Astral | ADD

JM FINANCIAL

Strengthening core, expanding horizons

Astral Ltd (Astral) has established itself as a leading building materials company, anchored by its CPVC leadership in pipes (~70–75% of revenue) and complemented by adjacencies businesses. The company continues to strengthen its CPVC franchise through backward integration into resin (40ktpa by 2QFY27), which should enhance supply security, support margins, and competitiveness. Beyond pipes, adhesives (22–23% of revenue) deliver healthy growth in India, while corrective measures are underway in the UK operations. Lower utilisation in bathware and intense competition in paints remain a challenge in the near term. With 18% EPS CAGR over FY25–28E and limited capex commitments, Astral is poised to generate ~INR 19bn FCF in FY25–28E (2x prior 4 years), enabling net cash to rise ~4x to INR 21bn by FY28E. Accordingly, it provides scope for incremental growth investments or higher shareholder returns. We initiate coverage with an ADD rating and a TP of INR 1,600 (55x Sep'27E EPS, ~10% below the 5-year average owing to higher competitive intensity). Key risks: Rising CPVC competition and execution challenges in resin manufacturing.

- Strengthening position in CPVC segment with backward integration: Astral has consistently stayed ahead in CPVC by proactively addressing supply risks and protecting margins. After pioneering CPVC pipes in India via its Lubrizol JV, it shifted to in-house compounding in FY16, lifting pipe segment margins from ~12-13% to a sustainable 16–18%. With competition rising, the company is now backward integrating into CPVC resin (40ktpa capacity, targeted for 2QFY27) at a capex of INR 1.5bn, which should secure supply, lower working capital, and create margin headroom.
- One-stop building materials play: Astral has evolved into a diversified building materials platform across pipes, bathware & sanitaryware, adhesives, and paints. Plumbing remains the core growth driver (~70-75% of revenue), underpinned by CPVC leadership, while bathware is targeted to scale to INR 5bn in revenue in the medium term. Adhesives (22-23% of revenue) continue to deliver healthy growth in India (with ~17% margin), though UK operations remain a drag, with corrective steps underway. In paints (~3% of revenue), competitive intensity weighs on margins. Leveraging strong brand equity and distribution, Astral is expanding its growth canvas through targeted adjacencies.
- FCF generation to continue; net cash position to strengthen: With minimal capex planned over the next 2–3 years, Astral is poised to generate strong FCF of ~INR 19bn in FY25–28E—nearly 2x the prior 4 years. Having already invested ~INR 19bn in FY21–25 and guiding only ~INR 3bn in FY26, net cash is set to rise ~4x to ~INR 21bn by FY28E. Return ratios should expand 250–300bps to ~17% by FY28E. The company has gradually increased dividend payout (~20% in FY25 vs. 10% in FY20). Improving liquidity position provides scope for incremental growth investments or higher shareholder returns.
- Initiate with ADD and a target price of INR 1,600: We value Astral at 55x Sep'27E EPS (~10% below 5-year average) and initiate with ADD with a TP of INR 1,600, supported by 13%/18% revenue/ PAT CAGR over FY25-28E.

Dharmesh Shah dharmesh.shah@jmfl.com | Tel: (91 22) 66303541 Shouvik Chakraborty

shouvik.chakraborty@jmfl.com | Tel: (91 22) 66301692

Recommendation and Price Target							
Current Reco.	ADD						
Previous Reco.	NA						
Current Price Target (12M)	1,600						
Upside/(Downside)	13.8%						
Previous Price Target	NA						
Change	NA						

Key Data – ASTRA IN	
Current Market Price	INR1,406
Market cap (bn)	INR377.7/US\$4.3
Free Float	46%
Shares in issue (mn)	268.6
Diluted share (mn)	268.6
3-mon avg daily val (mn)	INR1,198.2/US\$13.5
52-week range	2,040/1,232
Sensex/Nifty	81,160/24,891
INR/US\$	88.7

Price Performar	nce		
%	1M	6M	12M
Absolute	-0.6	9.1	-30.6
Relative*	-1.1	3.9	-26.6

* To the BSE Sensex

Financial Summary					(INR mn)
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
Net Sales	56,414	58,324	62,386	72,620	83,285
Sales Growth (%)	9.4	3.4	7.0	16.4	14.7
EBITDA	9,183	9,459	10,147	12,506	14,823
EBITDA Margin (%)	16.3	16.2	16.3	17.2	17.8
Adjusted Net Profit	5,461	5,238	5,485	7,036	8,592
Diluted EPS (INR)	20.3	19.5	20.4	26.2	32.0
Diluted EPS Growth (%)	22.6	-4.1	4.7	28.3	22.1
ROIC (%)	21.0	17.3	16.3	20.3	24.6
ROE (%)	18.5	15.4	14.3	16.1	17.1
P/E (x)	69.2	72.1	68.9	53.7	44.0
P/B (x)	11.8	10.4	9.3	8.1	7.0
EV/EBITDA (x)	40.7	39.6	36.6	29.3	24.2
Dividend Yield (%)	0.3	0.3	0.3	0.3	0.3

JM Financial Research is also available on: Bloomberg - JMFR <GO>, FactSet, LSEG and S&P Capital IQ.

Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification.

Source: Company data, JM Financial. Note: Valuations as of 25/Sep/2025

25 September 2025 Astral

Story in Charts



Source: Company, JM Financial

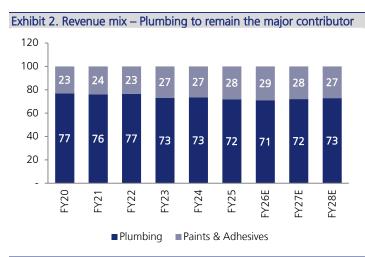
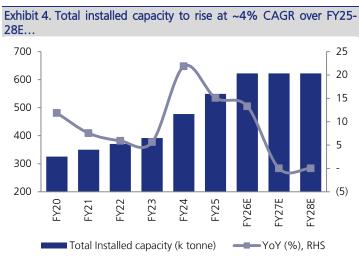


Exhibit 3. Plumbing EBITDA/kg to grow at ~3% CAGR over FY25-28E 45 50 40 40 30 35 20 10 30 25 (10)20 (20)FY28E FY22 FY25 FY26E FY27E FY20 FY21 ■ Plumbing EBITDA/kg YoY (%), RHS

Source: Company, JM Financial

Source: Company, JM Financial



Source: Company, JM Financial

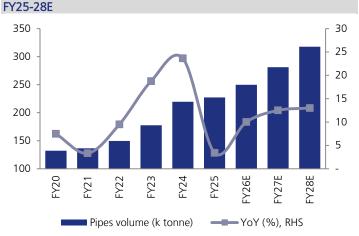


Exhibit 5. ...while pipes volume is likely to grow at 12% CAGR over

Exhibit 6. FCF generation to remain strong with limited capex 14,000 12,000 10,000 (INR mn) 8,000 6,000 4,000 2,000 FY24 FY25 FY27E FY26E FY28E FY21 **-**FCF OCF Capex

Exhibit 7. Net cash position to improve sharply by FY28E



Source: Company, JM Financial

Source: Company, JM Financial

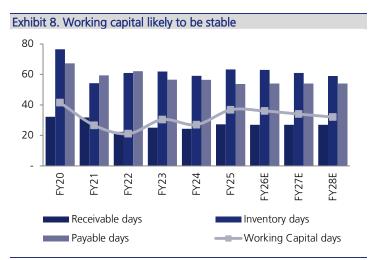
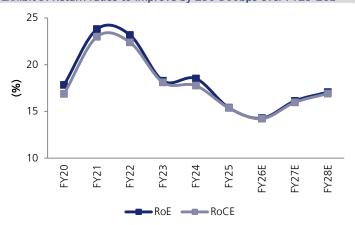


Exhibit 9. Return ratios to improve by 250-300bps over FY25-28E



Source: Company, JM Financial

Source: Company, JM Financial



Source: Bloomberg, JM Financial

Exhibit 11. Initiate with ADD with TP of INR 1,6	00 on 55x Sep'27 P/E
P/E Method	
Sep'27E EPS (INR)	29
P/E multiple (x)	55
Target Price (INR)	1,600
CMP (INR)	1,406
Upside (%)	13.8
Source: JM Financial	

Investment thesis

Strengthening position in CPVC segment with backward integration: Astral has consistently stayed ahead in CPVC by proactively addressing supply risks and protecting margins. After pioneering CPVC pipes in India via its Lubrizol JV, it shifted to in-house compounding in FY16, lifting pipe segment margins from ~12-13% to a sustainable 16–18%. With competition rising, the company is now backward integrating into CPVC resin (40ktpa capacity, targeted for 2QFY27) at a capex of INR 1.5bn, which should secure supply, lower working capital, and create margin headroom.

- One-stop building materials play: Astral has evolved into a diversified building materials platform across pipes, bathware & sanitaryware, adhesives, and paints. Plumbing remains the core growth driver (~70-75% of revenue), underpinned by CPVC leadership, while bathware is targeted to scale to INR 5bn in revenue in the medium term. Adhesives (22-23% of revenue) continue to deliver healthy growth in India (with ~17% margin), though UK operations remain a drag, with corrective steps underway. In paints (~3% of revenue), competitive intensity weighs on margins. Leveraging strong brand equity and distribution, Astral is expanding its growth canvas through targeted adjacencies.
- FCF generation to continue; net cash position to strengthen: With minimal capex planned over the next 2–3 years, Astral is poised to generate strong FCF of ~INR 19bn in FY25–28E—nearly 2x the prior 4 years. Having already invested ~INR 19bn in FY21–25 and guiding only ~INR 3bn in FY26, net cash is set to rise ~4x to ~INR 21bn by FY28E. Return ratios should expand 250–300bps to ~17% by FY28E. The company has gradually increased dividend payout (~20% in FY25 vs. 10% in FY20). Improving liquidity position provides scope for incremental growth investments or higher shareholder returns.

Key risks:

- Rising competitive intensity in CPVC pipes: Heightened competition could drive pricing pressure, margin compression, or market share loss. However, Astral's backward integration into CPVC compounding and its established pricing premium provide some cushion, in our view.
- Execution risk in CPVC resin manufacturing: Any delay in commissioning the upcoming CPVC resin facility could result in cost overruns and defer expected integration benefits.
- Slower ramp-up in adjacencies: Incremental capital allocation towards non-pipes business (especially paints and sanitaryware) segments that are currently margin/ RoCE dilutive poses a risk if scale-up is slower than anticipated.
- Initiate with ADD and a target price of INR 1,600: We value Astral at 55x Sep'27E EPS
 (~10% below 5-year average) and initiate with ADD with a TP of INR 1,600, supported by
 13%/ 18% revenue/ PAT CAGR over FY25-28E

Exhibit 12. Initiate with ADD with TP of INR 1	1,600 on 55x Sep'27 P/E
P/E Method	
Sep'27E EPS (INR)	29
P/E multiple (x)	55
Target Price (INR)	1,600
CMP (INR)	1,406
Upside (%)	13.8
Source: JM Financial	



Source: Bloomberg, JM Financial

Exhibit 14. Key assumption	13									CAG	iR (%)
Key Assumptions	FY20	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E	FY28E	FY20-25	FY25-28E
Operational Metrics											
Total											
Capacity (kt)	326	350	371	392	477	549	622	622	622	11.0	4.2
Realisation (INR/kg)	195	233	294	290	257	257	250	258	262	5.7	0.7
EBITDA/kg (INR/kg)	32	47	50	46	42	42	41	45	47	5.3	3.9
Plumbing											
Capacity (kt)	239	258	275	290	334	382	455	455	455	9.9	6.0
Volume (kt)	132	137	150	178	220	227	250	281	318	11.4	11.8
Utilisation (%)	55	53	54	61	66	59	55	62	70		
Realisation (INR/kg)	150	177	225	212	189	185	177	186	191	4.3	1.1
EBITDA/kg (INR/kg)	27	38	42	36	34	35	34	37	39	5.1	3.4
P&L (INR bn)											
Revenue	26	32	44	52	56	58	62	73	83	17.7	12.6
EBITDA	4	6	8	8	9	9	10	13	15	17.4	16.2
Adj. PAT	2	4	5	4	5	5	5	7	9	16.1	17.9
Balance Sheet (INR bn)											
Equity	15	19	23	27	32	36	41	47	54		
Net Cash	0	4	6	6	5	5	7	13	21		
Cash Flow (INR bn)											
OCF before NWC change	2	2	10	4	7	8	8	10	12		
Change in NWC	0	1	(1)	(1)	1	(2)	(0)	(1)	(1)		
Capex	(2)	(2)	(3)	(3)	(6)	(5)	(4)	(3)	(3)		
FCF	0	2	6	0	2	1	4	7	9		
Return Ratios (%)											
RoE	17.8	23.8	22.9	17.6	18.5	15.4	14.3	16.1	17.1		
RoCE	16.9	23.0	22.4	18.1	17.8	15.4	14.2	16.0	16.9		
RoIC	17.3	25.9	27.7	22.5	20.6	17.1	16.0	19.9	24.1		
Valuations (x)											
P/E							68.9	53.7	44.0		
EV/EBITDA							36.5	29.2	24.1		

Source: JM Financial

Strengthening position in CPVC segment with backward integration

Astral has consistently demonstrated its ability to stay ahead in CPVC by proactively addressing supply risks and protecting profitability. Having pioneered CPVC pipes in India through its Lubrizol JV, the company de-risked operations by shifting to in-house compounding in FY16, which lifted pipe segment margins from ~12% to a sustainable 16–18%. With competition intensifying in the segment, Astral is now undertaking backward integration into CPVC resin (40ktpa capacity initially, commercialisation by 2QFY27), aimed at securing supply, reducing working capital, and creating margin headroom. We believe this strategic move further strengthens Astral's supply chain control, cost competitiveness, and market leadership in CPVC pipes.

From dependency to self-reliance in CPVC

Competition in the CPVC segment has intensified with global suppliers partnering multiple pipe manufacturers and domestic resin capacity currently under development. In response, Astral has, over the past 2–3 years, been working on in-house manufacturing of CPVC resin — a critical raw material for its core pipes business. This move is aimed at securing supply, enhancing cost control, and protecting margins amid rising competitive intensity.

In Aug'25, Astral announced a plan to manufacture CPVC resin through Nexelon Chem Pvt Ltd, where it will hold 80% equity stake alongside a domestic technical partner (20% stake). The project entails 40ktpa capacity initially with an investment outlay of INR 1.5bn, of which Astral will contribute INR 1.2bn. Commercial production is targeted for 2QFY27, with full benefits expected from FY28 onwards. Importantly, the initial capacity will be used entirely for captive consumption, ensuring flexibility compounding grades and reducing raw material inventory (currently ~90 days, equivalent to INR 1.2bn–1.3bn).

Besides supply assurance, backward integration offers meaningful financial levers. With existing CPVC resin manufacturers generating 20–25% EBITDA margin, Astral stands to create margin headroom to offset any deflationary pressure from higher competition. Additionally, this initiative should unlock working capital efficiency and improve delivery timelines, thereby aiding market share gains.

Overall, we view Astral's backward integration into CPVC resin as a structurally positive step that strengthens supply chain security, enhances cost competitiveness, and underpins a sustained margin improvement trajectory.

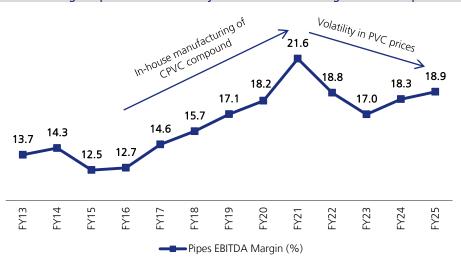
Proven track record - execution still a monitorable

Astral has been the pioneer of CPVC pipes in India, with its early-2000s joint venture with Lubrizol providing access to FlowGuard and BlazeMaster plumbing portfolios as well as Lubrizol's CPVC compound. While this partnership ensured consistent product quality, Astral's complete reliance on Lubrizol for compound procurement created vendor dependency and exposed it to potential supply disruptions and input cost pressure.

To mitigate these risks, Astral terminated its agreement with Lubrizol in FY16 and transitioned to in-house CPVC compounding. This strategic shift enhanced control over production processes, secured supply chain stability, and materially improved cost efficiency. As a result, Astral's pipes segment EBITDA margin expanded from ~12-13% historically to a sustainable 16–18%, while reinforcing its volume leadership.

Notably, Lubrizol's subsequent alliances with other players have failed to replicate Astral's success, underscoring its first-mover advantage, superior execution, and entrenched market position in CPVC pipes.

Exhibit 15. Margin expansion was driven by in-house manufacturing of CPVC compound



Source: Company, JM Financial

Exhibit 16. Proven execution to introduce a variety of products/innovations								
Year	Product / Innovations	Significance						
1998	First CPVC piping system in India	Pioneered hot & cold water CPVC pipes in India.						
2004	Lead-free uPVC piping system (for cold potable water)	First in India; safer water by avoiding lead contamination						
2007	NSF approval for CPVC piping system	International quality certification; enhanced credibility						
2012	Lead-free uPVC Column Pipes	For submersible pumps; ensured purity in water supply						
2015	Astral Silencio (low-noise drainage piping system)	Noise-reducing drainage solution for modern plumbing						
2016	CPVC PRO (with Astral's own CPVC compound)	Better quality control, durability, and performance						
2020	Anti-viral water tanks with copper shield	Innovation for safer, hygienic water storage						
2021	Water Tanks, Underground SWR, Industrial Ball Valves	Expansion into multiple new piping and valve categories						
2022-2024	Astral Paints, PTMT range, Bathware & Sanitaryware expansion	Diversification beyond pipes into paints, bathware, sanitaryware; widened footprint.						

One-stop building materials play

Astral has evolved into a diversified building materials platform spanning pipes, bathware and sanitaryware, adhesives & sealants, and paints. Its plumbing business remains the core growth driver, backed by CPVC leadership and rising penetration. The first goal is to achieve revenue of INR 5bn in the bathware and sanitaryware segment in the medium term. Adhesives continue to perform well in India (14% growth, ~ 17% margins in FY25), though UK operations (~5–6% of revenue) remain a drag; corrective steps and new leadership aim to restore operations. In paints, intense competition will keep pressurising margins. With targeted adjacencies, Astral is expanding its growth canvas leveraging its brand equity and distribution strength.

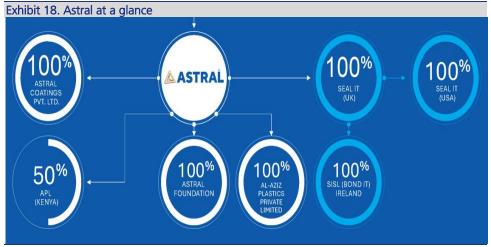
Diversification into adjacencies expands growth canvas

Astral pioneered CPVC piping systems in India, being the first to secure a licence in 1998 and subsequently introducing CPVC fittings in 2001 — moves that entrenched its brand as synonymous with CPVC. Over the years, the company has strategically diversified beyond its core pipes business to expand its addressable market and today operates across five key segments: pipes, water tanks, adhesives & sealants, bathware, and paints.

The company has adopted a dual approach of acquisitions and internal development to build this portfolio. In FY14, Astral strengthened its adhesives business through the acquisitions of Seal IT (UK) and Resinova Chemie (India), broadening its product range and gaining access to international markets. In Apr'22, it entered the paints segment with the acquisition of Gem Paints, followed by the launch of Astral Paints in 2024. The company has also expanded into water tanks and bathware, further diversifying its offerings within building materials. Most recently, Astral acquired Al-Aziz Plastics Pvt Ltd, a manufacturer of electrofusion fittings for water, gas, and fuel applications — a niche value-added category where Astral previously lacked presence.

Through this systematic expansion, Astral has evolved from a piping specialist into a diversified building materials platform, positioning it to capture growth opportunities across multiple adjacencies.

Exhibit 17.	Exhibit 17. Segment diversification through key M&As								
Year	Segment	Acquired company	Cost (INR mn)	Description					
2014-25	Sealants, Adhesives	Seal IT UK	968	2014: Acquired 80% equity stake for INR 440mn 2022: Acquired 15% stake for INR 480mn 2025: Acquired remaining 5% stake for INR 47.5mn					
2014	Adhesives	Resinova Chemie	2,870	Acquired 76% equity stake for INR 2,128mn in FY15 and remaining 24% for INR 700mn in FY16					
2016	Silicon tapes	Rowe Industries, US	220	Seal IT UK (100% subsidiary) acquired Silicon tape business of Rowe Industries, US for USD 3.5mn					
2018	Pipes	Rex Polyextrusion	1,475	Acquired for USD 21.4mn; 51% stake via cash (INR 752mn) with the balance through share-swap deal					
2020	Water tanks	Shree Prabhu Petrochemicals	510	Acquisition of SPPL's brand 'SARITA', marking company's big-bang entry into plastic storage water tanks					
2022-25	Paints	Gem Paints	3,523	2022: Acquired 51% stake in Gem Paints for INR 1.94bn 2023: Completed acquisition up to 80% stake 2025: Acquired remaining 20% stake for INR 750mn					
2025	Pipes	Al-Aziz	330	Acquired Al-Aziz with cash consideration of INR 330mn expanding its product range, particularly into polyethylene and polypropylene products					
2025	CPVC resin	Nexelon Chem	1,200	Acquired 80% equity stake in Nexelon Chem having capacity of 40kt for INR 1.2bn, marking its entry into CPVC resin manufacturing					



Source: Company, JM Financial

 Exhibit 19. Revenue mix (%) – Diversification into other adjacencies

 23
 24
 23
 27
 27
 28

 77
 76
 77
 73
 73
 72

 00
 12
 22
 22
 22
 22

 23
 24
 23
 27
 27
 28

 77
 73
 73
 72

■ Plumbing ■ Adhesives & Paints

Exhibit 20. Astral operating in nine high-growth categories

Pipes and Fittings

Water Tanks

Adhesives and Sealants

Construction Chemicals

Paints

Specialized Valves

Specialized Valves

Astral operates a robust manufacturing platform comprising 26 facilities across three countries, including 10 plants dedicated to pipes, 7 for water tanks, 1 for faucets, 5 for adhesives, and 3 for paints. The company's total installed capacity stands at ~549kt, reflecting the largest addressable market among its peers.

Exhibit 21. Astral's diversified manufacturing facilities COMPANY OVERVIEW Manufacturing 5,076 M.T. **Facilities** 30,998 M.T. 54,917 M.T. 28,086 M.T. 10,788 79,956 M.T. 70,622 M.T. 32,873 M.T. 1,056 M.T. 36,686 M.T. 20,880 M.T. 35,400 M.T. 11,687 M.T. 12,447 M.T. 40,244 M.T. 6,837 M.T. 53,857 M.T. В 16,716 M.T.

Source: Company, JM Financial

Plumbing business - Pipes & fittings, sanitaryware and bathware

Astral pioneered CPVC piping systems in India, becoming the first company to secure a licence in 1998 and subsequently launching CPVC fittings in 2001. This early-mover advantage has firmly established Astral as the reference brand for CPVC in the domestic market. Over the past decade, CPVC adoption in India has grown at nearly ~2x the pace of PVC, enabling Astral to not only reinforce its leadership in CPVC but also expand its presence in the broader plastic pipes segment. Concurrently, the company has been widening its plumbing portfolio by foraying into adjacent categories, thereby strengthening its competitive positioning. According to the company, the plastic pipes industry in India crossed INR 500bn in size in FY25.

Pipes & fittings – CPVC leadership and brand strength

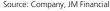
The gains for Astral have been aided by robust demand for its CPVC pipes – a fastergrowing plastic pipes category, strong distribution reach, and geographical diversification and product portfolio expansion. Effective advertising has also encouraged conversion of pipes from a commodity into a brand.

Commentary of management in 10FY26 concall

We are confident of a double-digit growth this year as per our initial guidance.

> 3-Laver Composite Piping System for Hot And Cold Water Plumbing





11)

Exhibit 23. New offerings: Specialised fittings, pro and multi pex ASTRAL CHANNEL PRO

with a full range

Astral operates 11 manufacturing facilities across India, supported by a strong nationwide depot network that ensures broad distribution reach. The company is expanding its capacity by 60kt in Kanpur, which is to be fully operational in 4QFY26. It consistently outperformed the industry on volume growth up to FY22, translating into steady market share gains over time. However, its performance over the past 2–3 years was impacted by i) limited presence in HDPE pipes, which has seen strong traction under the JJM, and ii) the management's deliberate strategy of prioritising margins over volume, even as peers adopted more aggressive pricing to capture share.

Exhibit 24. Decentralising manufacturing and distribution leads to significant increase in geographical reach



Source: Company, JM Financial

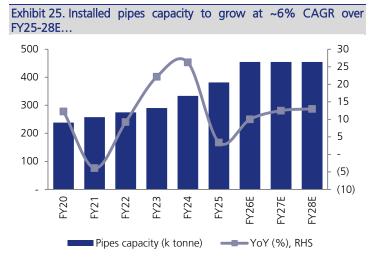
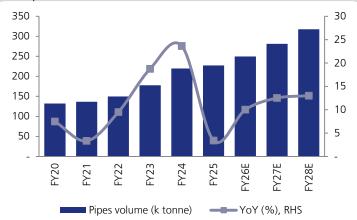
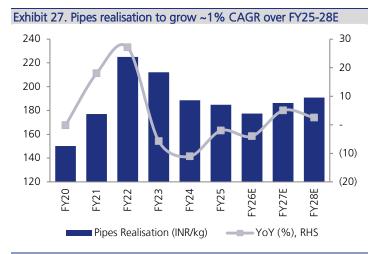


Exhibit 26. ...while pipes volume likely to rise at double rate over the same period



Source: Company, JM Financial

Astral's product mix remains skewed toward higher-value categories, with minimal exposure to low-realisation/ margin agri pipes. This, combined with its superior product quality and strong brand equity has enabled the company to command a pricing premium over peers. Reinforcing its brand-led strategy, Astral has consistently scaled its absolute advertising spend, maintaining it at 3–4% of revenue—above industry norms. While this entails higher upfront cost, it has translated into strong brand visibility and recall, supporting sustained premium positioning. Notably, despite elevated ad spends, Astral has consistently delivered industry-leading margins. Further, the company's ongoing expansion of its distribution footprint highlights its deepening penetration across India.







Source: Company, JM Financial

Source: Company, JM Financial

Sanitaryware and Bathware - first goal is to achieve INR 5bn in revenue in coming years

Astral's most adjacent diversification has been into the bathware and sanitaryware segment, a market supported by long-term tailwinds including rapid urbanisation, infrastructure upgrades, shifting consumer preferences, and rising emphasis on hygiene and water efficiency. Over the medium term, the segment is expected to grow at a CAGR of ~6–8%, aided by housing demand and premiumization. In this segment, Astral is pursuing an institutional-first strategy, focusing on projects to build initial scale and brand visibility, with plans to subsequently deepen penetration into retail. The segment reported >25% revenue growth in 1QFY26, and the management expects to sustain a similar run rate in the near term. Astral is targeting revenue of INR 5bn as its first goal in the next few years (vs. INR 1.2bn in FY25).

Commentary of management in 1QFY26 concall

We achieved 27% growth in bathware in quarter one and we'll try to maintain a similar growth momentum in the coming quarters as well. We are launching some very good and high-quality products in our bathware business. They will not only aid in growth, but also in the terms of brand premiumisation.

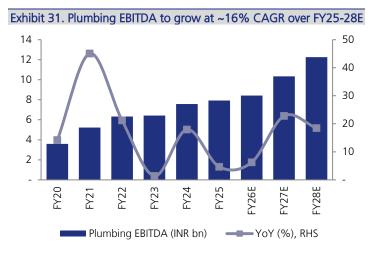
We have to look at the Indian market, because in Indian market, there are hardly a handful of companies that have more than INR 500 crore top line in the bathware business. Bathware business, it takes time and lot of end-user conviction to reach that scale of INR 500 crore, INR 600 crore top-line players. So, our first goal is to cross the INR 500 crore top line in the bathware business in the coming years and to enter that club of being a manufacturer that does INR 500 crore to INR 600 crore of annual bathware sales. Post that we will look to ramp up in a more aggressive manner.

Exhibit 29. Product offerings: Sanitaryware and bathware



Source: Company, JM Financial

Exhibit 30. Plumbing revenue to grow at 13% CAGR over FY25-28E 70 60 30 50 40 20 30 10 20 10 FY22 FY23 FY26E FY27E FY28E ■ Plumbing revenue (INR bn) — YoY (%), RHS



Source: Company, JM Financial

Source: Company, JM Financial

Adhesives and sealants: Scale-up in India commendable; UK operations a drag

Astral entered the adhesives and sealants segment in 2014 through the acquisitions of Seal IT Services (UK) and Resinova Chemie (India). Over the past decade, the segment has delivered a robust revenue CAGR of >10% with steady EBITDA margin of 12–13%, supported by portfolio expansion and wider distribution reach. The business is currently served by five manufacturing facilities, including one each in the UK and the US.

While the India adhesives business has remained resilient, the UK operations (\sim 5–6% of segment revenue) have faced cost headwinds over the past 2 years, leading to margin pressure. In FY25, India adhesives revenue grew 14% with a healthy EBITDA margin of \sim 17%, while overall adhesives revenue expanded 10% with \sim 13% margin, implying drag from the UK business.

The management has taken corrective steps to revive UK operations, and early signs of stability emerged in 1QFY26, with revenue growing 7% YoY and EBITDA margin at 5% (vs. historical 8–10%). Further, Astral has strengthened the leadership team by appointing a senior industry professional with >25 years of experience to head the UK operations. In Sep'25, the company also acquired the balance 5% stake in Seal IT Services for INR 48mn, making it a wholly owned subsidiary.

Commentary of management in 1QFY26 concall

We have appointed a new person to lead the UK business, and he comes with a very rich industry experience. You will see a good turnaround in the UK business in the coming quarters.

25 September 2025 Astral

Exhibit 32. Adhesives and construction chemicals installed capacities spread across India, UK and US

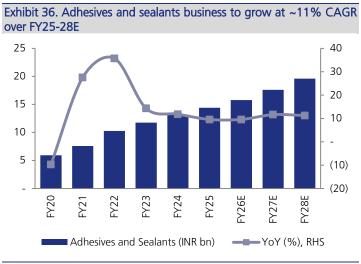


Source: Company, JM Financial



Source: Company, JM Financial





Source: Company, JM Financial

Paints: Headwinds owing to higher competitive intensity

Astral entered the paints industry through the acquisition of a majority stake in Gem Paints (India) in 2022, followed by the launch of its own brand, Astral Paints, in 2024. In Sep'25, the company acquired the balance 20% stake for INR 750mn, making the business a wholly owned subsidiary. Astral currently operates three manufacturing facilities, all located in Karnataka. The timing of Astral's foray coincided with higher competitive intensity in the paints industry. In FY25, while segment revenue grew ~6% YoY, EBITDA margin contracted sharply to ~6% (vs. ~15% in FY24) as the company undertook corrective measures to realign operations. However, the business has started showing traction, with 1QFY26 registering ~20% revenue growth — the first meaningful uptick post-acquisition — aided by the rollout of Astral Paints across select territories in India. The management has guided for at least 20% revenue growth in FY26. The Indian paints industry, valued at INR 700bn, has expanded at 10–12% CAGR over the past decade.

Commentary of management in 1QFY26 concall

For the first time after acquisition, we have delivered a 20% growth in the paint business, and this is mainly due to the Astral brand paint launches in certain territories across India. We will aim for a similar growth trajectory even in the paint business in the coming quarters.





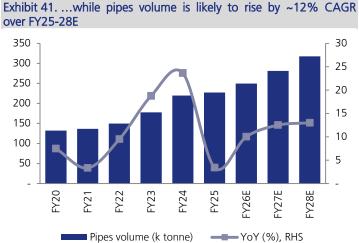
Exhibit 39. Paints revenue to grow at 16% CAGR over FY25-28E 3,500 20 15 3,000 10 5 2,500 2,000 (5) (10)1,500 (15)1,000 (20)FY27E FY28E FY23 FY24 FY25 FY26E — YoY (%), RHS ■ Paints (INR mn)

Source: Company, JM Financial

Source: Company, JM Financial

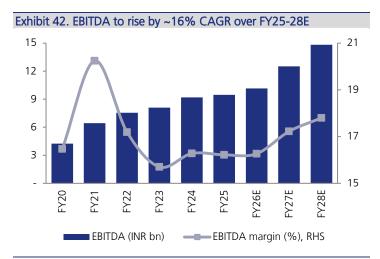
Astral reported a strong ~18% revenue CAGR over FY20–25, driven by healthy volume growth and improved realisation. However, growth moderated to ~3% YoY in FY25, as realisation declined, led by correction in PVC prices. Looking ahead, we forecast revenue to grow at ~13% CAGR over FY25–28E, supported by sustained volume growth, normalisation in pricing, and favourable structural demand drivers.

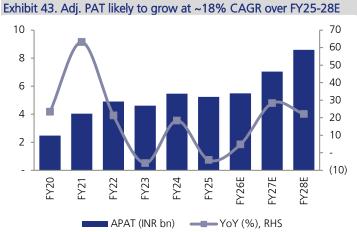




Source: Company, JM Financial

Astral has sustained a healthy long-term EBITDA margin of ~17% over the past 5 years, despite volatility. We project margin of ~19–20% in the piping division and ~12–14% in adhesives and paints over FY25–28E. Importantly, piping EBITDA/kg, which has declined for the past 3 years, is expected to improve from ~INR 34/kg in FY26E to ~INR 39/kg by FY28E. We estimate PAT to deliver a robust ~18% CAGR over FY25–28E, led by margin expansion and strong operating performance.





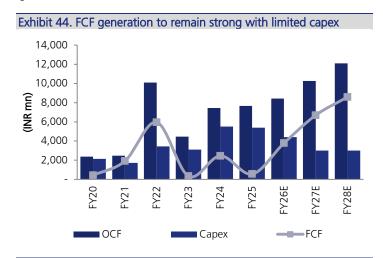
Source: Company, JM Financial

FCF generation to remain strong; net cash position to strengthen

With limited capacity additions planned over the next 2–3 years, Astral is poised for strong cash generation, with cumulative FCF of ~INR 19bn during FY25–28E—nearly double the prior 4 years. Having already incurred ~INR 19bn capex in FY21–25 and guided for only ~INR 3bn in FY26, Astral has no large expansion commitments, enabling net cash to rise ~4x to ~INR 21bn by FY28E. Return ratios is set expand by 250-300bps to ~17% by FY28E. Improved working capital efficiency (net WC days down to 37 in FY25 vs. 50 in FY19) and rising dividend payout (~10% in FY20 to ~20% in FY25) further underpin balance sheet strength. Accordingly, we see scope for incremental growth investments or higher shareholder returns.

Capex intensity to recede; net cash to increase sharply

With no major capacity additions lined up over the next 2–3 years, we forecast Astral to generate cumulative FCF of ~INR 19bn during FY25–28E—almost 2x the levels delivered over the prior 4 years. For FY26, the management has guided for capex of ~INR 3bn, with the Kanpur facility expected to be fully operational by 4QFY26. Having already incurred sizeable capex of ~INR 19bn over FY21–25, Astral has no large expansion commitments in the near term, which should translate into robust cash generation and balance sheet strengthening. As a result, we project net cash to expand nearly 4x to ~INR 21bn by FY28E. The company has steadily raised its dividend payout from ~10% in FY20 to ~20% in FY25. With improving liquidity, we believe the management could evaluate incremental growth options or consider higher shareholder returns.

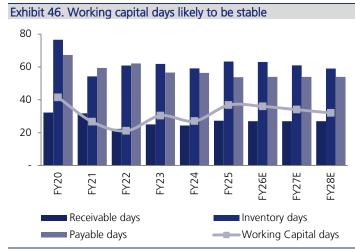


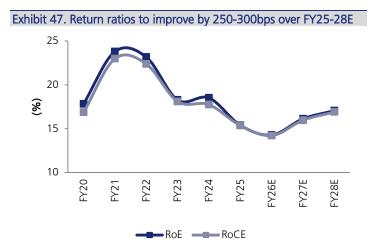


Source: Company, JM Financial

Working capital cycle to be stable; return ratios to improve

Astral has meaningfully improved its working capital efficiency over the years, with net working capital days reducing to 37 in FY25 from 50 in FY19, led primarily by a sharp decline in debtor days on the back of stronger collections and tighter credit discipline. We expect working capital to be broadly stable (backward integration in CPVC may provide upside risk), supporting healthy cash flows. Return ratios are projected to expand by 250–300bps over FY25–28E, reaching ~17% by FY28E.





Source: Company, JM Financial

Key assumptions and forecasts

Exhibit 48. Key assumption	Exhibit 48. Key assumptions										
										CAC	GR (%)
Key Assumptions	FY20	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E	FY28E	FY20-25	FY25-28E
Operational Metrics											
Total											
Capacity (kt)	326	350	371	392	477	549	622	622	622	11.0	4.2
Realisation (INR/kg)	195	233	294	290	257	257	250	258	262	5.7	0.7
EBITDA/kg (INR/kg)	32	47	50	46	42	42	41	45	47	5.3	3.9
Plumbing											
Capacity (kt)	239	258	275	290	334	382	455	455	455	9.9	6.0
Volume (kt)	132	137	150	178	220	227	250	281	318	11.4	11.8
Utilisation (%)	55	53	54	61	66	59	55	62	70		
Realisation (INR/kg)	150	177	225	212	189	185	177	186	191	4.3	1.1
EBITDA/kg (INR/kg)	27	38	42	36	34	35	34	37	39	5.1	3.4
P&L (INR bn)											
Revenue	26	32	44	52	56	58	62	73	83	17.7	12.6
EBITDA	4	6	8	8	9	9	10	13	15	17.4	16.2
Adj. PAT	2	4	5	4	5	5	5	7	9	16.1	17.9
Balance Sheet (INR bn)											
Equity	15	19	23	27	32	36	41	47	54		
Net Cash	0	4	6	6	5	5	7	13	21		
Cash Flow (INR bn)											
OCF before NWC change	2	2	10	4	7	8	8	10	12		
Change in NWC	0	1	(1)	(1)	1	(2)	(0)	(1)	(1)		
Capex	(2)	(2)	(3)	(3)	(6)	(5)	(4)	(3)	(3)		
FCF	0	2	6	0	2	1	4	7	9		
Return Ratios (%)											
RoE	17.8	23.8	22.9	17.6	18.5	15.4	14.3	16.1	17.1		
RoCE	16.9	23.0	22.4	18.1	17.8	15.4	14.2	16.0	16.9		
RoIC	17.3	25.9	27.7	22.5	20.6	17.1	16.0	19.9	24.1		
Valuations (x)											
P/E							68.9	53.7	44.0		
EV/EBITDA							36.5	29.2	24.1		

Source: JM Financial

Initiate with ADD, TP of INR 1,600

Astral has established itself as a leading building materials company, anchored by its CPVC leadership in pipes (~70–75% of revenue) and complemented by adjacencies businesses. The company continues to strengthen its CPVC franchise through backward integration into resin (40ktpa by 2QFY27), which should enhance supply security, support margins, and competitiveness. Beyond pipes, adhesives (22–23% of revenue) deliver healthy growth in India, while corrective measures are underway in the UK operations. Lower utilisation in bathware and intense competition in paints remain a challenge in the near term. With 18% EPS CAGR over FY25-28E and limited capex commitments, Astral is poised to generate ~INR 19bn FCF in FY25–28E (2x prior 4 years), enabling net cash to rise ~4x to INR 21bn by FY28E. Accordingly, it provides scope for incremental growth investments or higher shareholder returns

We value the stock on a P/E basis, assigning 55x Sep'27 EPS (~10% below 5-year average owing to higher competitive intensity) led by superior margin in pipes business, potential for margin improvement with backward integration, robust scale-up in the adhesives business, and strong balance sheet with return ratios well above cost of capital. We expect FY25- FY28 revenue/EBITDA/EPS CAGR of 13%/16%/18%, and value Astral at 55x Sep'27 EPS, driving our TP of INR 1,600, and ADD rating.

Exhibit 49. Our EPS estimates are ~2-3% lower vs. consensus									
	JM				Consensus		% variance		
INR bn	FY26E	FY27E	FY28E	FY26E	FY27E	FY28E	FY26E	FY27E	FY28E
Revenue	62	73	83	64	74	86	(2.8)	(1.9)	(2.8)
EBITDA	10	13	15	10	12	15	(1.5)	0.4	(0.0)
Adj. PAT	5	7	9	6	7	9	(2.9)	(2.3)	(3.5)

Source: JM Financial

Exhibit 50. Initiate with ADD with TP of INR 1,600 c	on 55x Sep'27 P/E
P/E Method	
Sep'27E EPS (INR)	29
P/E multiple (x)	55
Target Price (INR)	1,600
CMP (INR)	1,406
Upside (%)	13.8

Source: JM Financial



Source: Bloomberg, JM Financial

Key Risks

Rising competitive intensity in CPVC pipes: Heightened competition could drive pricing
pressure, margin compression, or market share loss. However, Astral's backward
integration into CPVC compounding and its established pricing premium provide some
cushion, in our view.

- **Execution risk in CPVC resin manufacturing:** Any delay in commissioning the upcoming CPVC resin facility could result in cost overruns and defer expected integration benefits.
- Slower ramp-up in adjacencies: Incremental capital allocation towards non-pipes business (especially paints and sanitaryware) — segments that are currently margin/ RoCE dilutive — poses a risk if scale-up is slower than anticipated.

Company Overview

Astral Limited is an Indian manufacturer and distributor of building materials, primarily known for its pipes and adhesives. Founded in 1996, Astral has a diverse product portfolio including CPVC and PVC pipes, water tanks, adhesives, sealants, construction chemicals, and paints, under brands like Astral Pipes and Astral Adhesives. With a focus on innovation and quality, Astral serves residential, commercial, and industrial sectors with operations and manufacturing facilities in India, the UK, and the US.



hibit 53. Management back Personnel	Designation	Brief profile
Mr. Sandeep Pravinbhai Engineer	Chairman & Managing Director	He is the Founder, Chairman, and Managing Director of Astral. In 1996, he established Astral Poly Technik and introduced CPVC piping to India in 1998. Under his leadership, Astral has diversified into adhesives, sealants, water tanks, and paints. He is a chemical engineer and has completed a senior executives program at Harvard Business School.
Mrs. Jagruti S. Engineer	Whole-time Director	She holds a Bachelor of Arts degree. She is promoter director of the company. Since incorporation, she has been managing Administration, Human Resource and Corporate Social Responsibility departments of Astral and has contributed significantly to growth of the company.
Mr. Kairav Engineer	Whole-time Director	He holds a Bachelor of Science degree in Industrial Engineering and Management from Georgia Tech, Atlanta-USA. He joined Astral in 2011. Under his leadership, Astral has diversified into new segments like bathware, adhesives, and paints. He was recognized among the Top 40 Under 40 Asian Leaders by Asia One and as one of the Tycoons of Tomorrow by Forbes India.
Mr. Saumya Engineer	CEO - Astral Adhesives & Paints	He holds a Bachelor of Science degree in Management from Arizona State University's W.P. Carey School of Business. Joining Astral in 2014, he initially worked in business development, gaining industry insights. He successfully led the integration of Resinova Chemie with Astral Group.
Mr. Hiranand Savlani	Whole-time Director & CFO	He is a chartered accountant. Before joining Astral, he gained extensive experience in finance and accounting through various positions in other companies. He joined Astral in Jul'23 as a whole-time director & CFO.

Financial Tables (Consolidated)

Income Statement (INR mn)					
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
Net Sales	56,414	58,324	62,386	72,620	83,285
Sales Growth	9.4%	3.4%	7.0%	16.4%	14.7%
Other Operating Income	0	0	0	0	0
Total Revenue	56,414	58,324	62,386	72,620	83,285
Cost of Goods Sold/Op. Exp	34,590	35,192	37,431	43,572	49,971
Personnel Cost	4,384	5,179	5,956	6,849	7,877
Other Expenses	8,257	8,494	8,851	9,693	10,614
EBITDA	9,183	9,459	10,147	12,506	14,823
EBITDA Margin	16.3%	16.2%	16.3%	17.2%	17.8%
EBITDA Growth	13.4%	3.0%	7.3%	23.2%	18.5%
Depn. & Amort.	1,976	2,434	2,918	3,235	3,506
EBIT	7,207	7,025	7,229	9,271	11,317
Other Income	421	413	463	509	560
Finance Cost	291	413	375	360	374
PBT before Excep. & Forex	7,337	7,025	7,317	9,420	11,502
Excep. & Forex Inc./Loss(-)	0	0	0	0	0
PBT	7,337	7,025	7,317	9,420	11,502
Taxes	1,880	1,836	1,851	2,383	2,910
Extraordinary Inc./Loss(-)	0	0	0	0	0
Assoc. Profit/Min. Int.(-)	-6	-49	-19	0	0
Reported Net Profit	5,461	5,238	5,485	7,036	8,592
Adjusted Net Profit	5,461	5,238	5,485	7,036	8,592
Net Margin	9.7%	9.0%	8.8%	9.7%	10.3%
Diluted Share Cap. (mn)	268.6	268.6	268.6	268.6	268.6
Diluted EPS (INR)	20.3	19.5	20.4	26.2	32.0
Diluted EPS Growth	22.6%	-4.1%	4.7%	28.3%	22.1%
Total Dividend + Tax	1,007	1,007	1,007	1,061	1,115
Dividend Per Share (INR)	3.8	3.8	3.8	4.0	4.2

Balance Sheet					(INR mn)
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
Shareholders' Fund	31,881	36,170	40,647	46,623	54,100
Share Capital	269	269	269	269	269
Reserves & Surplus	31,612	35,901	40,379	46,354	53,831
Preference Share Capital	0	0	0	0	0
Minority Interest	804	757	776	776	776
Total Loans	964	1,439	1,439	1,439	1,439
Def. Tax Liab. / Assets (-)	439	469	469	469	469
Total - Equity & Liab.	34,088	38,835	43,331	49,307	56,784
Net Fixed Assets	23,800	26,885	28,367	28,132	27,626
Gross Fixed Assets	26,721	32,930	37,330	40,330	43,330
Intangible Assets	4,648	4,304	4,304	4,304	4,304
Less: Depn. & Amort.	9,075	11,509	14,427	17,662	21,168
Capital WIP	1,506	1,160	1,160	1,160	1,160
Investments	0	0	0	0	0
Current Assets	21,158	23,593	27,230	35,108	44,829
Inventories	9,134	10,111	10,768	12,137	13,462
Sundry Debtors	3,758	4,353	4,615	5,372	6,161
Cash & Bank Balances	6,096	6,083	8,849	14,479	21,957
Loans & Advances	6	13	13	13	13
Other Current Assets	2,164	3,033	2,985	3,107	3,235
Current Liab. & Prov.	10,870	11,643	12,265	13,933	15,671
Current Liabilities	8,853	9,254	9,895	11,409	12,987
Provisions & Others	2,017	2,389	2,371	2,524	2,684
Net Current Assets	10,288	11,950	14,964	21,175	29,158
Total – Assets	34,088	38,835	43,331	49,307	56,784

Source: Company, JM Financial

Source: Company, JM Financial

Cash Flow Statement (INR mn)					
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
Profit before Tax	7,337	7,025	7,317	9,420	11,502
Depn. & Amort.	1,976	2,434	2,918	3,235	3,506
Net Interest Exp. / Inc. (-)	-42	-50	0	0	0
Inc (-) / Dec in WCap.	500	-1,718	-248	-581	-505
Others	235	306	369	360	374
Taxes Paid	-1,772	-1,701	-1,851	-2,383	-2,910
Operating Cash Flow	8,234	6,296	8,505	10,050	11,967
Capex	-5,502	-5,394	-4,400	-3,000	-3,000
Free Cash Flow	2,732	902	4,105	7,050	8,967
Inc (-) / Dec in Investments	-1,698	221	0	0	0
Others	1,790	47	0	0	0
Investing Cash Flow	-5,410	-5,126	-4,400	-3,000	-3,000
Inc / Dec (-) in Capital	0	0	0	0	0
Dividend + Tax thereon	-1,007	-1,007	-1,007	-1,061	-1,115
Inc / Dec (-) in Loans	191	440	0	0	0
Others	-1,209	-616	-331	-360	-374
Financing Cash Flow	-2,025	-1,183	-1,338	-1,421	-1,489
Inc / Dec (-) in Cash	799	-13	2,766	5,630	7,478
Opening Cash Balance	5,297	6,096	6,083	8,849	14,479
Closing Cash Balance	6,096	6,083	8,849	14,479	21,957

Dupont Analysis						
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E	
Net Margin	9.7%	9.0%	8.8%	9.7%	10.3%	
Asset Turnover (x)	1.7	1.6	1.5	1.5	1.5	
Leverage Factor (x)	1.1	1.1	1.1	1.1	1.1	
RoE	18.5%	15.4%	14.3%	16.1%	17.1%	

Key Ratios					
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
BV/Share (INR)	118.7	134.6	151.3	173.6	201.4
ROIC	21.0%	17.3%	16.3%	20.3%	24.6%
ROE	18.5%	15.4%	14.3%	16.1%	17.1%
Net Debt/Equity (x)	-0.2	-0.1	-0.2	-0.3	-0.4
P/E (x)	69.2	72.1	68.9	53.7	44.0
P/B (x)	11.8	10.4	9.3	8.1	7.0
EV/EBITDA (x)	40.7	39.6	36.6	29.3	24.2
EV/Sales (x)	6.6	6.4	6.0	5.0	4.3
Debtor days	24	27	27	27	27
Inventory days	59	63	63	61	59
Creditor days	67	64	64	65	66

Source: Company, JM Financial

APPENDIX I

JM Financial Institutional Securities Limited

Corporate Identity Number: U67100MH2017PLC296081

Member of BSE Ltd. and National Stock Exchange of India Ltd.

SEBI Registration Nos.: Stock Broker - INZ000163434, Research Analyst - INH000000610
Registered Office: 7th Floor, Cnergy, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India.
Board: +91 22 6630 3030 | Fax: +91 22 6630 3488 | Email: jmfinancial.research@jmfl.com | www.jmfl.com Compliance Officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1743 | Email: sahil.salastekar@jmfl.com Grievance officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1743 | Email: instcompliance@jmfl.com

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

New Rating System: Definition of ratings		
Rating	Meaning	
BUY	Expected return >= 15% over the next twelve months.	
ADD	Expected return >= 5% and < 15% over the next twelve months.	
REDUCE	Expected return >= -10% and < 5% over the next twelve months.	
SELL	Expected return < -10% over the next twelve months.	

Previous Rating	Previous Rating System: Definition of ratings				
Rating	Meaning				
BUY	Total expected returns of more than 10% for stocks with market capitalisation in excess of INR 200 billion and REITs* and more than 15% for all other stocks, over the next twelve months. Total expected return includes dividend yields.				
HOLD	Price expected to move in the range of 10% downside to 10% upside from the current market price for stocks with market capitalisation in excess of INR 200 billion and REITs* and in the range of 10% downside to 15% upside from the current market price for all other stocks, over the next twelve months.				
SELL	Price expected to move downwards by more than 10% from the current market price over the next twelve months.				

^{*} REITs refers to Real Estate Investment Trusts.

Research Analyst(s) Certification

The Research Analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that:

All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

Important Disclosures

This research report has been prepared by JM Financial Institutional Securities Limited (JM Financial Institutional Securities) to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its associates solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of JM Financial Institutional Securities. This report has been prepared independent of the companies covered herein.

JM Financial Institutional Securities is registered with the Securities and Exchange Board of India (SEBI) as a Research Analyst and a Stock Broker having trading memberships of the BSE Ltd. (BSE) and National Stock Exchange of India Ltd. (NSE). No material disciplinary action has been taken by SEBI against JM Financial Institutional Securities in the past two financial years which may impact the investment decision making of the investor. Registration granted by SEBI and certification from the National Institute of Securities Market (NISM) in no way guarantee performance of JM Financial Institutional Securities or provide any assurance of returns to investors.

JM Financial Institutional Securities renders stock broking services primarily to institutional investors and provides the research services to its institutional clients/investors. JM Financial Institutional Securities and its associates are part of a multi-service, integrated investment banking, investment management, brokerage and financing group. JM Financial Institutional Securities and/or its associates might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, broking, financing or any other advisory services to the company(ies) covered herein. JM Financial Institutional Securities and/or its associates might have received during the past twelve months or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services.

JM Financial Institutional Securities and/or its associates, their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) covered under this report or (c) act as an advisor or lender/borrower to, or may have any financial interest in, such company(ies) or (d) considering the nature of business/activities that JM Financial Institutional Securities is engaged in, it may have potential conflict of interest at the time of publication of this report on the subject company(ies).

Neither JM Financial Institutional Securities nor its associates or the Research Analyst(s) named in this report or his/her relatives individually own one per cent or more securities of the company(ies) covered under this report, at the relevant date as specified in the SEBI (Research Analysts) Regulations, 2014.

The Research Analyst(s) principally responsible for the preparation of this research report and their immediate relatives are prohibited from buying or selling debt or equity securities, including but not limited to any option, right, warrant, future, long or short position issued by company(ies) covered under this report. The Research Analyst(s) principally responsible for the preparation of this research report or their immediate relatives (as defined under SEBI (Research Analysts) Regulations, 2014); (a) do not have any financial interest in the company(ies) covered under this report or (b) did not receive any compensation from the company(ies) covered under this report, or from any third party, in connection with this report or (c) do not have any other material conflict of interest at the time of publication of this report. Research Analyst(s) are not serving as an officer, director or employee of the company(ies) covered under this report.

While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and JM Financial Institutional Securities does not warrant its accuracy or completeness. JM Financial Institutional Securities may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision.

This research report is based on the fundamental research/analysis conducted by the Research Analyst(s) named herein. Accordingly, this report has been prepared by studying/focusing on the fundamentals of the company(ies) covered in this report and other macro-economic factors. JM Financial Institutional Securities may have also issued or may issue, research reports and/or recommendations based on the technical/quantitative analysis of the company(ies) covered in this report by studying and using charts of the stock's price movement, trading volume and/or other volatility parameters. As a result, the views/recommendations expressed in such technical research reports could be inconsistent or even contrary to the views contained in this report.

The investment discussed or views expressed or recommendations/opinions given herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and JM Financial Institutional Securities reserves the right to make modifications and alterations to this statement as they may deem fit from time to time.

This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction.

This report is not directed or intended for distribution to, or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject JM Financial Institutional Securities and/or its affiliated company(ies) to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions.

Additional disclosure only for U.S. persons: JM Financial Institutional Securities has entered into an agreement with JM Financial Securities, Inc. ("JM Financial Securities"), a U.S. registered broker-dealer and member of the Financial Industry Regulatory Authority ("FINRA") in order to conduct certain business in the United States in reliance on the exemption from U.S. broker-dealer registration provided by Rule 15a-6, promulgated under the U.S. Securities Exchange Act of 1934 (the "Exchange Act"), as amended, and as interpreted by the staff of the U.S. Securities and Exchange Commission ("SEC") (together "Rule 15a-6").

This research report is distributed in the United States by JM Financial Securities in compliance with Rule 15a-6, and as a "third party research report" for purposes of FINRA Rule 2241. In compliance with Rule 15a-6(a)(3) this research report is distributed only to "major U.S. institutional investors" as defined in Rule 15a-6 and is not intended for use by any person or entity that is not a major U.S. institutional investor. If you have received a copy of this research report and are not a major U.S. institutional investor, you are instructed not to read, rely on, or reproduce the contents hereof, and to destroy this research or return it to JM Financial Institutional Securities or to JM Financial Securities.

This research report is a product of JM Financial Institutional Securities, which is the employer of the research analyst(s) solely responsible for its content. The research analyst(s) preparing this research report is/are resident outside the United States and are not associated persons or employees of any U.S. registered broker-dealer. Therefore, the analyst(s) are not subject to supervision by a U.S. broker-dealer, or otherwise required to satisfy the regulatory licensing requirements of FINRA and may not be subject to the Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

Any U.S. person who is recipient of this report that wishes further information regarding, or to effect any transaction in, any of the securities discussed in this report, must contact, and deal directly through a U.S. registered representative affiliated with a broker-dealer registered with the SEC and a member of FINRA. In the U.S., JM Financial Institutional Securities has an affiliate, JM Financial Securities, Inc. located at 1325 Avenue of the Americas, 27th Floor, Office No. 2715, New York, New York 10019. Telephone +1 (332) 900 4958 which is registered with the SEC and is a member of FINRA and SIPC.

Additional disclosure only for U.K. persons: Neither JM Financial Institutional Securities nor any of its affiliates is authorised in the United Kingdom (U.K.) by the Financial Conduct Authority. As a result, this report is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the Financial Services and Markets Act 2000) in connection with the matters to which this report relates may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This report is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this report relates is available only to relevant persons and will be engaged in only with relevant persons.

Additional disclosure only for Canadian persons: This report is not, and under no circumstances is to be construed as, an advertisement or a public offering of the securities described herein in Canada or any province or territory thereof. Under no circumstances is this report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the registration requirement in the relevant province or territory of Canada in which such offer or sale is made. This report is not, and under no circumstances is it to be construed as, a prospectus or an offering memorandum. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon these materials, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offence. If you are located in Canada, this report has been made available to you based on your representation that you are an "accredited investor" as such term is defined in National Instrument 45-106 Prospectus Exemptions and a "permitted client" as such term is defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Under no circumstances is the information contained herein to be construed as investment advice in any province or territory of Canada nor should it be construed as being tailored to the needs of the recipient. Canadian recipients are advised that JM Financial Securities, Inc., JM Financial Institutional Securities Limited, their affiliates and authorized agents are not responsible for, nor do they accept, any liability whatsoever for any direct or consequential lo