

Where Metal Meets Precision

FY25 Investor Presentation

Thaai Casting: Empowering Automotive Excellence Through Precision & Quality

Thaai Casting Limited (Thaai Casting, The Company) established in 2011, specializing in High-Pressure Die Casting and the precision Machining of both Ferrous and Non-Ferrous materials. The company also offers Induction Hardening and Gas Nitriding, processes designed to enhance the durability and performance of steel components.

With over three decades of industry experience, the company focuses on manufacturing and supplying high-quality castings to the automotive sector. Thaai Casting's product portfolio includes Engine Mounting Support Brackets, Transmission Mounts, Steering Wheels, Electrical Connectors, YFG Base Frames (right-hand and left-hand drive), and more.

The company follows a self-certification process, reflecting its commitment to product excellence, and operates on a Direct On Line (DOL) basis for efficient supply chain management. In addition to its expertise in casting & machining, Thaai Casting focuses on enhancing the performance of components through advanced processes such as Gas Nitriding and Induction Hardening. These capabilities are particularly valuable in demanding applications like windmill gearboxes. The company is expanding its infrastructure with new facilities for gas nitriding, gear shaping, & heavy machining, supporting its long-term growth strategy and product diversification. Thaai Casting is committed to continuous improvement & innovation, reinforcing its position as a trusted player in the industry.



Mission
&
Vision

Thaai Casting Limited mission and vision is to set a benchmark in Quality Leadership. We Deliver Quality Moulds in much shorter lead time of manufacturing as required from your conceptual thoughts & Design.

Maintain our Reputation as a Reliable Source for Quality Die Cast & Machined Products.

12+  Years of Experience

 150+ Team Size

25+  Satisfied Customer

 5 Business Verticals

ISO / IATF 16949 Certified 

 2,500 Tones Capacity Installed For High Pressure Die Casting

H1 FY25 Revenue - ₹ 48.76 Cr EBITDA - ₹ 12.53 Cr PAT - ₹ 5.37 Cr 

 FY24 ROE - 18.96% ROCE - 19.47%

Company Incorporated

ISO 9001:2008

2011



SQ Mark Award
From Hyundai



2014

Best QCD Award From Tokai
Tubber Auto Parts

IATF 16949 : 2016

2019



MSIL-GREEN Certification

Shifted from 700 sq.m to 9,000
sq.m to SIPCOT



2021

Best Quality Award from Hanon
Systems

Best Vendor Award from RSB

2022



RSB - Key Partner Award

Converted Into Public Ltd.

ISO 45001 : 2018
ISO 14001 : 2015

BIS - Approval For PDC

Met the rigorous standards of the
SMETA 4-Pillar Audit

2024



GE Approval



2023

Automotive Customers



Non-Automotive Customers



Direct OEM



End Customers



Where Precision Meets Production: State Of The Art Manufacturing Facility





Mr. Anandan Sriramulu
Chairman and Managing Director



Ms. Shevaani Anandan
Whole Time Director



**Mr. Sriramulu Rajasekar
Ramakrishnan**
Whole Time Director



Mr. Chinraj Venkatesan
Whole Time Director



Mr. Narenkumar Mandepudi
Independent Director



Mr. Achaya Kumarasamy
Independent Director

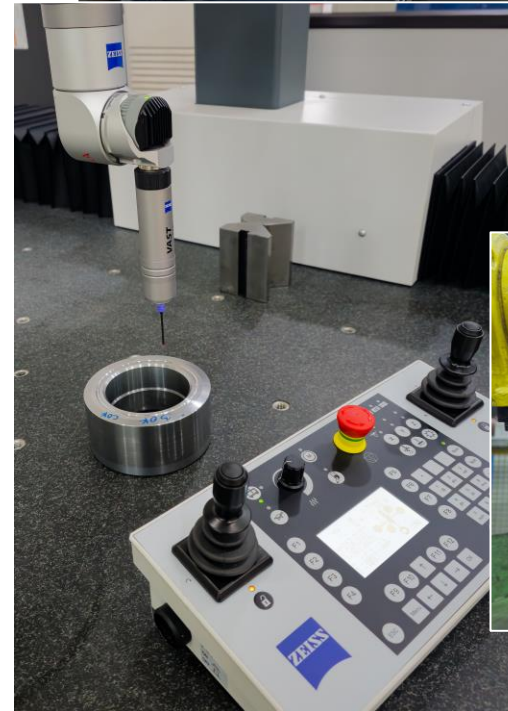


Mr. Gautham
Independent Director

1

High Pressure Die Casting

- High-pressure die casting (HPDC) is a manufacturing technique employed to create intricate metal parts by injecting molten metal into a metal Mold cavity at elevated pressure.
- Ideal for mass production, this process ensures high dimensional accuracy, superior surface finish, and the ability to craft complex shapes.
- What distinguishes the company in this competitive landscape is its ability to swiftly transition from research and development to production. The company's strong R&D capabilities and operational agility set industry benchmarks that competitors struggle to match in the short term.



2

Machining
Of Ferrous
& Non -
Ferrous

Non-Ferrous Machining Capabilities

Computer Numerical Control (CNC) Machining for Non-Ferrous Parts

Thaai Casting Limited uses CNC lathes for precision turning, ideal for crafting cylindrical parts. Facing operations create flat surfaces, drilling ensures accurate holes, and milling shapes workpieces with versatility for intricate forms.

Vertical Machining Center (VMC) Machining for Non-Ferrous Parts

VMCs with 4th-axis capabilities excel in advanced milling, drilling, tapping, and PCD reaming. They enable efficient fabrication of intricate geometries and high-precision finishes, especially advantageous for aluminum parts.

Ferrous Machining Capabilities

VTL (Vertical Turning Lathe) Setup

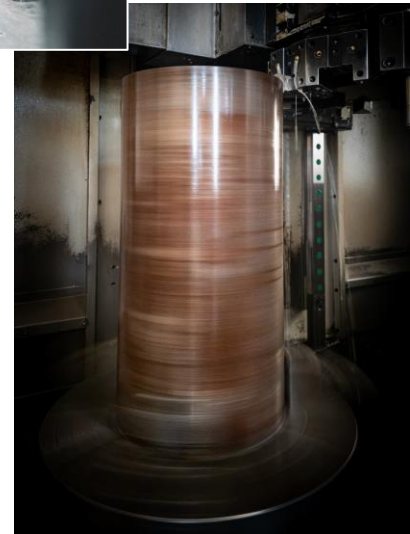
VTLs excel in heavy-duty turning for substantial components, precision facing, contouring, and crucial boring operations. Ideal for crafting symmetrical parts with meticulous internal precision.

HMC (Horizontal Machining Center) with Pallet Changeover

HMCs excel in milling, deep hole drilling, and precision tapping. The pallet changeover system boosts large-scale productivity by minimizing setup times. Ideal for high-precision manufacturing of intricate parts.

Cylindrical Grinding

Company specializes in cylindrical grinding, achieving highly accurate finishes up to 18 microns. This expertise is crucial for applications that demand ultra-precision.



3

Induction Heating And Quenching

In the dynamic realm of automotive engineering, precision and robustness are key. Automotive parts must endure harsh conditions while offering excellent performance. A pivotal method in this endeavor is induction hardening, a precise heat treatment widely used across industries. By adjusting parameters like frequency, inductor design, and quenching techniques, manufacturers can fine-tune hardness and microstructure. Induction hardening's importance grows as industries seek enhanced performance and longevity.

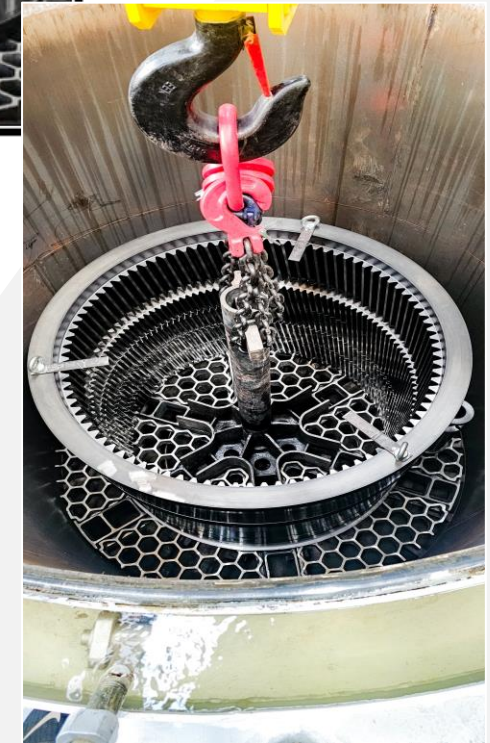
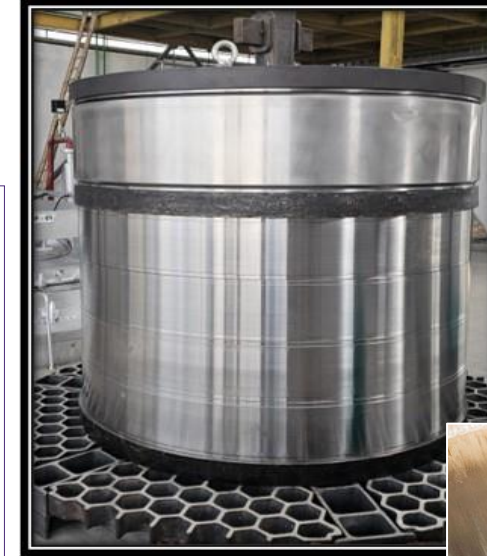
Induction hardening has wide-ranging applications across industries. In the automotive sector, it hardens parts like crankshafts and gears, enhancing durability and wear resistance. The aerospace industry uses it for aircraft parts like landing gears and turbine blades to withstand extreme conditions. Machine tools benefit from hardened shafts and bearings for increased longevity. In oil and gas, it strengthens drill pipes and valves for harsh environments. The railway industry uses it to extend the life of wheels and axles. Medical devices, including surgical instruments, are hardened for sharpness and durability. Finally, in general manufacturing, it improves the resilience of components like hydraulic pistons and fasteners.



4

Gas Nitriding

- Gas nitriding is a thermochemical surface treatment process that diffuses nitrogen into the surface of a metal to create a hard, wear-resistant layer. This process is essential for enhancing the performance and longevity of critical components, such as those used in windmill gearboxes, by providing increased resistance to wear, corrosion, and fatigue.
- SCADA System: Supervisory Control and Data Acquisition (SCADA) system ensures precise control and monitoring of the nitriding process. This system allows for real-time data collection and analysis, ensuring optimal process parameters and consistent results.
- Integrated Alarm Systems: Facility is equipped with integrated alarm systems that provide immediate alerts in case of any deviations or issues during the process, ensuring maximum safety and reliability.
- High-End Digital Flowmeters and Ammonia Cracker: To maintain precise control over gas flow rates, company utilize high-end digital flowmeters. This precision is essential for achieving the desired nitriding depth and properties. The inclusion of an ammonia cracker allows to generate the required nitrogen in the part which is crucial for achieving uniform and high-quality nitrided layers.
- Large Capacity Furnace: Company take pride in having one of the largest capacity gas nitriding furnaces in India, capable of loading up to 13 tons in a single batch. This significantly enhances productivity and allows to handle large-scale projects efficiently.



5

Gear shaping

- Gear shaping machines are vital in manufacturing high-precision gears. They use a cutting tool that reciprocates up and down while rotating in synchronization with the gear blank.
- The precision ensures high-quality gears suitable for various industries, including automotive, aerospace, and heavy machinery.
- The demand for high-quality gears is increasing with the growth of industries like electric vehicles, wind energy, and robotics. Gear shaping machines are positioned to capture a significant market share due to their ability to meet the stringent quality and precision requirements of these industries.
- The Gleason gear shaping machine is notable for being one of the largest of its kind available in India, capable of handling larger gear parts and producing larger precision gears than other machines in the market.
- Equipped with state-of-the-art CNC technology and Electronic head, machine offer advanced automation capabilities, enabling efficient, repeatable, and precise gear production with minimal operator intervention.



Engine Mounting Support Brackets



End Use

Engine Base Mounting For Cars



Engine Mounting Support Brackets



End Use

Anti Vibration Component (Damper Device)
For Cars



Transmission Mounts



End Use

Anti Vibration Component (Damper Device)
For Cars



Armature – Steering Wheel



End Use

Steering Wheels For Cars



Electrical Connectors



End Use

Instrumental Device For Non-Automobile

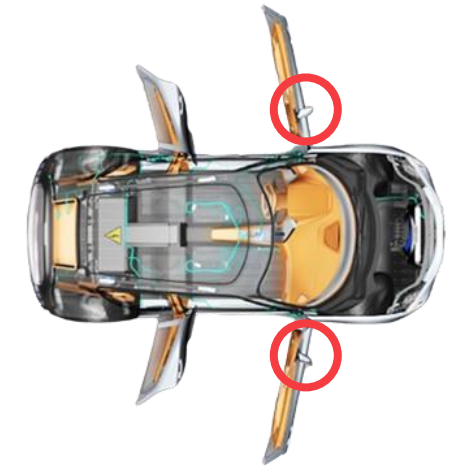


YFG Base Frame RHD / LHD



End Use

OVRM (Outside Rear View Mirror) Component

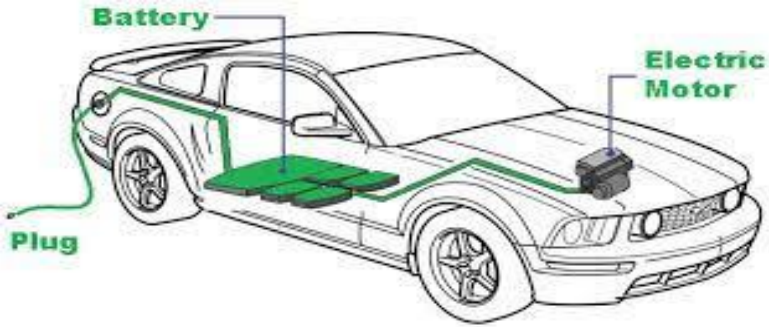


Top Cover & Housing



End Use

EV Bus Battery Box



Joint Flangs



End Use

Components For Cooling Device Car Radiator

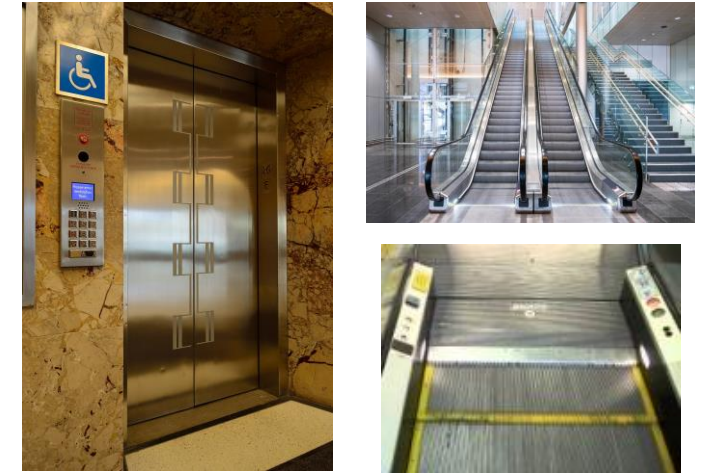


Guide Shoe

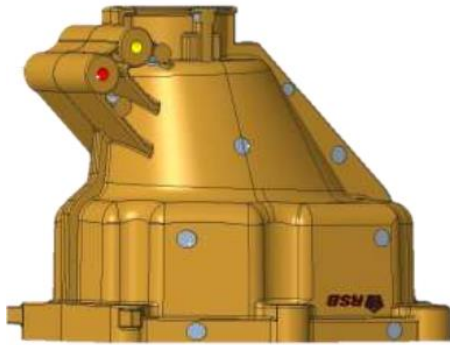


End Use

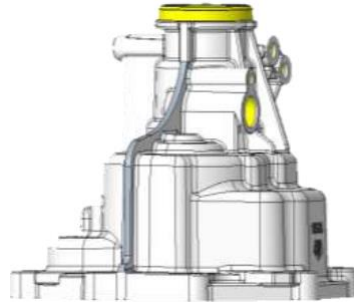
Used For Escalator & Elevator



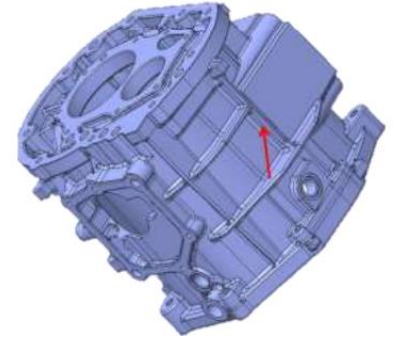
Rear Housing



Clutch Housing



Gear Box Housing

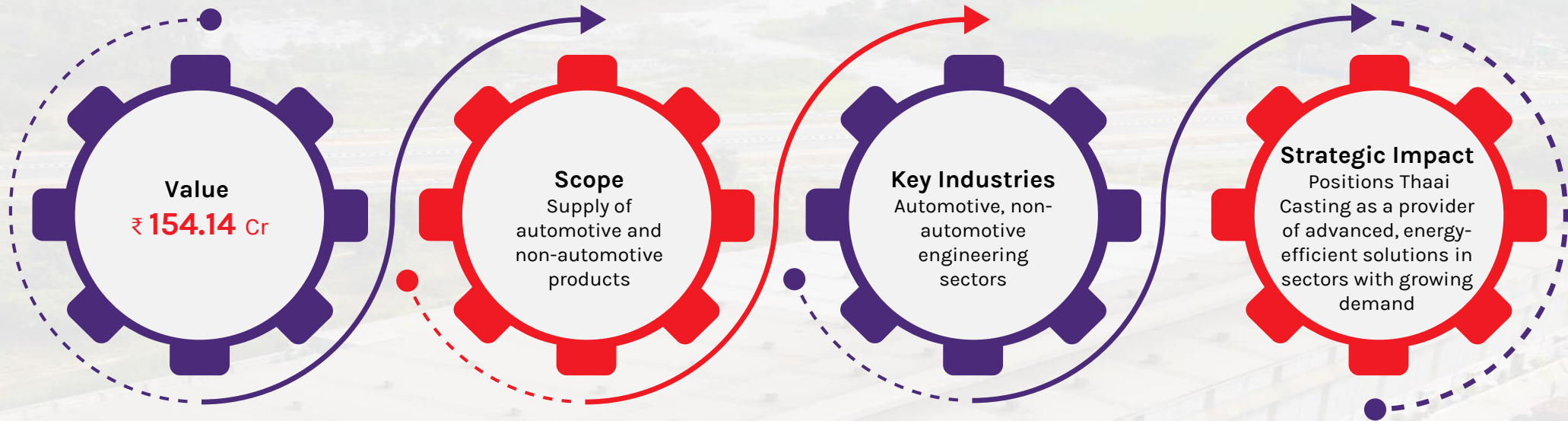


End Use

Gear Box Assembling

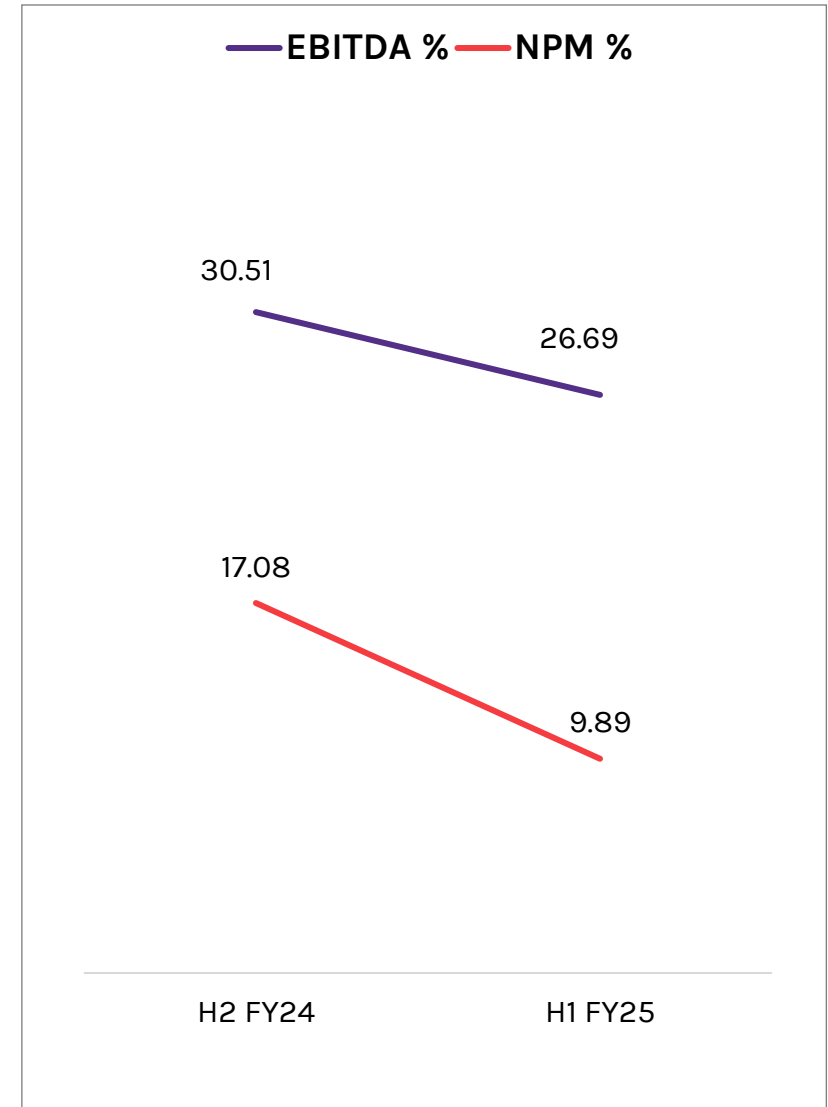
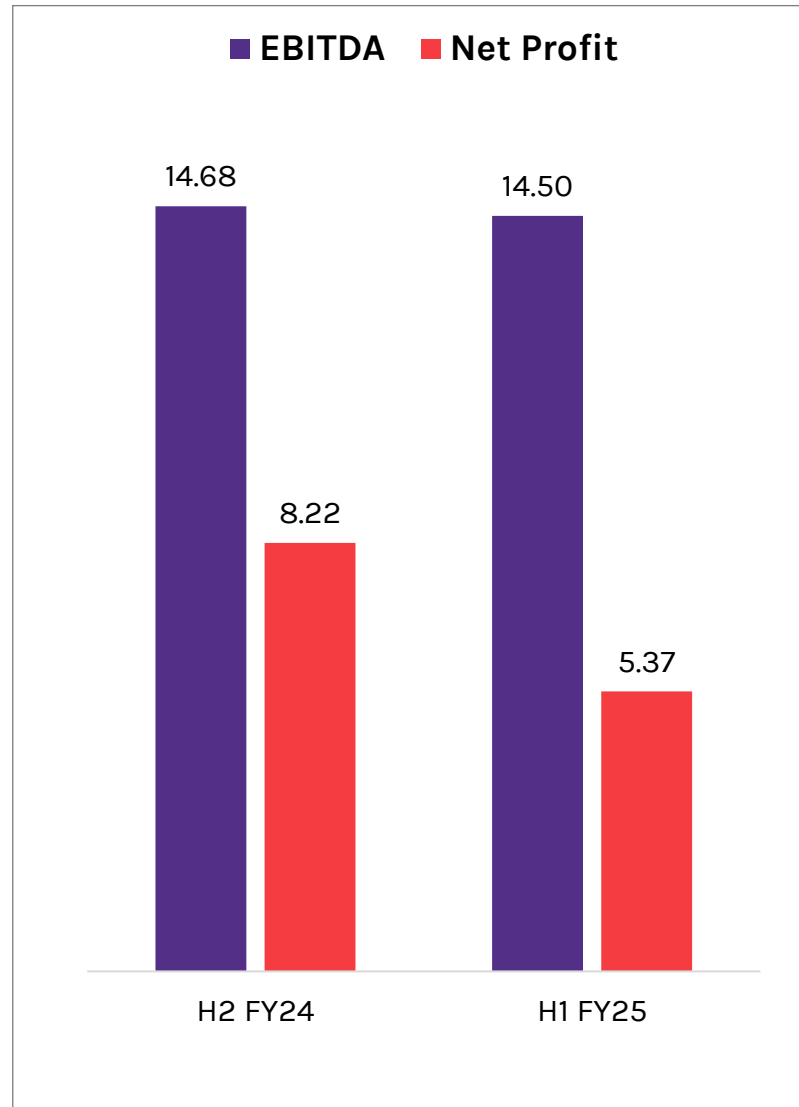
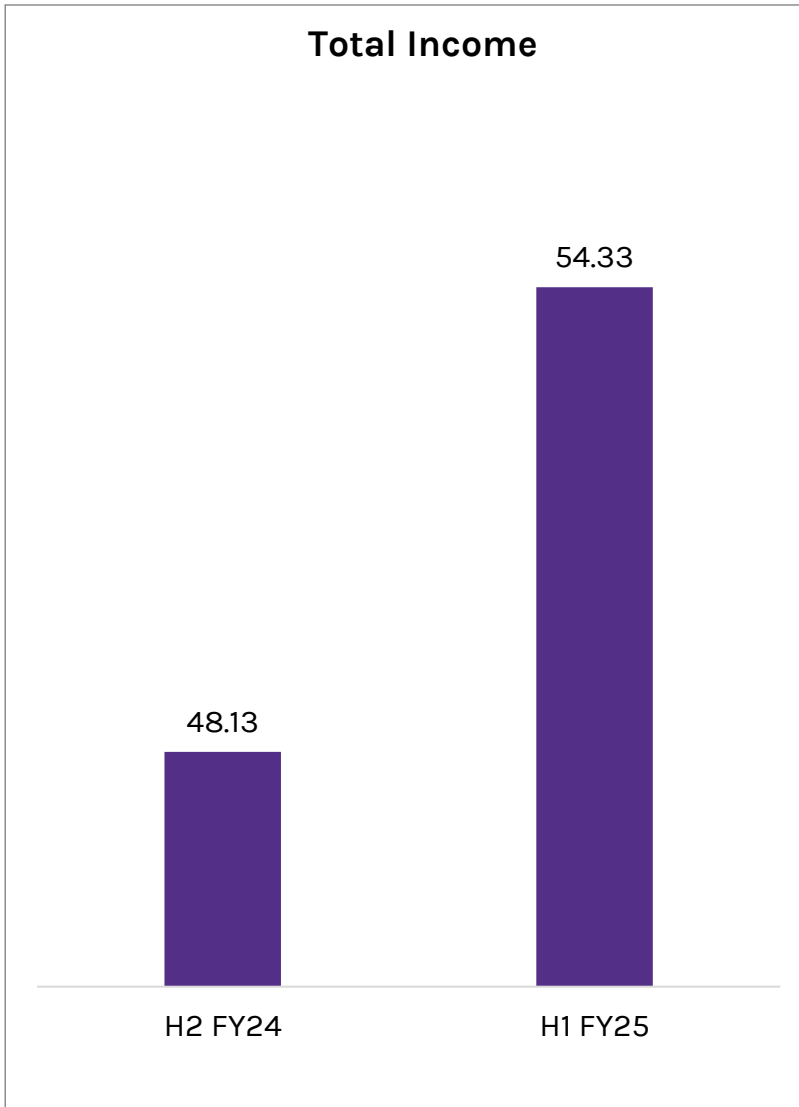


New Order Wins

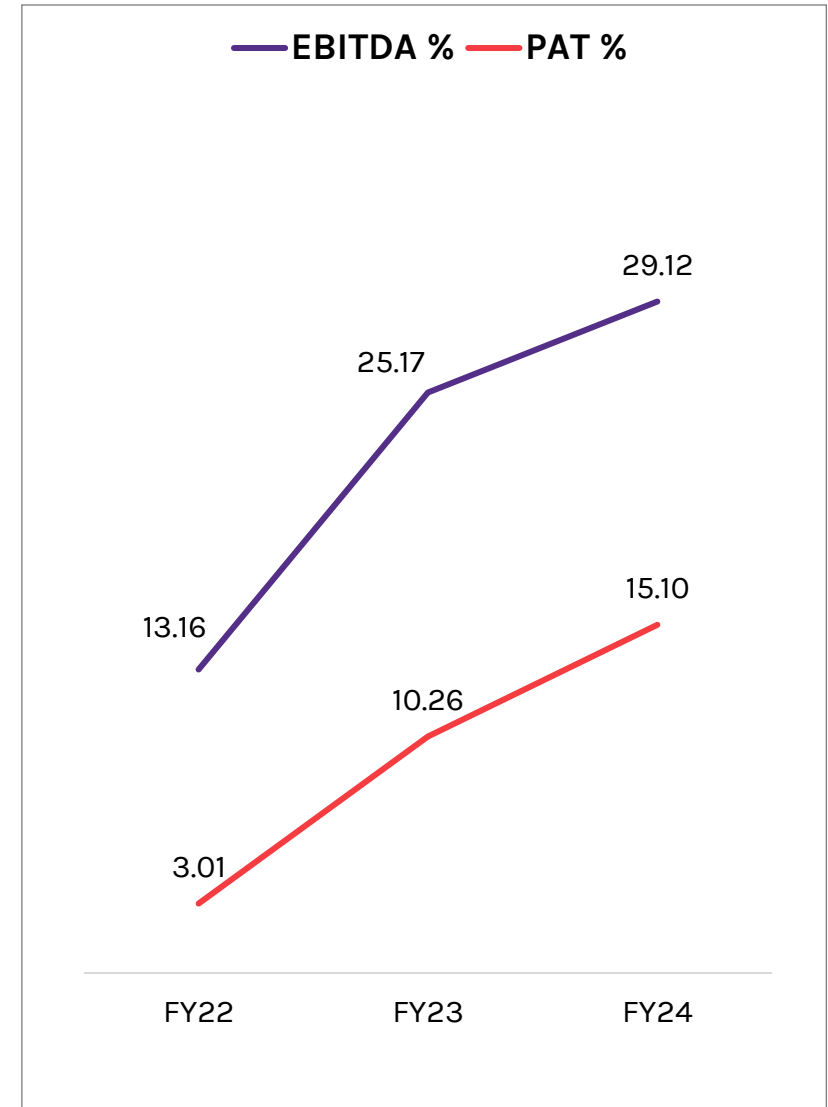
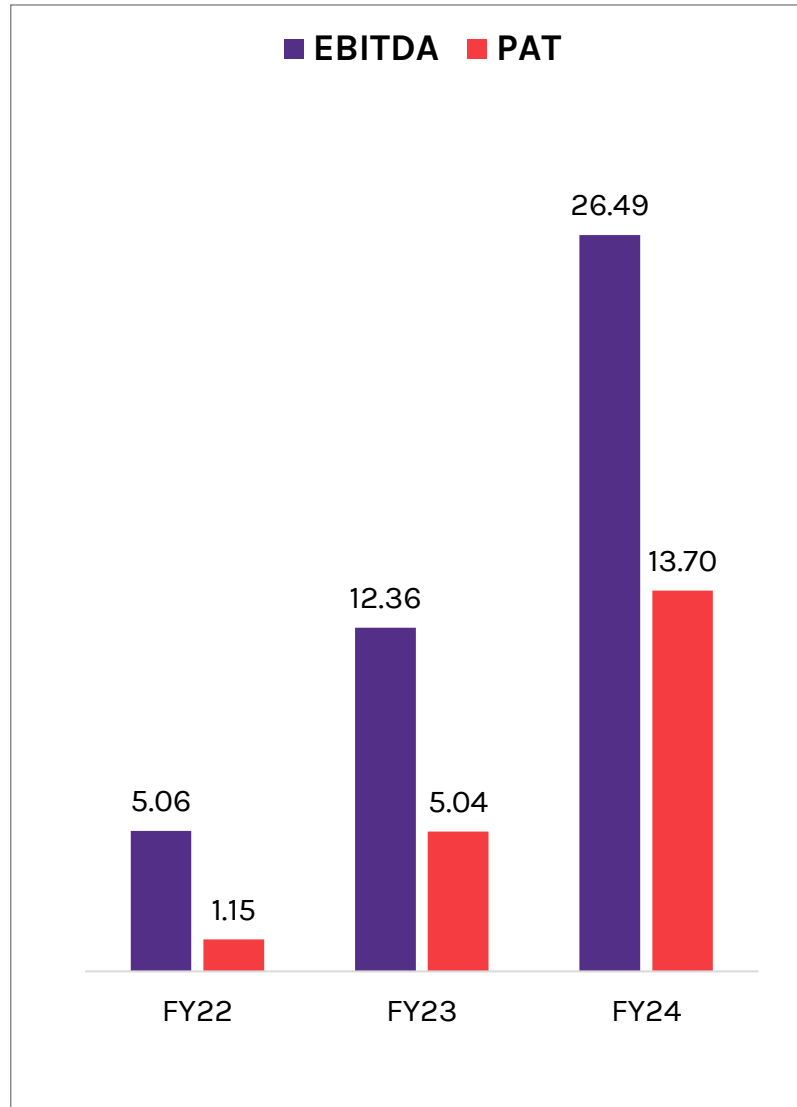
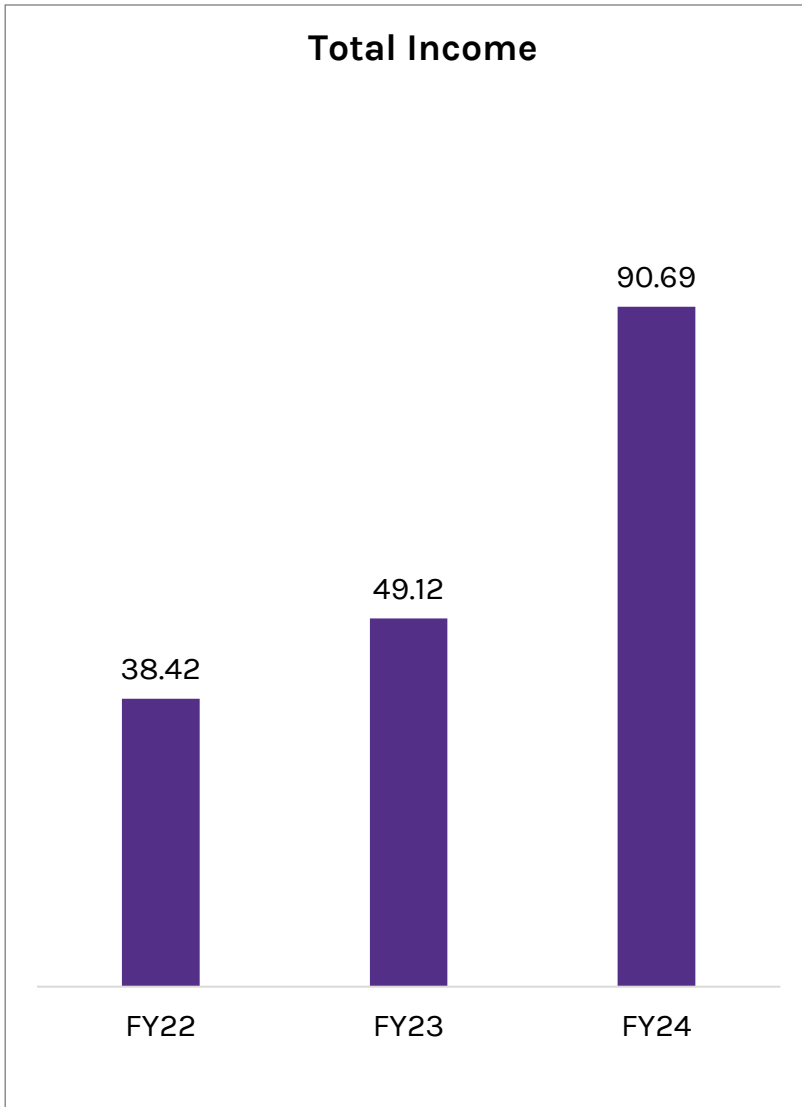


Order Book Update





All Amount In ₹ Cr & Margins In %



All Amount In ₹ Cr & Margins In %

Consolidated Profit & Loss Statement

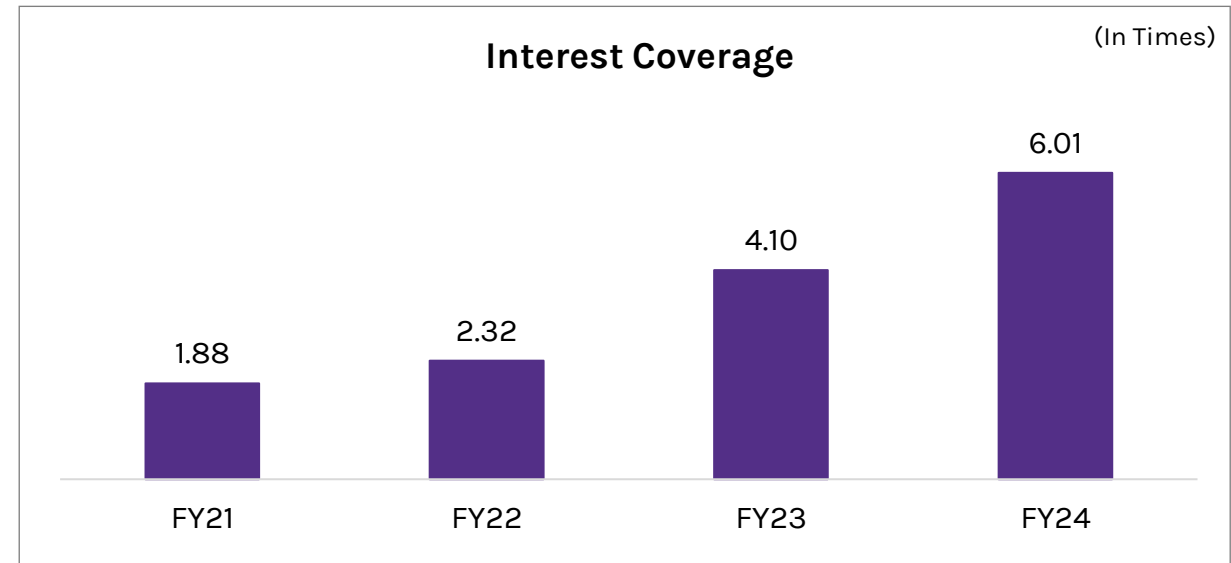
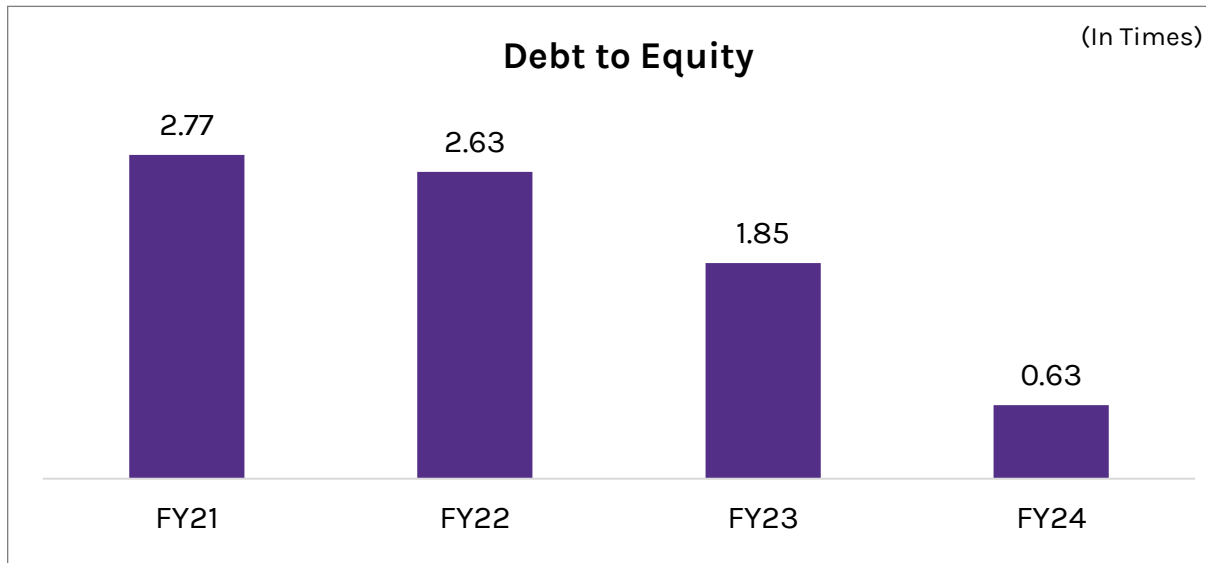
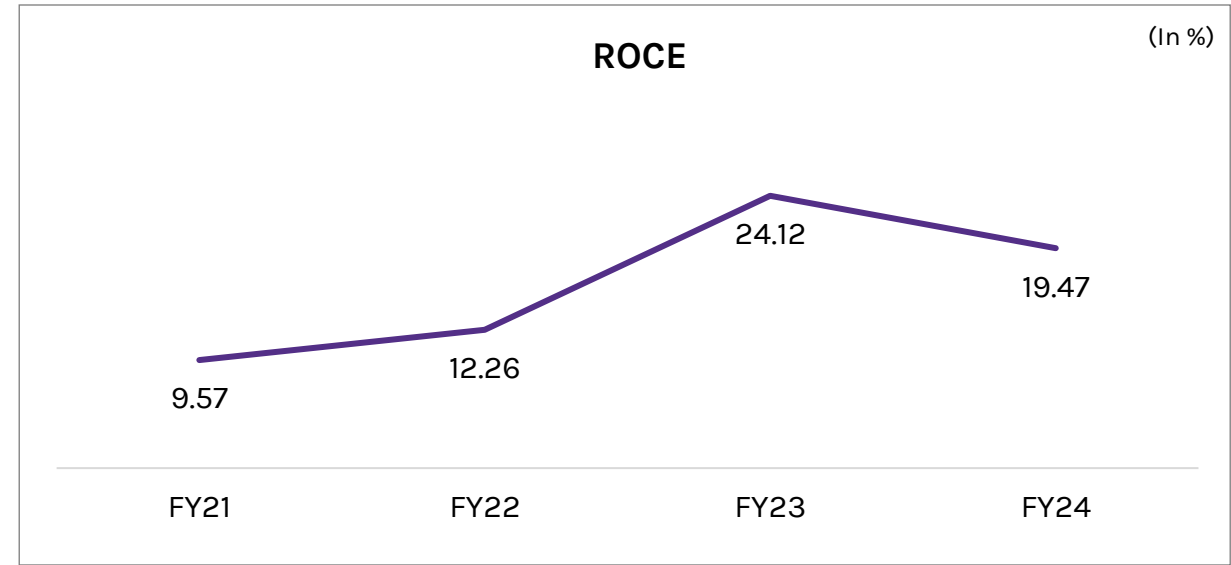
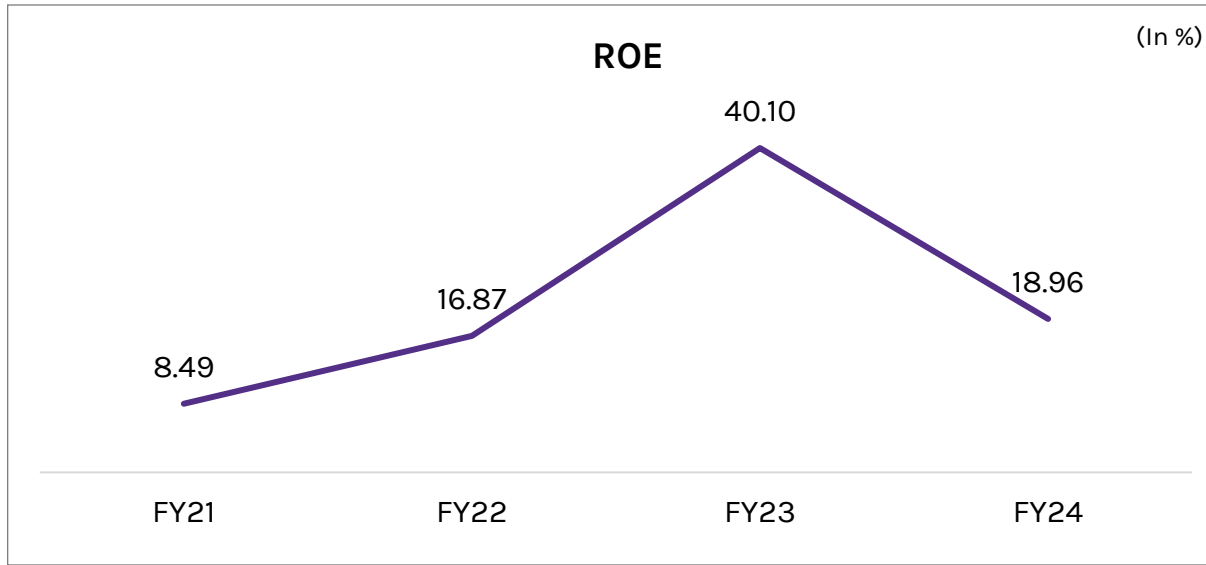
In ₹ Cr

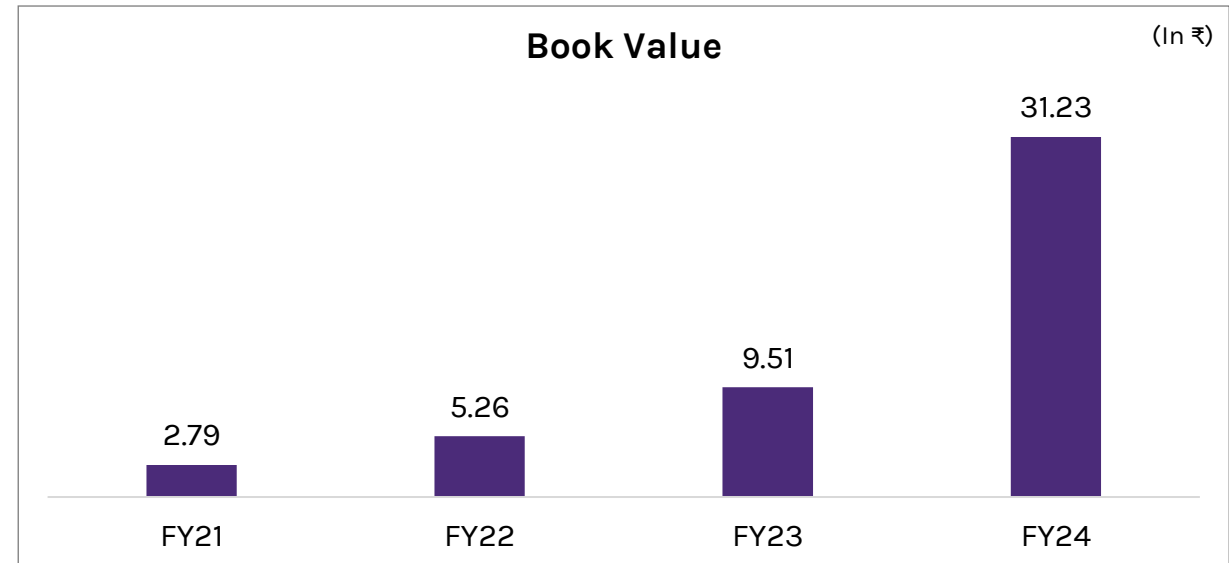
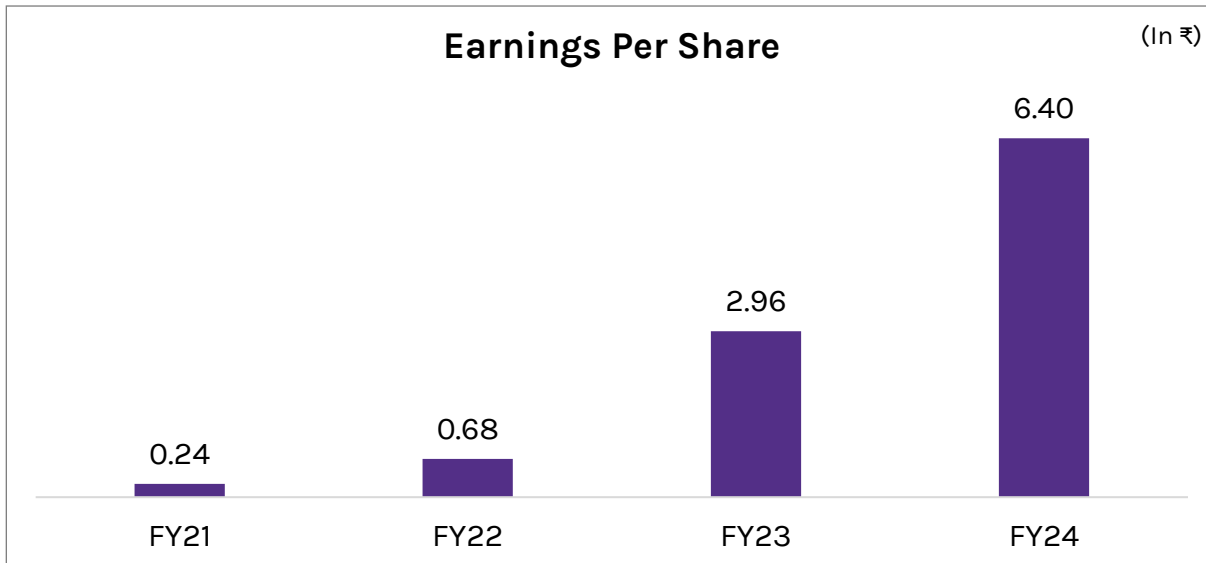
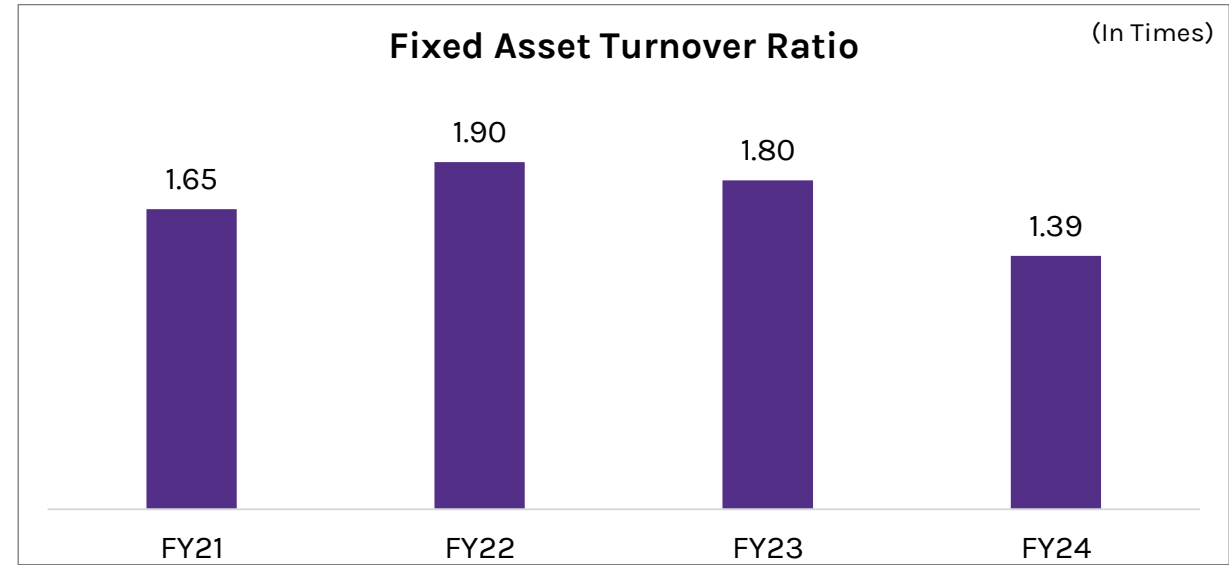
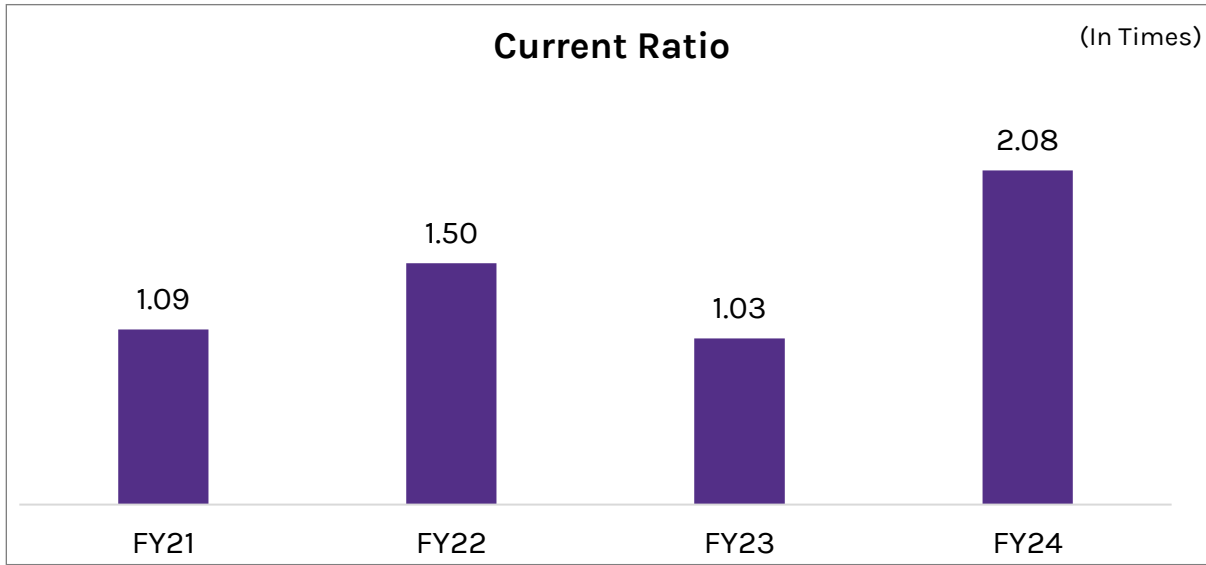
Particulars	FY24	FY23	FY22
Net Sales	90.55	48.96	38.34
Other Income	0.14	0.16	0.08
Total Income	90.69	49.12	38.42
Raw Material costs	45.52	29.96	26.48
Employee Cost	5.24	5.46	4.28
Other Expenses	13.44	1.34	2.60
Total Expenditure	64.20	36.75	33.36
EBIDTA	26.49	12.36	5.06
EBIDTA(%)	29.21%	25.17	13.16
Finance Cost	3.81	2.32	1.33
Depreciation	3.55	2.84	1.96
PBT	19.12	7.20	1.76
TAX Expense (Including Deferred Tax)	5.42	2.16	0.61
PAT	13.70	5.04	1.15
PAT (%)	15.10%	10.29	3.01

In ₹ Cr

Equities & Liabilities	FY24	FY23	FY22
Equity	23.13	16.17	8.95
Reserves	49.11	0.00	0.00
Net Worth	72.24	16.17	8.95
Non Current Liabilities			
Non Current Borrowings	28.01	18.29	18.42
Lease Liabilities	0.00	0.00	0.00
Deferred Tax Liabilities	0.95	0.26	0.00
Long Term Provision	0.38	0.14	0.10
Total Non Current Liabilities	29.34	18.68	18.51
Current Liabilities			
Short Term Borrowings	17.53	11.57	5.09
Trade Payables	11.83	5.89	4.34
Short Term Provisions	3.41	1.70	0.09
Other Current Liabilities	0.88	0.98	0.54
Total Current Liabilities	33.65	20.13	10.06
Total Liabilities	135.23	54.99	37.52

Assets	FY24	FY23	FY22
Non-Current Assets			
Fixed Assets	65.28	27.14	20.14
Other Non Current Financial Assets	0.00	3.66	0.00
Deferred Tax Assets (Net)	0.00	0.00	0.02
Other Non Current Assets	0.00	3.35	2.25
Total Non Current Assets	65.28	34.15	22.41
Current Assets			
Inventories	27.66	4.59	4.86
Trade receivables	11.91	9.34	6.95
Cash & Bank Balance	11.07	0.13	0.07
Other Current Financial Assets	0.00	6.62	3.04
Other Current Assets	19.32	0.15	0.21
Total Current Assets	69.95	20.83	15.12
Total Assets	135.23	54.99	37.52





Company has recently come with a IPO

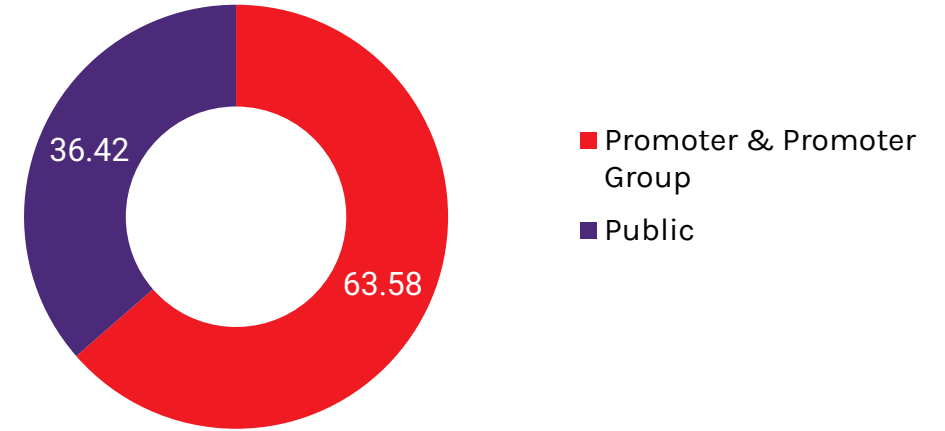
NSE | ISIN: INE0QJL01014

As on 20-01-2025

Share Price (₹)	135.25
Market Capitalization (₹ Cr)	312.82
No. of Shares Outstanding	2,31,29,600
Face Value (₹)	10
52 Week High-Low (₹)	261.65 - 128.50

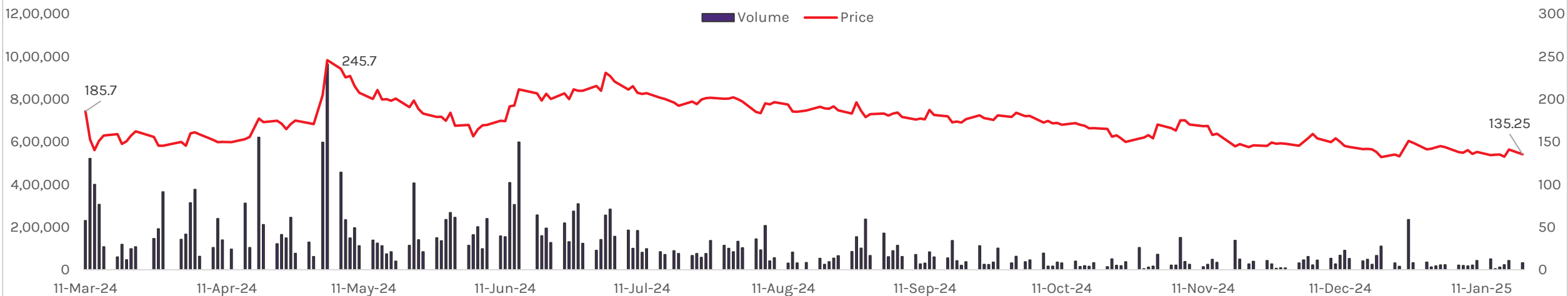
Share Holding Pattern

As on 30-09-2024



Share Performance From 20th January 2025

Source: NSE





Strong Market Position in Auto Components

Thaai Casting specializes in high-precision pressure die casting and machining for both ferrous and non-ferrous materials, catering to leading automotive OEMs.



Diverse Product Portfolio

The company manufactures a wide range of components, including engine brackets, transmission mounts, armatures, and battery enclosures for electric vehicles, addressing multiple automotive sub-segments.



Strong Client Relationships with Top OEMs

Long-standing partnerships with key automotive players ensure stable revenue streams and reinforce Thaai's reputation as a reliable supplier.



Strategic Focus on Wind Energy Components

The company's expertise extends to producing components for wind energy systems, allowing diversification into renewable energy markets.



Proven Expertise and Certifications

With over 12 years of operational experience, the company boasts ISO/IATF 16949:2016 certification, ensuring stringent quality standards critical for the automotive industry.



Advanced Manufacturing Capabilities

Investment in cutting-edge technology such as CNC machining, SCADA systems, and one of India's largest gas nitriding furnaces enhances operational efficiency and product quality.



High Demand for Precision Gears

Equipped with one of India's largest Gleason gear-shaping machines, Thaai is well-positioned to capitalize on the rising demand for high-precision gears, especially in the wind energy sectors.



High ROE and ROCE Metrics

The company reported strong financial performance in FY24, with a ROE of 18.96% and a ROCE of 19.47%, indicating profitable growth.





Thaai Casting Limited

A-20,Sipcot Industrial Park,
7th Cross Street, Pillaipakkam,
Sriperumbudur, Tamil Nadu - 602 105



Wholly Owned Subsidiary Thaai Induction & Nitriding Pvt Ltd

A-20,Sipcot Industrial Park,
7th Cross Street, Pillaipakkam,
Sriperumbudur, Tamil Nadu - 602 105

Thaai Induction and Nitriding Private Limited specializes in the heat treatment of ferrous and non-ferrous metals, including processes such as pack carburizing, core refining, nitriding, induction hardening, and direct hardening.



Simtech Cnc

Shed No. 33, Second Main Road,SIDCO
Industrial Estate, Thirumudivakkam,
Chennai - 600044.

Design and Manufacturing of Die casting Dies For- HPDC ,GDC Dies & Plastics injection moulding process for manufactures of Aluminum Components.

Disclaimer

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These risks and uncertainties include, but are not limited to, the performance of the Indian economy and of the economies of various international markets, the performance of the industry in India and world-wide, competition, the company’s ability to successfully implement its strategy, the Company’s future levels of growth expansion, technological implementation, changes and advancements, changes in revenue, income or cash flows, the Company’s market preferences and its exposure to market risks, as well as other risks.

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Thank You



Thaaai Casting Limited

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