Can Tesla's EVs win over India's price-conscious buyers?

Mr Kumar, 55, now keeps little money in the bank, having shifted most of his savings to the stock market. With his son's 1.8 million-rupee ($20,650; £16,150) private medical.

The American electric vehicle (EV) giant has begun hiring for a dozen jobs in Delhi and Mumbai. It is also reportedly hunting for showrooms in both cities.Asia's third largest economy offers an interesting growth opportunity for Tesla's futuristic cars as its global EV sales plummet and competition from Chinese manufacturers gets more intense.But there's a million-dollar question - can Tesla compete in India's price-sensitive market?Tata Motors currently holds pole position in India's EV market - with over 60% market share. MG Motors - jointly owned by India's JSW and a Chinese firm - is second at 22%. They are followed by Mahindra and Mahindra.

EVs made by these companies cost less than half of what consumers will have to shell out - around $40,000 (£31,637) - for just the base model of Tesla. It will, therefore, be seen as a luxury car, competing with higher-end EVs made by Hyundai, BMW and Mercedes.Simply in volume terms, this will make India a tiny market for Tesla chief Elon Musk, unless the company introduces a low-cost model specifically for the country.Besides price, India's road conditions could pose a challenge.Tesla cars have very low ground clearance - or the distance between the lowest point of the car's undercarriage and the ground. This will make adapting to Indian roads difficult. To operate in the country, existing models may have to be re-engineered - which would drive up manufacturing costs.

Will Tesla do this just for one developing market where it could have only a small presence?It's been a challenge even with other global original equipment manufacturers (OEMs) at the high end with small volumes. You can't justify these major engineering changes," Hormazd Sorabjee, editor of Autocar India magazine, .Also, amidst all the hype, it is easy to forget that EV sales still make up less than 3% of overall passenger vehicle sales in India. Even critical ancillary infrastructure, like charging stations, have taken years to come up. While they have picked up pace, there are only around 25,000 charging stations across India.

In effect, Tesla will be jostling for space in a very small, albeit growing, EV market.But at a policy level, India appears to be making every effort to woo the carmaker.The country has outlined an ambitious national vision to go electric. It plans to have 30% of private cars, 70% of commercial cars, 40% of buses and 80% of two and three-wheelers go electric by 2030. Most provincial governments have also established their own EV policies to incentivise demand and supply.Subsidies offered by India on electric cars are also the highest among major economies, according to HSBC Securities. They amount to as much as 46% of the price of the country's top-selling electric car model.It's no surprise then that passenger EV sales have grown astronomically by over 2,000% in less than five years - going from a low base of 4,700 annually to a 100,000 cars.The price difference between regular cars and EVs has reduced a lot, making customers rethink their choice," says Jyoti Gulia, founder of JMK Research.In April last year, India also cut import taxes on EVs for global carmakers which committed to investing $500m (£400m) and starting local production within three years.

Tesla and other imported electric vehicles costing over $35,000 (£27,550) can now enjoy a lower import duty of 15% on up to 8,000 vehicles. This came after Musk complained that high import duties had prevented the firm from launching its cars in the world's fastest-growing major economy."It's quite clever, as it forces a global player to localise - which is the way the game works: come and build in India," says Sorabjee.

The proposed policy could put Indian domestic carmakers at a disadvantage, however, given that the investment requirement for foreign players is "not significant" compared to Indian players in this segment, an HSBC research paper warns.Import duty of 15% is also "much lower" than the tax on comparable combustion engine cars in India which also pay an

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