consumption, here is our list of the most efficient motorcycles available in the local market.



PALKI

An affordable locally assembled Electric Vehicle on its way

SHAHRIAR RAHMAN

In today's world, many countries are now changing lanes and embracing electric vehicles (EVs). In the past decade, we have seen a tectonic shift in the automotive industry - we have seen brands like Tesla, Rivian and NIO take off. We have also seen conventional automakers like Volvo, GM, Nissan and Ford fast-track their EV product line. Globally, electric vehicle sales figures have soared to a record high. Countries like Norway, Germany and Netherlands have adopted electric vehicles swiftly. Even in China, the electric car market now consists of 28% now, which is a massive pie compared to just five years back.

In Bangladesh, where the automotive assembly industry is in its infancy, a local startup wants to change the scene. Challenging the status quo, Palki Motors, a homegrown startup, is planning to launch their very own locally assembled electric vehicle.

Palki's flagship product is a four-door



12 of Uttara and are nearly a couple of weeks away from a fully locally assembled prototype. Momin informed that 40% of the parts are made in Bangladesh while the rest of them are being imported from China and Taiwan for local assembly.

When asked how he got the idea of coming up with this venture, Momin, a Grameenphone Accelerator Graduate, explained that it all started when he was looking for a reasonably cheap second-hand car. "Being an electrical engineer and an entrepreneur, I felt this was a huge addressable market. As electric vehicles do not need an engine, which is the most complex bit in any vehicle, it would be much more cost-effective and efficient to assemble an electric vehicle locally", Momin exclaimed. Momin previously worked with the BRAC University in 2013 as a student on their electric car project. After post-graduation in electrical engineering from the US, he came back and started working on CWork, a startup hatched out of Grameenphone's accelerator program. But due to the Covid-19 pandemic, Momin could not make it sustainable and hence had to close it down. Nonetheless, he is optimistic that his locally electric vehicles will be able to take off as Bangladesh has a huge untapped market for cost-efficient electric swappable battery-based vehicles. In this particular business model, electric vehicles, instead of charging, will swap a drained battery, with a new one. Momin and his team believes, with enough active sign-ups, this model will catch on peripheries where improperly engineered vehicles are already running.

Palki comes with a 60V 100Ah lead acid battery which offers a driving range of up to 150 kilometres on a single charge. To fully charge its battery array, it takes around 6-8 hours. The service life of the lead acid battery is expected to be around 36,000+ kilometres. Meaning, with the changing of the battery, it will

cost around Tk. 1.73 per kilometre, claimed Momin.

He also said that as in Bangladesh vehicles are heavily taxed and soaring fuel prices are impacting the transportation industry, a good alternative would be locally assembled electric vehicles.

So far Momin and his co-founders have invested around Tk. 26 lakhs in this project and expect to deliver the first



finished product by this year. When asked whether this car would be street-legal, Momin informed that currently, Palki's electric vehicles are undergoing testing at Bangladesh Roads & Transportation Authority (BRTA) and Bangladesh University of Engineering Technology. Palki has already met more than 40% of the local standards, according to Momin. As the output of the motor of the electric vehicle is relatively low and the high speed of the vehicle is under 60 km/h, regulations are relatively lax.

Once Palki gets the necessary approval, the venture plans to start delivering the first batch by the end of January 2023. The estimated time to deliver a single vehicle after pre-order is around 50-60 days. To pre-order, one must pay 10% of the price. Palki and its team expect their vehicles will be able to make a significant impact in Bangladesh's transportation industry.



& four-wheel battery-swappable electric vehicle. The startup is on the verge of accepting pre-orders for their vehicles. Starting at a price Tk. 4.99 lakh, Palki has already generated quite a buzz amongst people seeking an affordable mode of transportation especially out of the capital.

According to Mustafa Al Momin, Co-founder & CEO of Palki Motors, Palki has already gotten 600+ signups for their first car.

Palki is right now undergoing assembly of their prototype vehicles which are based and modelled after generic Chinese electric vehicles. Palki Motors have already established an assembly shed in Sector