

# PI Industries

Buy

**Estimate change** TP change Rating change



Bloomberg	PI IN
Equity Shares (m)	152
M.Cap.(INRb)/(USDb)	588.1 / 7.1
52-Week Range (INR)	4010 / 2870
1, 6, 12 Rel. Per (%)	4/14/7
12M Avg Val (INR M)	1149

## Financials & Valuations (INR b)

Tillaticiais & Valuations (IIVIV b)								
Y/E Mar	2023	2024E	2025E					
Sales	64.9	85.2	98.6					
EBITDA	15.4	20.7	24.4					
PAT	12.3	16.0	19.3					
EBITDA (%)	23.8	24.3	24.7					
EPS (INR)	80.9	105.0	126.7					
EPS Gr. (%)	45.7	29.8	20.7					
BV/Sh. (INR)	474	569	684					
Ratios								
Net D/E	(0.4)	(0.3)	(0.4)					
RoE (%)	18.5	20.2	20.2					
RoCE (%)	18.5	20.2	20.2					
Payout (%)	12.4	9.5	9.1					
Valuations								
P/E (x)	47.9	36.9	30.6					
EV/EBITDA (x)	36.8	27.8	23.1					
Div Yield (%)	0.3	0.3	0.3					
FCF Yield (%)	2.0	(0.3)	2.6					
•								

## Shareholding pattern (%)

Jun-23	Mar-23	Jun-22
46.1	46.1	46.7
24.0	24.2	25.9
19.2	18.6	16.0
10.8	11.1	11.4
	46.1 24.0 19.2	46.1 46.1 24.0 24.2 19.2 18.6

Note: FII includes depository receipts

# **CSM** business drives earnings

# **Earnings beat our estimates**

CMP: INR3,876

PI recorded a strong growth in 1QFY24 (revenue up 24% YoY), led by robust growth in the CSM business (revenue up 33% YoY); however, the domestic business again witnessed muted growth (down 13% YoY). EBITDA margin expanded 210bps YoY, led by operating leverage and a favorable product

TP: INR4,560 (+18%)

We maintain our FY24/FY25 earnings estimates. We reiterate our **BUY** rating on the stock with a TP of INR4,560.

# Strong volume growth in CSM drives sales growth

- Revenue of INR19.1b (est. INR19.4b) in 1QFY24, up 24% YoY. EBITDA stood at INR4.7b (est. INR4.5b) up 35% YoY. EBITDA margins expanded 210bp YoY to 24.5% (est. 23.2%); Gross margins: 46.5% (up 270bp YoY); Employee expenses up 100bp YoY to 9.1%; Other expenses down 40bp YoY to 12.9% of sales. Adj. PAT was up 46% YoY to INR3.8b (est. INR3.5b).
- Export (CSM)/domestic agchem revenue grew 33%/declined 13% YoY to INR15.2b/INR3.5b in 1QFY24. Export revenue was driven by strong volume growth of 29% and ~4% from favorable price and currency movements, and a better product mix. Domestic revenues were subdued due to delayed monsoon, leading to a ~13% YoY decline in volume.
- Pharma revenue stood at INR443m, i.e., ~3% of total revenue in 1QFY24 with gross margins at 75%.
- CFO in 1QFY24 stood at INR3b vs. INR1.9b in 1QFY23, while net cash stood at INR28.1b in Jun'23. Net working capital days improved to 83 days as of Jun'23 vs. 102 days as of Jun'22.

## Highlights from the management commentary

- Guidance: The management maintained its revenue growth guidance of 18-20% p.a. for the near term and capex guidance of INR8.5-9.0b in FY24.
- CSM: In this quarter, PI successfully commercialized one molecule and remains on track to meet its annual launch guidance of four to five molecules.
- **Domestic Agri:** PI launched "EKETSU" a 1st 3-way Rice Herbicide Mixture in 1QFY24. The company plans to launch a total of four new products in FY24.
- Pharma: The management plans to double the revenue in the next three to four years with the EBITDA margin ranging between 20% and 24%+. However, margins in FY24 are expected to hover around ~14-15%.

Sumant Kumar - Research Analyst (Sumant.Kumar@MotilalOswal.com)

Research Analyst: Meet Jain (Meet.Jain@MotilalOswal.com) / Omkar Shintre (Omkar.Shintre@MotilalOswal.com)

### Valuation and view

- PI has levers in place to sustain near-term growth momentum, led by: 1) consistent growth momentum in the CSM business, driven by a strong (USD1.8b) order book, the rising pace of commercialization of new molecules, and a sales ramp-up in existing molecules; 2) product launches in the domestic market (one new launch in 1QFY24 and a total four to five in FY24); and 3) the recent acquisition in the pharma API and CDMO segments, which is expected to be one of the key growth pillars for the company in the future. PI will be creating a differentiated position in the pharma sector by leveraging its core competencies.
- We expect a revenue/EBIDTA/adj. PAT CAGR of 23%/26%/25% over FY23-25.
- We maintain our FY24/FY25 EPS estimates and reiterate our **BUY** rating on the stock, valuing it at 36x FY25E EPS to arrive at a TP of INR4,560.

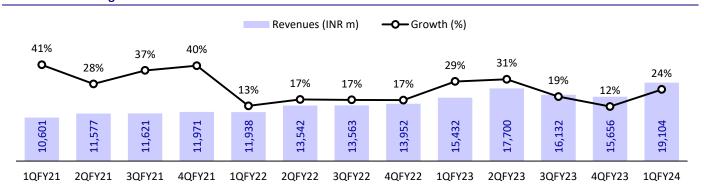
Quarterly Earnings Model											(INRm)
Y/E March		FY	23			FY24E			FY24E	FY24E	Var
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE		1Q	(%)
Net Sales	15,432	17,700	16,132	15,656	19,104	22,820	21,690	21,548	85,162	19,425	-2
YoY Change (%)	29.3	30.7	18.9	12.2	23.8	28.9	34.5	37.6	31.2	25.9	
Total Expenditure	11,976	13,381	11,981	12,228	14,426	17,053	16,384	16,593	64,457	14,922	
EBITDA	3,456	4,319	4,151	3,428	4,678	5,766	5,306	4,955	20,705	4,502	4
Margins (%)	22.4	24.4	25.7	21.9	24.5	25.3	24.5	23.0	24.3	23.2	
Depreciation	560	560	567	577	697	710	760	800	2,967	630	
Interest	36	111	89	33	43	30	20	10	103	14	
Other Income	241	317	502	495	469	270	290	320	1,349	250	
PBT before EO expense	3,101	3,965	3,997	3,313	4,407	5,296	4,816	4,465	18,984	4,108	
Extra-Ord expense	0	0	0	0	0	0	0	0	0	0	
PBT	3,101	3,965	3,997	3,313	4,407	5,296	4,816	4,465	18,984	4,108	
Tax	516	629	484	519	625	900	819	759	3,103	698	
Rate (%)	16.6	15.9	12.1	15.7	14.2	17.0	17.0	17.0	16.3	17.0	
Minority Interest & Profit/Loss of Asso. Cos.	-39	-12	-5	-12	-47	-13	-6	-13	-79	-43	
Reported PAT	2,624	3,348	3,518	2,806	3,829	4,409	4,003	3,719	15,960	3,453	
Adj PAT	2,624	3,348	3,518	2,806	3,829	4,409	4,003	3,719	15,960	3,453	11
YoY Change (%)	40.2	45.8	58.0	37.3	45.9	31.7	13.8	32.5	29.8	31.6	
Margins (%)	17.0	18.9	21.8	17.9	20.0	19.3	18.5	17.3	18.7	17.8	

|--|

Y/E March		FY2	3			FY2	4		FY23	FY24E
Particulars	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE		
CSM Revenue (INRm)	11,421	12,783	13,286	12,814	15,187	15,569	16,417	15,932	50,304	63,104
% Change	41.5	28.7	23.4	15.0	33.0	21.8	23.6	24.3	26.1	25.4
Domestic Formulation (INRm)	4,011	4,917	2,846	2,842	3,474	5,851	3,273	3,268	14,616	15,866
% Change	3.6	36.2	1.6	1.1	-13.4	19.0	15.0	15.0	11.7	8.6
Cost Break-up										
RM Cost (% of sales)	56.2	54.8	52.8	55.2	53.5	54.5	54.5	55.0	54.7	54.4
Staff Cost (% of sales)	8.1	7.6	8.3	8.6	9.1	7.2	7.8	8.0	8.1	8.0
Other Cost (% of sales)	13.4	13.2	13.2	14.3	12.9	13.0	13.2	14.0	13.5	13.3
Gross Margins (%)	43.8	45.2	47.2	44.8	46.5	45.5	45.5	45.0	45.3	45.6
EBITDA Margins (%)	22.4	24.4	25.7	21.9	24.5	25.3	24.5	23.0	23.7	24.3
EBIT Margins (%)	18.8	21.2	22.2	18.2	20.8	22.2	21.0	19.3	20.2	20.8

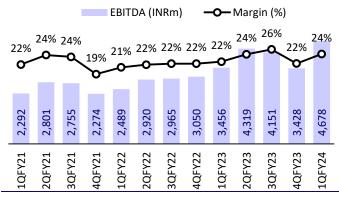
# **Key exhibits**

**Exhibit 1: Revenue growth trend** 



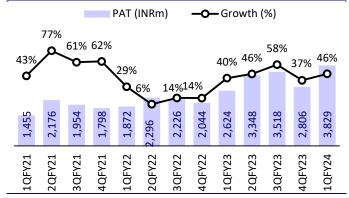
Source: Company, MOFSL

**Exhibit 2: EBITDA trend** 



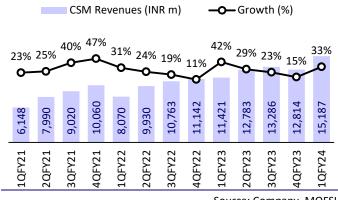
Source: Company, MOFSL

**Exhibit 3: PAT trend** 



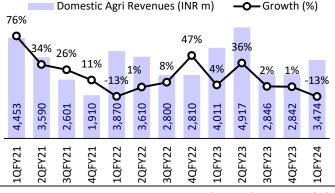
Source: Company, MOFSL

**Exhibit 4: CSM revenue trend** 



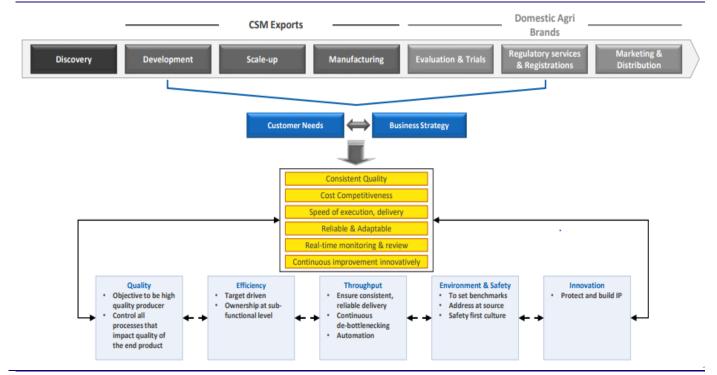
Source: Company, MOFSL

**Exhibit 5: Revenue trend in Agri Inputs** 



Source: Company, MOFSL

Exhibit 6: Presence across the agchem value chain



Source: Company, MOFSL

Exhibit 7: Robust product portfolio for all major crops



Source: Company, MOFSL

10 August 2023



# **Highlights from management interaction**

# **Operational Overview**

Margin improvement this quarter was driven by operating leverage and a better product mix.

- Global crop protection industry is witnessing an inventory glut along with steep price reduction.
- The domestic business was muted, led by the delayed onset of monsoon; however, the company effectively managed the working capital during this period.
- Raw material deflation is not uniform across all products. However, whenever there is substantial change in prices (up or down), the company plans to incorporate these changes in the pricing of the next contract.
- Inventory Situation for CSM: the company does not anticipate any significant challenges for its products. However, there are a few products that show certain indications of challenges. The company's customers are not reporting any notable issues either.
- Inventory Situation for Domestic the company remained cautious in terms of placement. From July onwards, demand is coming out stronger. The company is watchful of the scenario.
- Farmer-level demand remains robust, even for generic products, indicating no demand challenges. The primary challenge arises from channel destocking caused by substantial price reductions resulting from excess inventory.

## Exports (CSM)

- During this quarter, PI successfully introduced a new molecule to the market.
   The company remains on track to achieve its annual guidance of commercializing a total of 4 to 5 new molecules this year.
- Global industry headwinds, particularly in the generic space continues.
- The company holds a cautiously optimistic stance regarding the potential expansion in demand for both its existing and newly commercialized products.
- R&D pipeline progressing well with 4 to 5 products to be commercialized every year.
- Capacity expansion in line with plan, leading to 9.6% enhancement in overall capacity through: 13 Top molecules identified for capacity enhancement; BCT optimized via eliminating stoppages & delays; throughput improvement- batch size & yield improvement.
- The CSM business order book has been maintained at ~USD1.8b, exhibiting good visibility for the future.

# **Domestic Agri inputs**

- From July'23 onwards, positive momentum has built up.
- The company plans to launch four new products in FY24, of which, one has already been launched in 1QFY24
- **Product Launched:** EKETSU 1st 3-way Rice Herbicide Mixture of three proven chemistries to provide maximum weed control efficacy.
- **Biological products** PI will be launching one product this month and one in 3QFY24. The management is seeing good traction from this segment and is

MOTILAL OSWAL

- expecting to grow in doubling digits. This segment is not facing any inventory-related issues as with generics.
- Horticulture-related agricultural chemicals (Agchem) accounted for approximately 30% of the company's domestic revenue. In the broader context of India's Agchem market, horticulture products contribute around 25% of the total market share.

### Pharma:

- PI Health Sciences Ltd. (PIHS) acquired Archimica S.p.A., Italy on 27th April 2023. PIHS also completed the acquisition of Therachem Research Medilab (India & US) and Solis Pharmachem (India) on 2nd June 2023.
- PIHS will combine the acquired businesses' R&D capabilities with the brand-new integrated pharma research centre being developed in IKP Hyderabad for CRO and CDMO offerings.
- One-time integration expense incurred in 1QFY24 is INR120m.
- Pharma Revenue in 1QFY24 stood at INR443m comprising: Archimica S.p.A revenue INR374m (from 27-Apr-23) and Therachem group revenue INR69m (from 2-Jun-23).
- Overheads of INR384m includes one-time acquisition, integration, and initial business set-up expenses.
- Operating loss before working capital changes is INR38m.
- Inventory levels stood at INR1,216m and trade working capital at INR2,242m, net of customer advances.
- Pharma business can do margins of ~20-24%+ in a years' time; however, initially, it will be ~14-15% margins for a year.
- The company wants to double the pharma business revenue in the next three to four years.
- PI will continue to make certain investments in good opportunities.
- The company has planned a capex of ~USD10-12m in Pharma and this is expected to come in at the later part.

### **Guidance:**

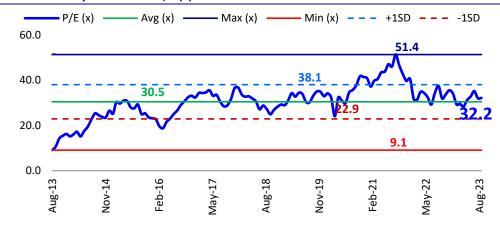
- The management targets 18-20% revenue growth, accompanied by improved margins. The revenue generated from the Pharma segment will be additional to this stated guidance
- Agrochemical Capex will be ~INR8.5-9.0b for FY24.
- There is potential for further improvement in Working Capital Days across certain areas.

# Valuation and view

PI has levers in place to sustain near-term growth momentum, led by: 1) consistent growth momentum in the CSM business, driven by a strong (USD1.8b) order book, the rising pace of commercialization of new molecules, and a sales ramp-up in existing molecules; 2) product launches in the domestic market (one new launch in 1QFY24 and a total four to five in FY24); and 3) the recent acquisition in the pharma API and CDMO segments, which is expected to be one of the key growth pillars for the company in the future. PI will be creating a differentiated position in the pharma sector by leveraging its core competencies.

- We expect a revenue/EBIDTA/adj. PAT CAGR of 23%/26%/25% over FY23-25.
- We maintain our FY24/FY25 EPS estimates and reiterate our **BUY** rating on the stock, valuing it at 36x FY25E EPS to arrive at a TP of INR4,560.

Exhibit 8: One-year forward P/E (x)



Source: MOFSL

**Exhibit 9: Change in estimates** 

<b>Earnings Change</b>	Old		Ne	ew	Change (%)		
(INR m)	FY24E	FY25E	FY24E	FY25E	FY24E	FY25E	
Revenue	86,532	1,00,433	85,162	98,650	-2	-2	
EBITDA	21,050	24,192	20,705	24,396	-2	1	
Adj. PAT	16,230	19,030	15,960	19,259	-2	1	

Source: MOFSL

# **Financials and valuations**

Income Statement (Consolidated)							=1100		(INRm)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Gross Revenue	23,833	23,087	28,409	33,665	45,770	52,995	64,920	85,162	98,650
Excise Duty	1,065	316	0	0	0	0	0	0	0
Net Revenue	22,768	22,771	28,409	33,665	45,770	52,995	64,920	85,162	98,650
Change (%)	8.6	0.0	24.8	18.5	36.0	15.8	22.5	31.2	15.8
Cost of Materials Consumed	11,632	11,690	15,502	18,474	25,712	29,228	35,527	46,327	53,863
% of Sales	51.1	51.3	54.6	54.9	56.2	55.2	54.7	54.4	54.6
Personnel Expenses	2,226	2,432	2,647	3,209	4,169	4,804	5,266	6,810	7,497
% of Sales	9.8	10.7	9.3	9.5	9.1	9.1	8.1	8.0	7.6
Other Expenses	3,378	3,715	4,496	4,804	5,767	7,539	8,706	11,319	12,893
% of Sales	14.8	16.3	15.8	14.3	12.6	14.2	13.4	13.3	13.1
Total Expenditure	17,236	17,837	22,645	26,487	35,648	41,571	49,499	64,457	74,253
% of Sales	75.7	78.3	79.7	78.7	77.9	78.4	76.2	75.7	75.3
EBITDA	5,533	4,934	5,764	7,178	10,122	11,424	15,421	20,705	24,396
Margin (%)	24.3	21.7	20.3	21.3	22.1	21.6	23.8	24.3	24.7
Depreciation	730	830	930	1,367	1,748	2,018	2,265	2,967	3,136
EBIT	4,802	4,104	4,834	5,811	8,374	9,406	13,156	17,738	21,260
Int. and Finance Charges	72	53	50	170	282	128	371	103	30
Other Income	366	603	595	489	1,249	1,014	1,590	1,349	1,874
PBT bef. EO Exp.	5,096	4,653	5,379	6,130	9,341	10,292	14,375	18,984	23,104
EO Items	0	0	0	0	0	0	0	0	0
PBT after EO Exp.	5,096	4,653	5,379	6,130	9,341	10,292	14,375	18,984	23,104
Current Tax	1,035	1,001	1,176	1,259	1,753	1,950	2,592	3,103	3,928
Deferred Tax	-534	-22	101	313	249	-60	-444	0	0
Tax Rate (%)	9.8	21.0	23.7	25.6	21.4	18.4	14.9	16.3	17.0
Less: MI/Profit & Loss of associates	1	-2	0	-8	-44	-36	-68	-79	-83
Reported PAT	4,594	3,676	4,102	4,566	7,383	8,438	12,295	15,960	19,259
Adjusted PAT	4,594	3,676	4,102	4,566	7,383	8,438	12,295	15,960	19,259
Change (%)	47.5	-20.0	11.6	11.3	61.7	14.3	45.7	29.8	20.7
Margin (%)	20.2	16.1	14.4	13.6	16.1	15.9	18.9	18.7	19.5
Balance Sheet (Consolidated)									(INRm)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	138	138	138	138	152.0	152.0	152.0	152.0	152.0
Preference Capital	0	0	0	0	0	0	0	0	0
Total Reserves	16,134	19,111	22,716	26,053	53,272	61,052	71,833	86,273	1,03,784
Net Worth	16,272	19,248	22,854	26,191	53,424	61,204	71,985	86,425	1,03,936
Deferred Liabilities	0	0	0	102	796	875	213	213	213
Total Loans	1,198	834	99	5,077	3,279	2,678	0	0	0
Capital Employed	17,470	20,082	22,953	31,370	57,499	64,757	72,198	86,638	1,04,149
Gross Block	12,942	14,298	17,109	24,366	28,921	34,082	37,877	46,505	51,505
Less: Accum. Deprn.	3,492	4,322	5,252	6,619	8,367	10,385	12,650	15,617	18,753
Net Fixed Assets	9,450	9,977	11,857	17,747	20,554	23,697	25,227	30,889	32,752
Goodwill on Consolidation	0	0	0	0	0	0	0	3,891	4,233
Capital WIP	773	899	1,828	1,828	2,875	1,145	1,324	5,000	3,500
Current Investments	824	1,595	1,119	1,325	8,517	8,547	9,843	10,843	11,843
Total Investments	833	1,607	1,291	1,504	8,724	8,995	10,156	11,156	12,156
Curr. Assets, Loans&Adv.	11,760	13,515	16,431	21,169	37,866	44,074	48,090	53,297	71,878
Inventory	4,320	4,520	5,357	7,989	10,528	14,234	13,976	18,432	21,352
Account Receivables	4,237	5,268	6,618	6,465	7,035	8,687	7,720	12,833	14,865
Cash and Bank Balance	1,326	1,307	892	1,342	14,757	14,102	22,429	14,368	26,783
Loans and Advances	1,877	2,420	3,564	5,373	5,546	7,051	3,965	7,665	8,878
Curr. Liability & Prov.	5,544	6,182	8,595	10,878	12,520	13,154	12,599	17,595	20,370
Account Payables	2,878	3,687	5,130	5,909	7,960	9,242	8,380	11,423	13,281
Other Current Liabilities	2,350	2,155	3,049	4,421	4,008	3,555	3,838	5,791	6,708
Provisions	316	340	416	548	552	357	381	381	381
Net Current Assets	6,216	7,333	7,836	10,291	25,346	30,920	35,491	35,702	51,508
Deferred Tax assets	198	267	141	0	0	0	0	0	0
Appl. of Funds	17,470	20,082	22,953	31,370	57,499	64,757	72,198	86,638	1,04,149

# **Financials and valuations**

Ratios									
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)									
EPS	30.2	24.2	27.0	30.0	48.6	55.5	80.9	105.0	126.7
Cash EPS	35.0	29.6	33.1	39.0	60.1	68.8	95.8	124.5	147.3
BV/Share	107.1	126.6	150.4	172.3	351.5	402.7	473.6	568.6	683.8
DPS	3.6	5.0	3.6	3.6	5.0	5.0	10.0	10.0	11.5
Payout (%)	14.6	25.1	16.4	14.7	10.3	9.0	12.4	9.5	9.1
Valuation (x)									
P/E	128.2	160.3	143.6	129.0	79.8	69.8	47.9	36.9	30.6
Cash P/E	110.7	130.8	117.1	99.3	64.5	56.4	40.5	31.1	26.3
P/BV	36.2	30.6	25.8	22.5	11.0	9.6	8.2	6.8	5.7
EV/Sales	25.9	25.9	20.7	17.6	12.6	10.9	8.7	6.7	5.7
EV/EBITDA	106.5	119.3	102.1	82.6	57.1	50.6	36.8	27.8	23.1
Dividend Yield (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
FCF per share	14.4	10.9	1.7	2.1	18.9	12.7	77.3	-10.2	102.2
Return Ratios (%)									
EBITDA Margins (%)	24.3	21.7	20.3	21.3	22.1	21.6	23.8	24.3	24.7
Net Profit Margins (%)	20.2	16.1	14.4	13.6	16.1	15.9	18.9	18.7	19.5
RoE	32.8	20.7	19.5	18.6	18.5	14.7	18.5	20.2	20.2
RoCE	30.4	19.8	19.2	17.3	17.2	14.1	18.5	20.2	20.2
RoIC	32.3	21.0	20.9	18.9	22.8	21.4	28.4	31.4	30.0
Working Capital Ratios	32.3	21.0	20.5	10.5	22.0	21.7	20.4	31.4	30.0
Fixed Asset Turnover (x)	1.8	1.6	1.7	1.4	1.6	1.6	1.7	1.8	2
Asset Turnover (x)	1.3	1.1	1.2	1.1	0.8	0.8	0.9	1.0	0.9
Inventory (Days)	69	72	69	87	84	98	79	79	79
Debtor (Days)	65	83	85	70	56	60	43	55	55
Creditor (Days)	90	115	121	117	113	115	86	90	90
	78	97	89	97	84	116	73	91	91
Working Cap. Turnover (Days)	/8	97	89	97	84	110	/3	91	91
Leverage Ratio (x) Current Ratio	2.1	2.2	1.9	1.9	3.0	3.4	3.8	3.0	3.5
Interest Cover Ratio	67	77	97	34	30	73	35	3.0	3.3
	0.1		0.0				0.0	0.0	0.0
Debt/Equity	0.1	0.04	0.0	0.2	0.1	0.0	0.0	0.0	0.0
Cash Flow Statement (Consolidated)									(INRm)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	5,095	4,655	5,379	6,138	9,385	10,328	14,443	18,984	23,104
Depreciation	730	830	930	1,367	1,748	2,018	2,265	2,967	3,136
Interest & Finance Charges	72	53	50	170	282	128	371	103	30
Direct Taxes Paid	-1,212	-963	-1,183	-1,048	-1,647	-1,751	-2,558	-3,103	-3,928
(Inc)/Dec in WC	-1,234	-1,045	-1,503	255	-1,303	-5,276	2,050	-8,272	-3,390
CF from Operations	3,451	3,530	3,673	6,882	8,465	5,447	16,571	10,679	18,953
Others	-63	-336	235	99	-1,216	-160	-1,557	79	83
CF from Operating incl EO	3,388	3,194	3,908	6,981	7,249	5,287	15,014	10,758	19,035
(inc)/dec in FA	-1,413	-1,696	-3,677	-6,693	-4,375	-3,362	-3,263	-12,305	-3,500
Free Cash Flow	1,976	1,498	231	288	2,874	1,925	11,751	-1,547	15,535
(Pur)/Sale of Investments	-1,090	-375	427	1,014	-5,516	39	-941	-4,891	-1,342
Others	151	266	34	-4,170	-14,413	2,219	-758	0	0
CF from Investments	-2,351	-1,805	-3,216	-9,849	-24,304	-1,104	-4,962	-17,196	-4,842
Inc/(Dec) in Debt	-2,331	-365	-3,210	4,562	-1,786	-720	-2,669	-17,190	- <del></del> ,0 <del></del> 2
Interest Paid	-72	-505	-599	-179	-1,786	-720	-2,669	-103	-30
Dividend Paid	-248	-662		-748	-607				
			-831 172			-758	-1,137	-1,520	-1,748
Others	297	-329	173	-317	13,371	-3,275	2,423	1 633	1 779
CF from Fin. Activity	-271	-1,409	-1,107	3,318	30,470	-4,838	-1,725	-1,623	-1,778
Inc/Dec of Cash	766	-20	-415	450	13,415	-655	8,327	-8,061	12,416
Opening Balance	560	1,326	1,307	892	1,342	14,757	14,102	22,429	14,368
Closing Balance	1,326	1,307	892	1,342	14,757	14,102	22,429	14,368	26,783

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

# NOTES

Explanation of Investment Rating						
Investment Rating	Expected return (over 12-month)					
BUY	>=15%					
SELL	<-10%					
NEUTRAL	< - 10 % to 15%					
UNDER REVIEW	Rating may undergo a change					
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation					

\*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at

http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (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) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nse from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

#### Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

#### For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the "1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered brokerdealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

#### For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ("MOCMSPL") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

- Specific Disclosures
  1 MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- MOFSL, Research Analyst and/or his relatives does not nave innancial interest in the subject company, as they do not nave equity notings in the subject company MOFSL, Research Analyst and/or his relatives on to have actual/beneficial ownership of 1% or more securities in the subject company MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report Research Analyst has not served as director/officer/employee in the subject company at the time of publication of research report Research Analyst has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months MOFSL has not received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months MOFSL has not received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months

- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months MOFSL has not received any compensation or other benefits from third party in connection with the research report MOFSL has not engaged in market making activity for the subject company

11 10 August 2023

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 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) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, it does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

#### **Analyst Certification**

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

#### Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

#### Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. 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 MOFSL 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 certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

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

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai-400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085. Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products.

Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.