

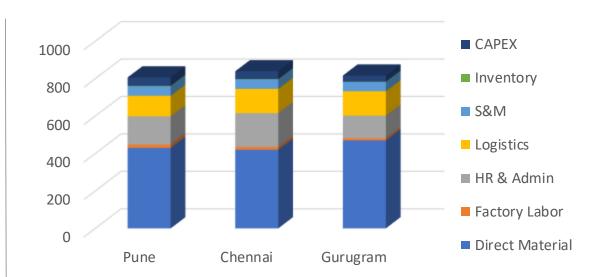
Nexus, a car manufacturer, is launching production of its new model- 'Voltaris Z' in India across three cities, with plans to

acquire AutoAl.

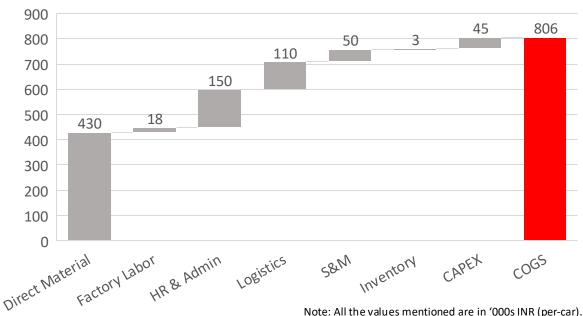
- Entering a new market presents challenges including **location** choice, and assess postacquisition procurement synergies of automotive startup, AutoAI.
- Identify the **ideal** production facility location
- Minimize overall costs
- Leverage AutoAl's supply chain to **boost efficiency** and competitiveness.

COGS Overview Across Locations

- •Pune: Best efficiency and supply chain alignment with the lowest COGS at INR 806K/Car and balanced costs across categories.
- •Chennai: Despite reduced material prices and middling inventory efficiency, the city has the highest COGS at INR 839K/car because of high HR/admin expenditures.
- •Gurugram: Low labor and inventory expenses contribute to a moderate COGS of INR 816K/Car, while high material costs have an impact on efficiency.



COGS Breakdown of Pune



Why Pune is Nexus Motors' Best Bet for 2027: Lowest COGS, Strong Synergies, and Optimal Supply Chain.

Risk	Likelihood	Impact	Mitigation Strategy
Supply Chain Disruption	4	5	Leverage Auto Al's supplier network and diversify vendor base.
Labor Unavailability	3	5	Develop skill enhancement programs and secure local talent pipelines.
Regulatory/ Compliance Changes	3	3	Monitor policy updates and ensure regulatory alignment proactively.
Material Cost Volatility	4	5	Establish long-term contracts with suppliers and to protect from price fluctuations.
Logistics and Transportation Delay	3	4	Implement real-time tracking and diversify transport partners.
CAPEX Overrun	2	4	Implement phased CAPEX with milestone-based reviews.
Inventory Holding Inefficiencies	3	3	Optimize inventory cycles using AI-powered demand forecasting.

Likelihood (1–5): 1 = Very Low, 5 = Very High

Impact (1–5): 1 = Minimal Impact, 5 = Severe Impact

Pune: Balanced expenses with the **lowest COGS at INR 806K/car.** Pune will be the **most economical site** due to assistance AutoAI synergies, which will further improve supply chain efficiency.



Gurugram: INR 816K/car, moderate COGS. Overall efficiency is decreased when labor and inventory expenses are low but material prices are high. Future cost efficiency is enhanced by AutoAl synergy.



Chennai: INR 839K per car is the highest COGS. It is the least practical choice since, even with reduced material costs, it has slower inventory turnover and greater HR/admin costs, which limit cost effectiveness.

Unlocking INR 11.8B+ in Cost Savings post-acquisition across Pune, Gurugram, and Chennai.

Recommendation: Pune presents an ideal combination of cost efficiency, manageable operational expenses, and advantageous post-acquisition synergies for Nexus Motors' production facility planned for 2027.

Key insights supporting this recommendation:

Source: Excel Analysis [Link]

- Pune generates cost savings of INR 3.82 billion, which is comparable to Gurugram, yet it benefits from lower cost of goods sold (COGS) and improved operational efficiencies.
- **Gurugram** achieves savings of **INR 4.1 billion**; however, **elevated direct material** and **operational expenses** diminish its overall benefits.
- Chennai experiences advantages from procurement synergies, but increased labor and administrative costs negate potential savings.
- **Pune's** reduced inventory holding costs and optimized supply chain contribute to enhanced **long-term cost benefits** following the AutoAl acquisition.







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