PVR INOX | BUY

JM FINANCIAL

A capital efficient model awaits box-office revival

A tough 4Q capped a fluctuating year for PVR Inox. Revenues, though marginally ahead of our subdued expectations, were down 19% QoQ. Occupancy, Admits and ATP were at four quarter low. Four out of past eight quarters have seen a sub-25% occupancy, something rarely seen pre-COVID. The bear argument could be that occupancy might be structurally lower now. Though possible, a soft 4Q – with a weak release calendar - was not the litmus test. Good content – of both big and small budgets – have done well in recent past. Moreover, cost discipline has ensured flat fixed cost/screen over FY20-24, allowing for similar financial performance at lower occupancy. FCF (post lease payment) in FY24 was the highest since FY19, when occupancy was 36% (vs. 25% in FY24). Company's focus on slowing pace of net screen addition and reducing capex intensity (by 50% in couple of years) through "Franchise Owned, Company operated" (FOCO) model would further improve FCF generation. Tangible result on PnL and ROCE might track better box-office performance. But the direction seems clear. A weak 1Q outlook means triggers in the stock are not imminent. But one strong movie could change that. A healthy pipeline post mid-June give us confidence. We retain BUY with a revised DCF based TP of INR 2,070 (from INR 2,250).

- 4QFY24 Weak as expected: Consol. revenues grew 10% YoY (-19% QoQ) to INR 12.5bn (JMFe: INR 12.2bn), net of 6%/17% Ticketing/F&B revenues. A weak release calendar and underwhelming performance by few big-budget movies impacted ticket revenues. Admits grew 7% YoY (32.6mn), aided by screen addition (+4% YoY). Occupancy improved 40bps YoY to 22.6% (JMFe: 22%). ATP declined 2.5% YoY while SPH grew 8.5% YoY, partly reflecting synergy benefits. Pre-Ind AS EBITDA margin broke even, missing estimates (0.1% vs. JMFe: 1.4%). PAT losses of INR 1.2bn were ahead of JMFe: -0.9bn. Company is evaluating monetization of real estate assets valued at INR 3-4 bn to reduce debts. Company turned FCF positive in FY24 (INR 1.16bn).
- FY25: Pivot to better FCF/ROCE: IPL and ongoing general elections have impacted new movie flow in Apr-May. This will likely stabilise by mid-June, indicating a softer 1QFY25. Pushpa-2 in August and Kalki 2898 in June are promising movies. Management's near term focus has shifted towards lowering Opex/screen, slowing pace of net screen addition, reducing capex intensity (25% in FY25) and improving FCF to reduce debt. Company has already realised synergy benefits of INR 1.85-2.08bn (Source: PVR Inox), just shy of its INR 2.25bn target. The company is expanding its Managed Fee model. It plans to add 15-20 screens under FOCO model (out of 120), where the entire CapEx will be incurred by the development partner. Net screen addition in FY25 will be 50.
- Cut FY25-26E EPS; Maintain BUY: A weak 4Q, subdued 1Q outlook, marginally lower occupancy assumptions and lower net new screen addition guidance drive 5-15% cut to our FY25/26E EPS. Our FY25 Capex estimates are c.10% below FY24's (in-line with lower screen addition). This is less than 25% capex reduction indicated by management as we haven't yet built FOCO model benefits, pending limited details on revenue sharing. Better FCF limit cuts to our DCF-based TP. Retain BUY with a revised INR 2,070 TP.

Abhishek Kumar abhishek.kumar@jmfl.com | Tel: (91 22) 66303053 Anuj Kotewar

anuj.kotewar@jmfl.com | Tel: (91 22) 62241874

Recommendation and Price Target	
Current Reco.	BUY
Previous Reco.	BUY
Current Price Target (12M)	2,070
Upside/(Downside)	59.5%
Previous Price Target	2,250
Change	-8%

Key Data – PVRINOX IN	
Current Market Price	INR1,297
Market cap (bn)	INR127.3/US\$1.5
Free Float	88%
Shares in issue (mn)	98.0
Diluted share (mn)	97.4
3-mon avg daily val (mn)	INR804.1/US\$9.6
52-week range	1,880/1,248
Sensex/Nifty	73,105/22,218
INR/US\$	83.5

Price Performance			
%	1M	6M	12M
Absolute	-8.2	-20.8	-10.3
Relative*	-7.9	-28.8	-23.5

* To the BSE Sensex

Financial Summary					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Sales	36,092	60,540	69,968	77,602	86,278
Sales Growth (%)	173.3	67.7	15.6	10.9	11.2
EBITDA	10,477	18,101	24,398	27,914	31,619
EBITDA Margin (%)	27.9	29.6	34.5	35.6	36.4
Adjusted Net Profit	-3,177	-320	6,273	9,606	10,373
Diluted EPS (INR)	-32.6	-3.3	64.4	98.6	106.5
Diluted EPS Growth (%)	0.0	0.0	0.0	53.1	8.0
ROIC (%)	8.7	5.1	10.4	13.7	15.7
ROE (%)	-7.3	-0.4	8.2	11.4	11.2
P/E (x)	-39.8	-394.8	20.1	13.2	12.2
P/B (x)	1.7	1.7	1.6	1.4	1.3
EV/EBITDA (x)	26.0	19.7	10.3	8.2	6.8
Dividend Yield (%)	0.0	0.0	0.6	1.1	1.4

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

Certification.

Bloomberg - JMFR <GO>, Thomson Publisher & Reuters, S&P Capital IQ, FactSet and Visible Alpha

JM Financial Research is also available on:

JM Financial Institutional Securities Limited

4QFY24 result review

Exhibit 1. Key Financials								
	4Q23	FY23	1Q24	2Q24	3Q24	4Q24	FY24	
Sale of movie tickets	6,016	27,514	6,945	11,193	8,308	6,353	32,799	
Foods & Beverages	3,520	16,180	4,277	6,412	4,763	4,132	19,584	
Advertisement	907	3,818	893	1,176	1,405	1,045	4,519	
Others	591	2,470	532	685	527	437	2,181	
Revenue (INR mn)	11,432	37,506	13,049	19,999	15,459	12,564	61,071	
Film exhibition cost	2,597	8,184	2,980	4,954	3,710	2,469	14,113	
Cost of F&B	930	3,102	1,071	1,544	1,248	1,131	4,994	
Gross Profit	7,904	26,220	8,998	13,501	10,501	8,964	41,964	
Staff Cost	1,514	4,389	1,559	1,679	1,629	1,706	6,573	
Other Expenditure	3,752	11,355	3,914	4,754	4,148	4,474	17,290	
EBITDA	2,639	10,476	3,525	7,068	4,724	2,784	18,101	
- Margin	23.1%	27.9%	27.0%	35.3%	30.6%	22.2%	29.6%	
Pre IND AS 116 EBITDA	54	3,202	808	4,726	2,025	12	7,121	
- Margin	0.5%	8.5%	6.2%	23.6%	13.1%	0.1%	11.7%	
PAT	-3,334	-3,351	-816	1,663	128	-1,295	-320	
EPS	-54.7	-55.2	-8.3	17.0	1.3	-13.2	-3.3	

Source: Company, JM Financial

Exhibit 2. 4QFY24 Result S	iummary						
INR mn	4QFY24A	3QFY24A	QoQ	4QFY23A	YoY	JMFe	Vs JMFe
Key Financials							
Consol. Revenue	12,564	15,459	-18.7%	11,432	9.9%	12,229	2.7%
Reported EBITDA	2,784	4,724	-41.1%	2,639	5.5%	2,976	-6.5%
- margin	22%	31%	-840 bps	23%	-92 bps	24%	-218 bps
Adjusted EBITDA	12	2,025	-99.4%	54	-77.7%	173	-93.1%
- margin	0.1%	13%	-1,300 bps	0%	-37 bps	1%	-132 bps
PAT	-1,297	128	-1113%	-3,334	-61.1%	-897	44.6%
EPS	-13.2	1.3	-1113%	-51.9	-74.5%	-9.2	44.6%
Operating Metrics - Ticketing							
Screens	1718	1708	0.6%	1680	2.3%	1718.0	0.0%
Admits (Mn)	32.6	36.50	-10.7%	30.5	6.9%	32.9	-0.9%
Occupancy	22.6%	25.2%	-260 bps	22.2%	40 bps	22.0%	60 bps
ATP (INR)	233	271	-14.0%	239	-2.5%	228	2.1%
Income from ticketing	6,353	8,308	-23.5%	6,016	5.6%	6,347	0.1%
Operating Metrics - F&B							
SPH (INR)	129	132	-2.3%	119	8.4%	123	4.9%
Income from F&B	4,132	4,763	-13.2%	3,520	17.4%	4,068	1.6%

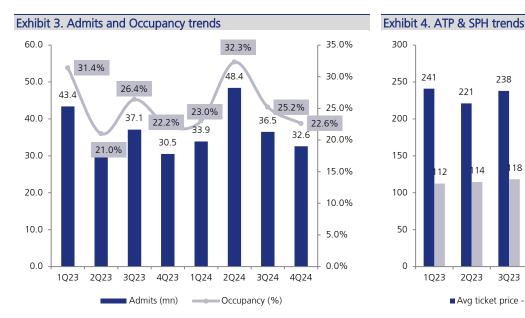
Source: Company, JM Financial estimates

300

50

0

241



239 238 250 233 221 200 150 32 30 18 115 12 100

4Q23

1Q24

2Q24

■F&B Spend per head - INR

3Q24

4Q24

276

246

271

Source: Company, JM Financial

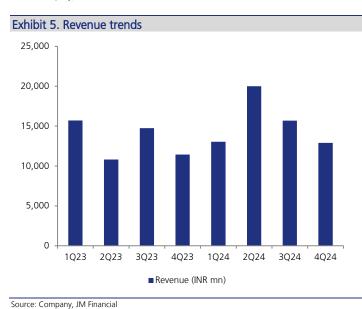
1Q23

2Q23

3Q23

■ Avg ticket price - INR

Source: Company, JM Financial

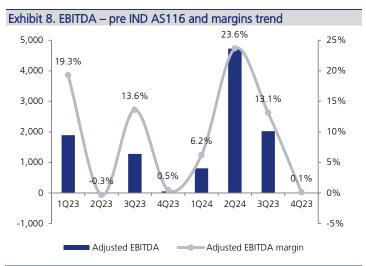




Source: Company, JM Financial

Exhibit 6. Revenue mix 100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0% 1Q23 2Q23 3Q23 4Q23 1Q24 2Q24 3Q23 4Q23 ■ Sale of movie tickets ■ Foods & Beverages ■ Advertisement ■ Convenience fee Other operating income ■ Income from movie distribution

Source: Company, JM Financial

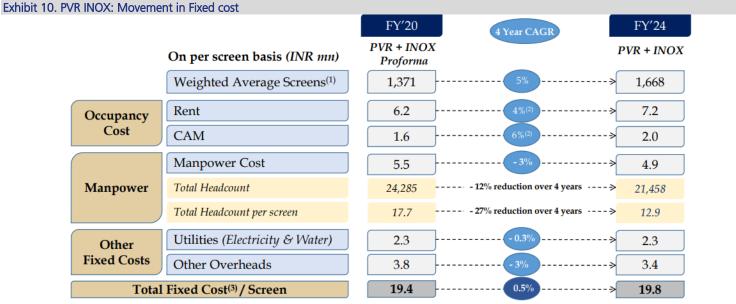


Maintain BUY, TP Revised to INR 2,070.

We lower our estimates to factor in 4QFY24 miss, softer 1QFY25 and lower screen addition guidance. Our Revenue estimates are down by 7%-9% over FY25-27. We also cut our reported EBITDA margin estimates by 80-95bps over the same period. This translates into EPS cut by 5% to 15%. Our FY25 Capex estimates are c.10% below FY24's (in-line with lower screen addition). This is less than 25% capex reduction indicated by management as we haven't yet built FOCO model benefits, pending limited details on revenue sharing. Better FCF limit cuts to our DCF-based TP. Retain BUY with a revised INR 2,070 TP.

Exhibit 9. What has Change	d									
	Old				New			Change		
	FY25	FY26	FY27	FY25	FY26	FY27	FY25	FY26	FY27	
Sale of tickets	41,164	46,014	-	37,635	41,542	45,973	-8.6%	-9.7%	-	
Sale of food and beverages	24,431	27,962	-	22,703	25,331	28,350	-7.1%	-9.4%	-	
Income from advertisement	5,704	6,620	-	5,318	6,060	6,820	-6.8%	-8.5%	-	
Other	5,033	5,601	-	4,995	5,580	5,810	-0.7%	-0.4%	-	
Consol Revenue	76,333	86,197	-	70,651	78,513	86,953	-7.4%	-8.9%	-	
Gross Profit	52,151	58,862	-	48,836	54,237	60,033	-6.4%	-7.9%	-	
Gross Profit margin	68%	68%	-	69%	69%	69%	80bp	79bp	-	
EBITDA	27,047	31,332	-	24,398	27,914	31,619	-9.8%	-10.9%	-	
EBITDA margin	35.4%	36.3%	-	34.5%	35.6%	36.4%	-90bp	-80bp	-	
Pre Ind As EBITDA	14,598	17,542	-	13,065	15,677	18,229	-10.5%	-10.6%	-	
Pre Ind As EBITDA margin	19.1%	20.4%	-	18.5%	20.0%	21.0%	-63bp	-38bp	-	
PAT	7,333	10,154	-	6,273	9,606	10,373	-14.5%	-5.4%	-	
EPS	75	104	-	64	99	106	-14.5%	-5.4%	-	

Source: Company, JM Financial estimates



- (1) Weighted average screens has been calculated basis the actual no. of days of operations of each cinema in an year.
- (2) In line with contractual Rent & CAM escalation terms
- (3) excluding Movie Distribution and Print charges

Exhibit 11. Content Pipeline



IF: IMAGINARY FRIENDS

CAST RYAN REYNOLDS, JOHN KRASINSKI, CAILEY FLEMING

DIRECTOR JOHN KRASINSKI ENGLISH

17TH MAY'2024



THE GARFIELD MOVIE - 3D/4DX

CAST HANNAH WADDINGHAM, CHRIS PATT, SAMUEL L JACKSON

DIRECTOR MARK DINDAL ENGLISH, HINDI

17TH MAY'2024



FURIOSA: A MAD MAX SAGA -IMAX/4DX/ SCREEN-X/ICE

CAST ANYA TAYLOR JOY, CHRIS HEMSWORTH DIRECTOR GEORGE MILLER

ENGLISH, HINDI, TAMIL, TELUGU

23RD MAY'2024



MR AND MRS MAHI

CAST RAJKUMMAR RAO, JANHVI KAPOOR

DIRECTOR SHARAN SHARMA

HINDI

31ST MAY'2024



BAD BOYS: RIDE OR DIE -IMAX, 4DX, ICE, SCREEN-X

CAST WILL SMITH, MARTIN LAWRENCE, VANESSA HUDGENS

DIRECTOR ADIL, BILALL

ENGLISH, HINDI, TAMIL, TELUGU

7TH JUN'2024



INSIDE OUT 2 -ICE, IMAX, DBOX, 4DX

CAST DIANE LANE, AMY POEHLER

DIRECTOR KELSEY MANN ENGLISH

14TH JUN'2024

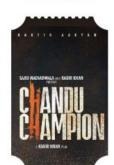


EMERGENCY

CAST KANGANA RANAUT, ANUPAM KHER, SHREYAS TALPADE

DIRECTOR KANGANA RANAUT HINDI

14™ JUN'2024



CHANDU CHAMPION

CAST KARTIK AARYAN , SHRADDHA KAPOOR

DIRECTOR KABIR KHAN

HINDI

14™ JUN'2024



KUDI HARYANE VAL DI

CAST AMMY VIRK, SONAM BAJWA DIRECTOR RAKESH DHAWAN

PUNJABI

14[™] JUN'2024



THE EXORCISM

CAST RUSSELL CROWE, CHLOE BAILEY, LISA BAKER, MIRANDA BEAUDRY

DIRECTOR M.A FORTIN, JOSHUA JOHN MILLER

ENGLISH

21^{5T} JUN'2024



KALKI 2898 AD -IMAX

CAST PRABHAS, AMITABH BACHCHAN, DEEPIKA PADUKONE

DIRECTOR NAG ASHWIN

TELUGU, HINDI, TAMIL, MALAYALAM, KANNADA

27[™] JUN'2024



A QUIET PLACE : DAY ONE -IMAX, 4DX

LUPITA NYONG'O, JOSEPH QUINN

DIRECTOR MICHAEL SAMOSKI ENGLISH

28[™] JUN'2024



JATT & JULIET 3

CAST DILJIT DOSANJH, NEERU BAJWA DIRECTOR

JAGDEEP SIDHU
PUNJABI

28TH JUN'2024



DESPICABLE ME 4 IMAX, 4DX, SCREEN- X, ICE

CAST STEVE CARELL, KRISTEN WIIG

DIRECTOR CHRIS RENAUD ENGLISH

5™ JUL'2024



FLY ME TO THE MOON

CAST SCARLETT JOHANSSON, CHANNIING TATUM

DIRECTOR GREG BERLANTI

ENGLISH

12TH JUL'2024



SARFIRA

CAST AKSHAY KUMAR, RADHIKA MADAN, PARESH RAWAL

DIRECTOR SUDHA KONGARA HINDI

12™ JUL'2024

Exhibit 12. Content Pipeline



VEDAA CAST JOHN ABRAHAM, SHARVARI WAGH DIRECTOR NIKKHIL ADVANI

HINDI

DEADPOOL & WOLVERINE - IMAX, 4DX, SCREEN-X, ICE

CAST RYAN REYNOLDS, HUGH JACKMAN, LESLIE UGGAMS

DIRECTOR SHAWN LEVY

ENGLISH 26[™] JUL'2024



THE SABARMATI REPORT

CAST VIKRANT MASSEY, RAASHI KHANNA, RIDHI DOGRA

DIRECTOR RANJAN CHANDEL

HINDI

2ND AUG'2024



BORDERLANDS-IMAX

CAST
CATE BLANCHETT,
KEVIN HART,
JACK BLACK,
JAMIE LEE CURTIS,
EDGAR RAMIREZ

DIRECTOR

ENGLISH

9TH AUG'2024



PUSHPA 2: THE RULE - IMAX

12[™] JUL'2024

CAST ALLU ARJUN, RASHMIKA MANDANNA, FAHADH FAASIL

DIRECTOR

TELUGU, HINDI, TAMIL, KANNADA, MALAYALAM

15[™] AUG'2024



ALIEN ROMULUS -IMAX, ICE

CAST CAILEE SPANEY, ISABELA, ARCHIE RENAUX, DAVID JONSSON, SPIKE FEARN

DIRECTOR FEDE ALVAREZ ENGLISH

16[™] AUG'2024



KRAVEN THE HUNTER - IMAX, 4DX, MX4D,

CAST AARON TAYLOR, JOHNSON

DIRECTOR J.C CHANDOR

ENGLISH, HINDI, TAMIL, TELUGU

30TH AUG'2024



STREE 2

CAST SHRADDHA KAPOOR, RAJKUMMAR RAO, PANKAJ TRIPATHI, ABHISHEK BANERJEE, APARSHAKTI KHURANA

DIRECTOR AMAR KAUSHIK

HINDI

30[™] AUG'2024

Financial Tables (Consolidated)

Income Statement (INR mr							
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E		
Net Sales	36,092	60,540	69,968	77,602	86,278		
Sales Growth	173.3%	67.7%	15.6%	10.9%	11.2%		
Other Operating Income	1,414	531	684	910	675		
Total Revenue	37,507	61,071	70,651	78,513	86,953		
Cost of Goods Sold/Op. Exp	11,286	19,107	21,815	24,276	26,919		
Personnel Cost	4,389	6,573	6,867	7,272	7,848		
Other Expenses	11,355	17,290	17,571	19,051	20,566		
EBITDA	10,477	18,101	24,398	27,914	31,619		
EBITDA Margin	27.9%	29.6%	34.5%	35.6%	36.4%		
EBITDA Growth	894.0%	72.8%	34.8%	14.4%	13.3%		
Depn. & Amort.	7,533	12,193	12,374	11,739	12,355		
EBIT	2,944	5,908	12,024	16,175	19,264		
Other Income	791	1,566	2,470	2,557	270		
Finance Cost	5,716	7,913	6,117	5,905	5,682		
PBT before Excep. & Forex	-1,982	-439	8,377	12,827	13,852		
Excep. & Forex Inc./Loss(-)	0	0	0	0	0		
PBT	-1,982	-439	8,377	12,827	13,852		
Taxes	1,274	-112	2,094	3,207	3,463		
Extraordinary Inc./Loss(-)	-108	0	0	0	0		
Assoc. Profit/Min. Int.(-)	-13	-7	10	15	16		
Reported Net Profit	-3,351	-320	6,273	9,606	10,373		
Adjusted Net Profit	-3,177	-320	6,273	9,606	10,373		
Net Margin	-8.5%	-0.5%	8.9%	12.2%	11.9%		
Diluted Share Cap. (mn)	97.4	97.4	97.4	97.4	97.4		
Diluted EPS (INR)	-32.6	-3.3	64.4	98.6	106.5		
Diluted EPS Growth	0.0%	0.0%	0.0%	53.1%	8.0%		
Total Dividend + Tax	0	0	753	1,441	1,815		
Dividend Per Share (INR)	0.0	0.0	7.7	14.8	18.6		

Balance Sheet					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Shareholders' Fund	73,299	73,235	79,508	88,361	97,293
Share Capital	980	981	981	981	981
Reserves & Surplus	72,319	72,254	78,527	87,380	96,312
Preference Share Capital	0	0	0	0	0
Minority Interest	-7	-3	7	22	38
Total Loans	17,926	17,177	16,318	15,094	13,962
Def. Tax Liab. / Assets (-)	-4,735	-4,881	-4,881	-4,881	-4,881
Total - Equity & Liab.	86,483	85,528	90,952	98,596	1,06,412
Net Fixed Assets	1,44,559	1,47,245	1,46,649	1,48,266	1,50,471
Gross Fixed Assets	1,03,201	1,09,976	1,15,995	1,22,217	1,28,861
Intangible Assets	53,746	54,917	54,092	54,697	56,013
Less: Depn. & Amort.	14,862	20,112	25,903	31,113	36,867
Capital WIP	2,473	2,464	2,464	2,464	2,464
Investments	2	161	161	161	161
Current Assets	15,436	15,890	21,836	28,353	34,090
Inventories	664	725	818	907	1,008
Sundry Debtors	1,825	2,346	2,711	3,007	3,343
Cash & Bank Balances	3,319	3,930	8,282	13,319	17,376
Loans & Advances	5,386	5,578	6,291	6,978	7,758
Other Current Assets	4,243	3,311	3,734	4,142	4,605
Current Liab. & Prov.	73,514	77,768	77,694	78,184	78,311
Current Liabilities	72,884	77,168	77,067	77,520	77,594
Provisions & Others	631	600	627	664	716
Net Current Assets	-58,078	-61,878	-55,858	-49,831	-44,220
Total – Assets	86,483	85,528	90,952	98,596	1,06,412

Source: Company, JM Financial

Source: Company, JM Financial

Cash Flow Statement					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Profit before Tax	-1,982	-439	8,377	12,827	13,852
Depn. & Amort.	7,533	12,193	12,374	11,739	12,355
Net Interest Exp. / Inc. (-)	4,925	6,347	3,648	3,348	5,412
Inc (-) / Dec in WCap.	-1,969	890	-703	-298	-382
Others	130	826	0	0	0
Taxes Paid	1	-27	-2,094	-3,207	-3,463
Operating Cash Flow	8,639	19,790	21,601	24,409	27,774
Capex	-6,360	-6,344	-6,019	-6,222	-6,644
Free Cash Flow	2,280	13,446	15,581	18,187	21,131
Inc (-) / Dec in Investments	0	-161	0	0	0
Others	601	239	2,470	2,557	270
Investing Cash Flow	-5,759	-6,266	-3,549	-3,666	-6,374
Inc / Dec (-) in Capital	305	188	0	0	0
Dividend + Tax thereon	0	0	0	-753	-1,441
Inc / Dec (-) in Loans	1,260	-732	-859	-1,224	-1,132
Others	-8,501	-12,381	-12,841	-13,729	-14,770
Financing Cash Flow	-6,935	-12,925	-13,700	-15,706	-17,343
Inc / Dec (-) in Cash	-4,055	599	4,352	5,038	4,057
Opening Cash Balance	7,374	3,331	3,930	8,282	13,319
Closing Cash Balance	3,319	3,930	8,282	13,319	17,376

Dupont Analysis								
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E			
Net Margin	-8.5%	-0.5%	8.9%	12.2%	11.9%			
Asset Turnover (x)	0.3	0.4	0.4	0.5	0.5			
Leverage Factor (x)	2.5	2.1	2.1	2.0	1.8			
RoE	-7.3%	-0.4%	8.2%	11.4%	11.2%			

Key Ratios					
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
BV/Share (INR)	752.4	751.8	816.2	907.0	998.7
ROIC	8.7%	5.1%	10.4%	13.7%	15.7%
ROE	-7.3%	-0.4%	8.2%	11.4%	11.2%
Net Debt/Equity (x)	0.2	0.2	0.1	0.0	0.0
P/E (x)	-39.8	-394.8	20.1	13.2	12.2
P/B (x)	1.7	1.7	1.6	1.4	1.3
EV/EBITDA (x)	13.5	7.7	5.5	4.6	3.9
EV/Sales (x)	3.8	2.3	1.9	1.6	1.4
Debtor days	18	14	14	14	14
Inventory days	6	4	4	4	4
Creditor days	139	96	96	96	96

Source: Company, JM Financial

History of Recommendation and Target Price			
Date	Recommendation	Target Price	% Chg.
24-Aug-23	Buy	2,270	
20-Oct-23	Buy	2,340	3.1
4-Dec-23	Buy	2,340	0.0
1-Feb-24	Buy	2,250	-3.8



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 1073 | Email: sahil.salastekar@jmfl.com Grievance officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1073 | Email: instcompliance@jmfl.com

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

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, 28th Floor, Office No. 2821, 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 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 loss arising from any use of this research report or the information contained herein.