

**REF: WIML/BSE/IP/NOVEMBER-2024** 

Date: 14th November, 2024

To,
Corporate Relations Department
BSE Limited
Phiroze Jeejeebhoy Towers,
Dalal Street, Mumbai-400 001.

BSE Scrip Code: 538970 Script ID: WARDINMOBI

Ref: Wardwizard Innovations & Mobility Limited ("Company").

**Sub: Investor Presentation.** 

Dear Sir/Madam,

We hereby enclose an Investor Presentation "Wardwizard Innovations & Mobility Limited Investor Presentation Q2 FY25."

We request you to take the same on your record.

Thanking you,

For WARDWIZARD INNOVATIONS & MOBILITY LIMITED,

DEEPAKKUMAR MINESHKUMAR DOSHI CHIEF FINANCIAL OFFICER



# Wardwizard Innovations & Mobility Limited

INVESTOR PRESENTATION
November 2024 | Q2FY25



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## The Future of **Mobility is Electric**

A Global Shift Towards Sustainable Transportation





## **Industry Overview:** The Electric Vehicle (EV) Revolution



#### **Increased EV Adoption**

EV adoption is growing rapidly worldwide, due to environmental regulations and sustainability goals



### Affordability & Accessibility

EV 2Ws provide a cost-effective alternative to petrol, offering up to 70% operational savings for India's price-sensitive market



#### **Rapid Market Growth**

The global EV market is projected to reach \$1,084 billion by 2029 with a CAGR of 6.63%



## Three-Wheeler (3W) Market Expansion

EV 3Ws are transforming urban logistics and last-mile delivery with lower emissions and cost savings



#### India's EV Push

The Indian government is pushing for 30% EV penetration by 2030, backed by Government policies



#### **Increasing Investment**

India's EV market is attracting significant investments, boosting innovation and infrastructure development



#### Rising Two-Wheeler (2W) Demand

EV 2Ws are gaining mass adoption in India due to rising fuel costs, urban congestion, and the need for affordable, eco-friendly transport.



#### **Growth Drivers**

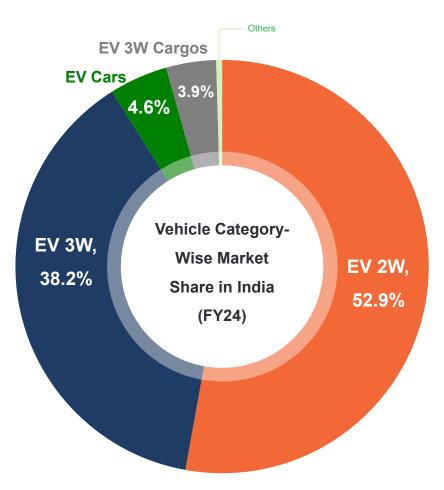
Urbanization, environmental awareness, supportive policies, and rapid improvements in battery technology and charging infrastructure



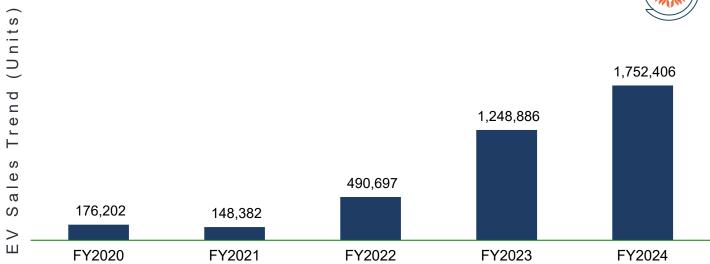
Source: Statista; NITI Aayog; Economic Times

## **Opportunity:** Electrifying Growth Potential





EV 2Ws dominate the EV landscape, accounting for over 50% of sales, driven by affordability and rising fuel costs



- India's EV market is projected to grow at a rapid pace, with the **potential to reach ~80 million**EVs on the road by 2030
- EV 2W market, currently valued at ~USD 105 billion in 2024, is expected to reach ~USD 186 billion by 2030, offering a high-growth segment with a CAGR of 9.94%
- EV 3Ws sales surged by 57% in FY2024, now making up ~38% of the EV market, indicating strong demand for passenger and cargo variants in urban logistics
- India's public EV charging stations, as of February 2024, are projected to grow from ~12,146 to ~1.32 million by 2030, creating a robust ecosystem to support mass EV adoption
- Government initiatives like FAME II and the Electric Mobility Promotion Scheme (EMPS)
  with financial support and exemptions on critical minerals like lithium, are driving down costs
  and accelerating EV adoption

## PM E-DRIVE Scheme: Accelerating India's EV Growth with Wardwizard



The Ministry of Heavy Industry has introduced the PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE), aiming to fast-track EV adoption and essential infrastructure



#### **Scheme Launch**

Initiated by the Ministry of Heavy Industries, the PM E-DRIVE scheme has a ₹10,900 crore budget to drive EV adoption



#### **Implementation**

Oerational from October 2024 to March 2026, building charging infrastructure and boosting EV production nationwide



#### **Focused Support**

Offers subsidies and incentives for EVs, including ebuses, e-2Ws, e-3Ws, and new EV categories, with targeted grants for charging networks.



#### **Charging Network Expansion**

₹2,000 crore allocated for 72,300 public fast chargers, to be installed in key EV-use regions and along highways



#### **E-Voucher Innovation**

Aadhaar-based e-vouchers streamline the benefits process, enhancing dealer reimbursement and buyer convenience



#### Wardwizard's Growth Opportunity

Enhanced demand for EV 2Ws and 3Ws, increased infrastructure for EV adoption, and improved incentives create strong growth potential for Wardwizard's Joy e-bike and Joy e-rik brands

## The Rise of EV Charging Infrastructure & Benefits of EV Adoption



## **Expanding Charging Network**

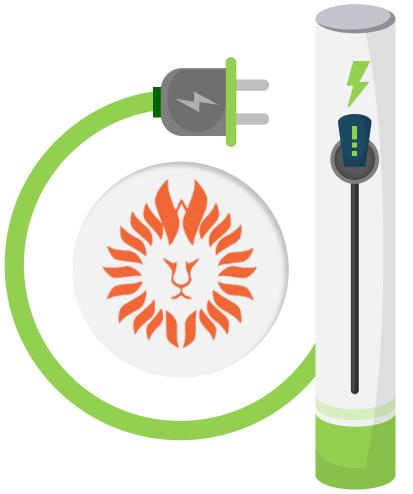
- Government support and policies are accelerating EV infrastructure growth with over 72,300 charging stations planned in major cities
- Partnerships with energy providers are enhancing charging accessibility, particularly fast-charging, to support EV adoption

## **EV Benefits Over ICE Vehicles**

- EVs offer significant savings on fuel and maintenance, benefiting consumers and reducing long-term operating costs
- Lower greenhouse gas emissions align with global sustainability goals and improve urban air quality
- EVs convert more energy from their power source directly to vehicle movement compared to internal combustion engines (ICEs), offering a more efficient alternative
- EVs deliver instant torque and smoother acceleration, elevating the driving experience

## Wardwizard's Positioning: Leading the Way







## **Capitalizing on India's EV Growth Potential**

With India's EV market rapidly expanding, Wardwizard is strategically positioned to benefit from increasing demand for electric 2Ws and 3Ws, especially in Tier 2 and Tier 3 cities



#### **Pioneering Affordable & Sustainable Mobility**

Wardwizard's focus on affordable, eco-friendly 2Ws makes it a front-runner in addressing the rising demand for cost-effective and sustainable transportation solutions



#### **Aligned with Government EV Policies**

With state-level EV policies supporting electric mobility, Wardwizard is perfectly aligned with national priorities, giving it a competitive advantage in capturing subsidies and incentives



### **First Mover in Underpenetrated Markets**

Wardwizard's focus on semi-urban and rural areas positions it to capture underpenetrated markets, where two-wheelers are the primary mode of transportation, and EV adoption is on the rise





# Our Journey of Innovation and Success

Milestones and Financial Strength Driving Our Future



## Who We Are



- Wardwizard Innovations & Mobility is a leading electric vehicle manufacturer, dedicated to revolutionizing sustainable mobility with innovative, eco-friendly solutions
- Pioneering in EV technology with a diversified portfolio across 2Ws, 3Ws, and upcoming segments, Wardwizard aims to shape the future of electric mobility in India and global markets.



March 2016

Founded



Vadodara, Gujarat, India

Headquarters



**1,25,000** sq.ft.

Total Manufacturing Facility



10<sup>+</sup> EV models across 2Ws and 3Ws

Product Range



**150**<sup>+</sup>

Showrooms Distributors



**22**+

Company Owned Retail Outlets



**750**<sup>+</sup>

**Dealers** 



1,00,000+

EV Units rolled out

#### **Vision**

To Empower 55,000 Enterprises For Prosperity

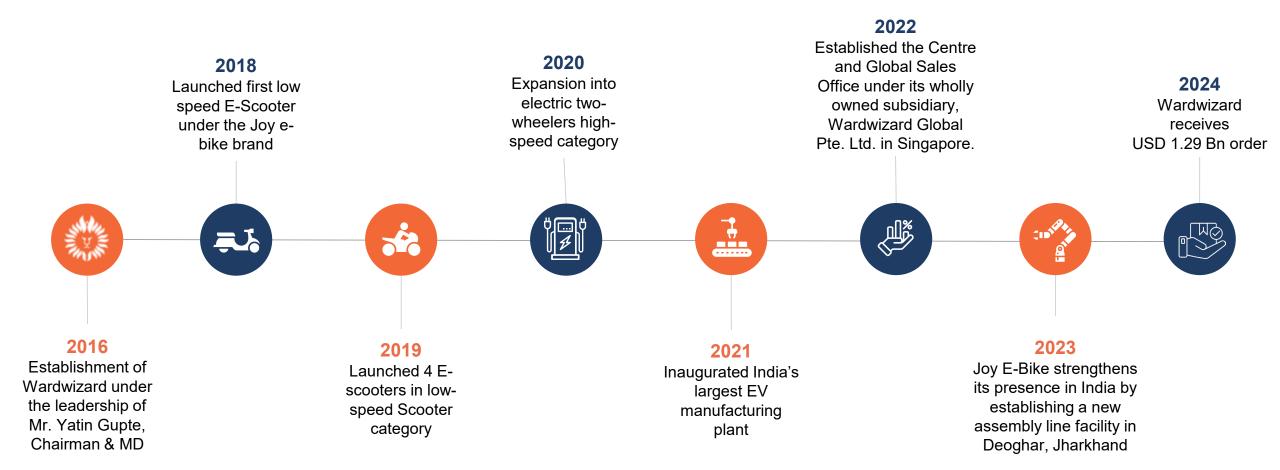
#### **Our Values**

Teamwork Empowerment & Customer Satisfaction



## Milestones on the Road to Success





## **State of the Art** Manufacturing Facility





















Located Vadodara Gujarat and Deoghar, Jharkhand



Close Proximity To The **Vendors** 



Spread Across **70,000 Sq Ft** for 2Ws (Gujarat) Spread Across 40,000 Sq Ft for 3Ws (Gujarat) Spread Across 15,000 Sq Ft for 2Ws (Jharkhand)



1 Semi-automatic Assembly Line



Annual Capacity Single Shift 1,20,000 Units PA for 2Ws



A 2 wheeler Is Produced Every 150 Seconds After First Vehicle Is Completed

## **Growing Nationwide Distribution Network**







750<sup>+</sup> Dealers



**400**<sup>+</sup> Cities

19 States & Union Territories



60,000+

Satisfied Customers



25<sup>+</sup> Branch Offices



200<sup>+</sup>Service Centers



**22**<sup>+</sup> Company Showrooms

## **Empowering Mobility:** Low-Speed Scooters





#### **MARKET SEGMENTATION**

Rural and Semi-Urban Terrains For 16 – 25 years old



Eco-Friendly



No License



No Registration



WOLF





**GEN NEXT NANU** 



## **Speed and Style:** High-Speed Scooters





#### **MARKET SEGMENTATION**

Urban, Hilly, and Rural Terrains For 18 – 60 years old









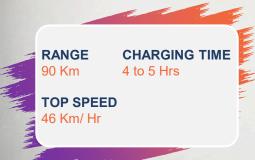
## **Efficient & Eco-Friendly:** Eco Models Scooters





#### **MARKET SEGMENTATION**

Urban, Hilly, and Rural Terrains For 18 – 60 years old



**GEN NEXT NANU ECO** 



RANGE CHARGING TIME 90 Km 4 to 5 Hrs TOP SPEED 46 Km/ Hr





## **Power Meets Innovation:** Electric Bikes











## **Clean Community Transport:** E-Carts & Waste







Range Per Charge 150-160 Km



Power 1.5 Kw



Capacity
310 Kgs



ARAI Vehicle Approved



Max Speed 25 Kmph



Warranty
Battery – 36 months
Product – 12 months



## **Driving the Future:** Our Newest Arrival







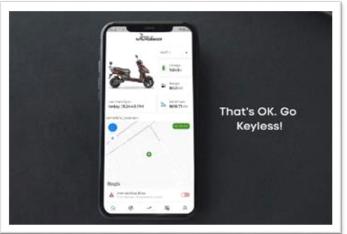


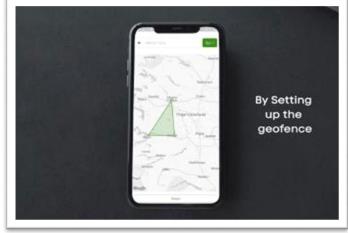


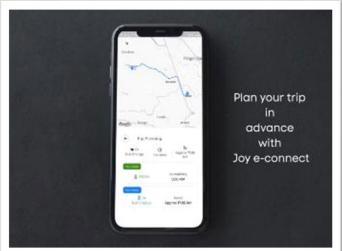
## **Revolutionize Your Ride** with Joy E – Connect

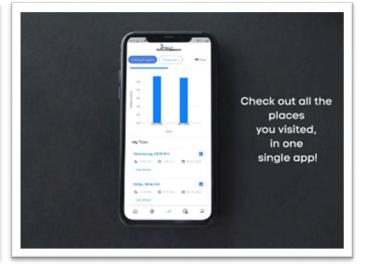












## **Quarterly Business Insights** & Progress



#### Strategic Expansion in Saudi Arabia

Wardwizard Innovations & Mobility Ltd. received a Letter of Intent (LOI) from Royal Highness Prince Abdulaziz Bin Turki Bin Talal Bin Abdulaziz Al Saud to establish a Joint Venture in the Kingdom of Saudi Arabia (KSA). This collaboration is set to include two manufacturing plants for electric motorbikes, three-wheelers, four-wheelers, buses, and EV cells, aligning with KSA's sustainable development vision. A completed feasibility study confirmed the viability of this joint venture, marking a significant step in Wardwizard's global expansion.

#### Strong Domestic Sales Performance

Recorded cumulative sales of 7,201 electric two-wheelers in the first half of FY 2024-25, with a strong monthly performance in August and September.

#### Festive Season Initiatives

• Exclusive promotions on flagship models, paired with new financing options and complimentary add-ons, make the transition to EVs even more accessible this festive season

#### New Product Variants

Added a new red color for Gen Next models to align with festive demand and appeal to style-focused customers

#### ■ E-Trike Development

Collaborated with Beulah International for a new electric 3-wheeler, now undergoing prototype testing and customer feedback in the Philippines.

## **Q2FY25 Financial** Highlights



**Units Sold** 

3,831

July – September 2024

Total Revenue

₹ 58.32 cr

▲ 18.6% YoY

EBITDA

- ₹ 1.64 cr

▼ 127.4 % YoY

PAT

- ₹ 6.22 cr

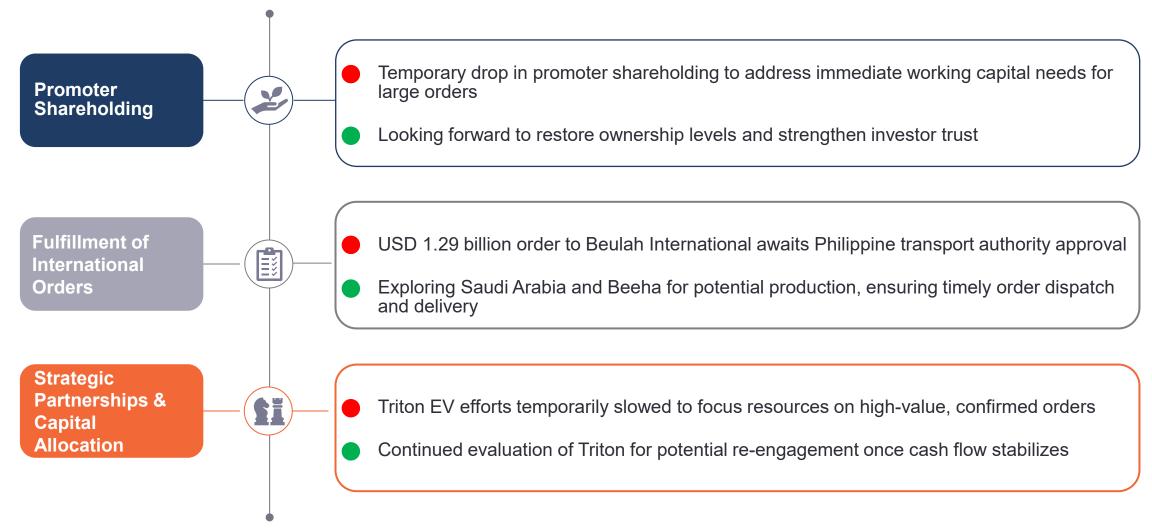
**7** 143.9% YoY





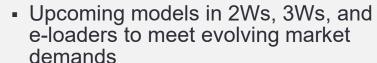
## Strategic Insights: Shaping a Stronger Future











 Collaboration with A&S Power on GAJA 26650 5000mAh cells, enhancing thermal stability, reducing drift voltage, and improving overall e-mobility efficiency





 Application for DSIR recognition to strengthen innovation credentials and enhance technical resources

 In-house development of nextgen motor designs and patentable e-bike control units for a competitive edge

## The Road Ahead – Strategic Priorities for Expansion









## Expanding Sales & Distribution Network

## **Progress on EV Ancillary Cluster**

## Strengthening Investor Relations & Communication

- ➤ Target of 2,000 dealers and 250 districtlevel showrooms, deepening market presence and service reach
- ▶ ₹2000 crore project with the Gujarat government, focusing on battery, motor, controller manufacturing, and a 3-wheeler assembly line
- ▶ Planning to start fully integrated EV production ecosystem, focusing on local manufacturing of electric vehicles, batteries, and key components, while enhancing infrastructure like charging stations and battery swapping. This will support sustainable mobility and contribute to India's Make in India vision
- ► Commitment to transparent, regular updates, including progress on the rights issue for growth financing
- Active investor engagement to build trust and align on the company's growth trajectory





## **Investment Rationale:** A Compelling Investment Opportunity



- Pioneering EV Innovation
  - First movers in India's electric two-wheeler market with advanced R&D and upcoming hydrogen-powered models.
- Expanding Product Portfolio
  - Diverse offerings across electric scooters, bikes, and e-rickshaws with new models launching soon.
- Strategic Global Reach
  - Growing international footprint with plans for manufacturing in the Philippines and Saudi Arabia.
- Strong Market Demand & Government Support
  - Positioned to benefit from India's push for 80 million EVs by 2030 and supportive policies like PM E-Drive Scheme.
- Transparent Growth Strategy
  - Clear commitment to revenue growth, network expansion, and investor trust through proactive updates





## **Board of Directors**





Mr. Yatin Sanjay Gupte

Chairman & Managing Director

- Mr. Gupte currently serves as Chairman and Managing Director for Wardwizard, and founded and Wardwizard Group in 2016
- He has 15 years of experience working in sales & marketing, business development, client servicing, renewals, and operations (including 11 years of work experience in insurance)
- He has an Honorary Doctorate in Social Service and earned his Master's in Business Administration (M.B.A Exe.) in Insurance & Risk Management from Bhartyiya Shiksha Parisha, Uttar Pradesh



Mrs. Sheetal Mandar Bhalerao Non-Executive & Non-Independent Director



Lt General Jai Singh Nain (Retd) Non - Executive Independent Director



Dr. John Joseph Non-Executive Independent Director



Mr. Avishek Kumar Non Executive – Independent Director



Mr. Miteshkumar G Rana Non-Executive Independent Director



Mr. Paresh P Thakkar Non-Executive Independent Director

## **Management** Team





Mr. Deepak Doshi Chief Financial Officer



Ms. Jaya Ashok Bhardwaj Company Secretary & Compliance Officer



Mr. Sanjay Kumar Sablok President-Operations



Mr. Alok Jamdar Vice President of Operations (Production)



Mr. Vilas Paturkar Vice President (3 Wheeler Production)



Mr. Akhtar Khatri
Director-Sales & Strategy–
(Domestic & International
Sales)



Mr. Vineet Akre
Sr. Vice President of
R&D & Production

## Wardwizard Global PTE Ltd., Singapore



Wardwizard Global PTE Ltd, Singapore, a wholly owned subsidiary of Wardwizard Innovations & Mobility Ltd, was incorporated in August 2022. With a strong vision, this Global Research & Development Centre aims to become a Centre of Excellence dedicated to innovating next-gen cell technology, optimal solutions, and knowledge building in Singapore, all with the ultimate goal of transforming and enhancing the end customer experience.

#### **Key Focus Area**

Our team actively seeks quality improvements and cost optimization in cell and cell-to-pack processes. Key areas include advancing cell chemistry, refining cell-to-pack assembly, and exploring Smart Battery Management Systems. We aim to establish a global training hub, sharing expertise with Indian engineering teams.

### **Advancements in Cell Chemistry**

Currently team is collaborating with cell suppliers and partnering with Nanyang Technological University (NTU), Singapore, for cell fabrication and R&D on LFP batteries. Our goal is to enhance power density and reduce costs, driving innovation In battery technology.

#### **Collaboration with A&S**

Wardwizard has partnered with A&S to advance the development of next-gen Li-lon cell technology. The cells, manufactured at our advanced facility, have earned BIS Certification. This collaboration also enables the creation of a dedicated production line for future cell innovations.

#### **SMART BMS Initiatives**

In the realm of SMART BMS team is conducting thermal analysis, ANSYS simulations on battery packs, and AI data analysis for long-term battery system performance. Our roadmap Includes streamlining module design, electrical housing, house BMS development for improved safety and functionality.

#### **Assembly Production Line and Roadmap**

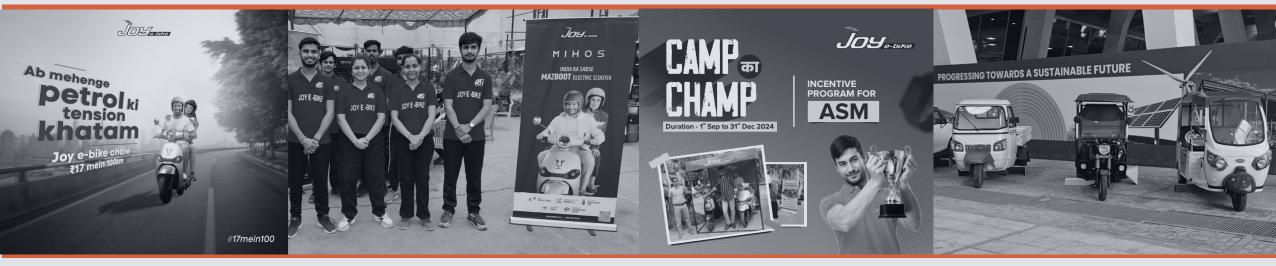
Our center is finalizing the pack assembly production line, supporting the creation of a robust EV ancillary cluster. Over the next 2–3 quarters, we will focus on optimizing cathode and anode materials, collaborating with vendors and cell manufacturers to enhance quality and reduce costs, while also expanding global partnerships

## **Battery Assembly Research**

Our research also extends to battery pack assembly, encompassing mechanical integration testing with RR, thermal analysis (simulation), and physical testing.

## **Engaging Marketing Techniques** To Create Brand Awareness





- Sparking a Green Revolution; #17Mein100 Campaign: Promoted the eco-friendly and cost-efficient Joy e-bike with social media creatives showing it can travel 100 km for just ₹17. The campaign focused on relatable scenarios, showcasing Joy e-bike's affordable, green lifestyle.
- Cricket League Activation: Sponsorship of a cricket event in Ajmer, featuring branded displays and test rides, generated 40 customer leads.
- Camp 可 Champ Program: Launched an incentive initiative for Area Sales Managers, with canopies set up in high-footfall areas to boost sales leads, rewarding top performers.
- Click-11 Photography Exhibition: Sponsored an event with Click Vadodara on World Photography Day, connecting with the community through an artistic photo exhibit.
- Re-Invest Expo Participation: Showcased Joy e-bike's range, including hydrogen-powered and garbage-collection models, at a renewable energy expo inaugurated by PM Modi, attended by 25,000+ delegates.

## Strategic Marketing Approaches for Building Brand Awareness







## **Association with Flipkart and Amazon**

This strategic alliance aims to elevate brand visibility, enhance online visibility, and create a seamless omnichannel experience. Joy e-bike's electric scooters are now easily accessible on Flipkart, offering customers the convenience of purchasing with occasional discounts.

## Awards & Accolades





Best Electric Vehicle Manufacturing CEO - Mr. Yatin Gupte by M & A Global Awards



**India's Impactful CEO** 



The Economic Times Most Promising Business Leader Of Asia 2020 -2021

## **Awards** & Accolades





## **Fastest Growing Brand 2023 by Asia One**

Joy e-bike has been awarded the Fastest Growing Brands 2023 by Asia One in the Electric Vehicle (EV) Category (Manufacturing).



## **Prestigious Rising Brands of Asia 2023-24 Award**

Joy e-bike has been awarded at the Global Business Symposium (GBS), hosted by BARC ASIA, ERTC Media, and Herald Global in Dubai, UAE.



Mr. Yatin Gupte, and his vision got covered as a Brand Connect Advertorial by Forbes India in the December edition, themed "Rich List"!

## **Consolidated** Profit & Loss Statement



Particulars (₹ crores)	Q2FY25	Q1FY25	Q2FY24	H1FY25	H1FY24	FY24
Net Sales	58.18	51.41	49.15	109.60	87.02	321.42
Other Income	0.14	0.03	0.01	0.17	0.03	0.21
Total Income	58.32	51.44	49.16	109.77	87.05	321.63
Expenses						
Raw Material costs	45.36	33.32	41.52	78.68	78.29	240.52
Changes in stock -in -Trade	-0.25	-3.03	-6.74	-3.28	-17.29	-11.14
Employee Benefit Expenses	3.44	3.62	3.19	7.07	5.86	13.35
Other Expenses	3.06	2.47	2.50	5.53	4.49	14.97
Advertisements & Sales promotion	6.33	6.09	1.50	12.42	3.19	27.36
Professional Fees	2.03	1.48	1.22	3.51	2.00	4.77
Total Expenditure (Excluding Interest and Depreciation)	59.96	43.95	43.18	103.92	76.54	289.83
EBIDTA	-1.64	7.49	5.99	5.85	10.50	31.80
EBIDTA (%)	-2.81%	14.56%	12.18%	5.33%	12.07%	9.89%
Interest	3.79	2.88	0.94	6.67	1.74	5.21
Depreciation	1.52	1.49	1.65	3.01	3.19	6.67
PBT	-6.96	3.12	3.40	-3.83	5.57	19.92
TAX Expense (Including Deferred Tax)	-0.74	0.82	0.86	0.08	1.46	6.48
PAT	-6.22	2.30	2.55	-3.91	4.11	13.44
Reported Net Profit	-6.22	2.30	2.55	-3.91	4.11	13.44

## **Consolidated** Balance Sheet



Particulars (₹ crores)	H1FY25	FY24	Particulars (₹ crores)	H1FY25	FY24
<b>Equity and Liabilities</b>			<u>Assets</u>		
Equity Share Capital	26.07	26.07	Non-current assets		
Other Equity	71.21	75.19	Property Plant & Equipment	46.81	47.93
<b>Total Equity</b>	97.28	101.26	Capital work in progress	12.11	0.03
			Other Intangible Assets	6.18	5.88
Non-current liabilities			Other Non-Current Financial Assets	0.19	0.20
Borrowings	9.56	10.39	Deferred tax assets (Net)	0.35	0.43
Lease Liability	0.88	0.42	Other Non-Current Assets	4.14	19.55
Provisions	1.51	1.16			
Total non-current liabilities	11.96	11.97	Total non-current assets	69.78	74.01
Current Liabilities			Current assets		
Borrowings	165.60	72.52	Inventories	74.30	77.62
Lease Liability	0.52	1.31	Trade Receivables	66.10	66.46
Trade Payables	30.69	59.22	Cash & Cash Equivalents	29.53	5.09
Other financial liabilities	0.03	0.03	Bank Balances	0.03	0.03
Other current liabilities	20.97	30.75	Current Loans & Advances	40.80	18.13
Provisions	4.49	4.12	Other Current Financial Assets	21.52	22.75
Current tax liabilities (Net)	3.78	4.21	Other Current Assets	33.27	21.30
Total current liabilities	226.09	172.17	Total current assets	265.55	211.38
Total Equity and Liabilities	335.32	285.39	Total Assets	335.32	285.39



Innovations & Mobility Limited

## Thank You



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