

Privi Speciality Chemicals

Estimate change	↔
TP change	↔
Rating change	↔

Bloomberg	PRIVISCL IN
Equity Shares (m)	39
M.Cap.(INRb)/(USDb)	141.8 / 1.5
52-Week Range (INR)	3785 / 2173
1, 6, 12 Rel. Per (%)	-4/33/44
12M Avg Val (INR M)	405

Financials & Valuations (INR b)

Y/E Mar	FY26	FY27E	FY28E
Sales	25.6	30.6	40.0
EBITDA	6.5	7.7	10.6
PAT	3.3	4.2	6.0
EBITDA %	25.3	25.2	26.4
EPS (INR)	84.6	107.3	148.1
EPS Gr. (%)	76.7	26.8	38.0
BV/Sh. (INR)	361.6	468.9	730.5

Ratios

Net D:E	0.7	0.6	0.3
RoE (%)	26.3	25.8	25.1
RoCE (%)	15.3	16.5	18.1

Valuations

P/E (x)	42.7	33.6	24.4
P/BV (x)	10.0	7.7	4.9
EV/EBITDA (x)	23.2	19.6	14.8
FCF per share	58.9	(18.0)	(74.5)

Shareholding Pattern (%)

As of	Jun-26	Mar-26	Jun-25
Promoter	60.6	60.6	69.9
DII	10.1	10.7	3.9
FII	1.9	1.4	1.5
Others	27.4	27.4	24.7

Note: FII includes depository receipts

CMP: INR3630 TP: INR4400 (+21%) Buy

Growth momentum continues, fueled by healthy demand

Earnings in line

- Privi Speciality Chemicals (PRIVI) delivered a healthy revenue growth of 19% YoY to INR1.5b in 1QFY27, driven by healthy volume and realizations. Despite volatility in input costs, EBITDA grew 15% YoY to INR1.5b and margins were supported by lower other operating expenses, driven by efficiency initiatives and stringent cost controls.
- The company's growth outlook remains positive, led by global tailwinds and healthy demand visibility in the flavor and fragrance industry (China + 1 strategy), and supported by strong capacity expansion plans in existing and new products. Further, PRIVI has maintained its guidance of achieving INR50b/INR10b in revenue/EBITDA over the next 3-4 years (with a revenue growth guidance of 20% CAGR and similar EBITDA margins).
- We largely maintain our FY27/FY28 EPS estimates and reiterate our BUY rating with a TP of **INR4,400 (based on 30x FY28E EPS)**.

Healthy earnings growth despite margin pressure

- Consolidated revenue grew 19% YoY to INR6.7b (est. in line). Gross Margins contracted 650bp YoY to 44%
- EBITDA grew 15% YoY to INR1.5b (est. INR1.6b). EBITDA margin contracted 70bp YoY to 22.9% (est. 25.0%), led by lower gross margin. This was partially offset by lower other expenses as a % of sales (down 530bp).
- Adj. PAT grew 36% YoY to INR842m (in line).
- One of the company's export consignments, valued at INR27.8m, caught fire at a CFS warehouse near JNPT. The company has filed an insurance claim and expects to recover the loss in full.
- The working capital cycle improved to 108 days compared with 141 days YoY.

Highlights from the management commentary

- Maltol and Ethyl Maltol:** Privi aims to leverage the China+1 opportunity in maltol and ethyl maltol, with over 90–95% of global production currently concentrated in China. The company plans to establish India as an alternative manufacturing hub by becoming the only globally integrated player with a corn cob → furfural → maltol/ethyl maltol value chain, aided by superior technology, lower costs, and supply chain advantages. The strategy is aligned with its existing waste-to-value approach using CST-based products.
- Strategic alliance:** PRIGIV generated INR180m revenue with an EBITDA margin of 14–15%. Products manufactured through PRIGIV will be exclusively supplied to Givaudan. Further, the company is evaluating other strategic alliance opportunities, with two partnerships currently under discussion.
- Capex:** Capacity expansion is progressing as planned, with Phase 1 expected to increase capacity from 48k MT to 54k MT by Sept'26, followed by an additional 12k MT under Phase 2 by Sept'27. Phase 2 and Phase 3 projects are on track, with Phase 2 capex already initiated. This is expected to require INR9b capex over the next 2–3 years (for both Phase 2 and 3).

Research Analyst: **Sumant Kumar** (Sumant.Kumar@MotilalOswal.com) | **Yash Darak** (Yash.darak@MotilalOswal.com)

Research Analyst: **Swapnil Upadhyay** (Swapnil.Upadhyay@MotilalOswal.com) | **Nirvik Saini** (Nirvik.Saini@MotilalOswal.com)

Investors are advised to refer through important disclosures made at the last page of the Research Report.

Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

Valuation and view

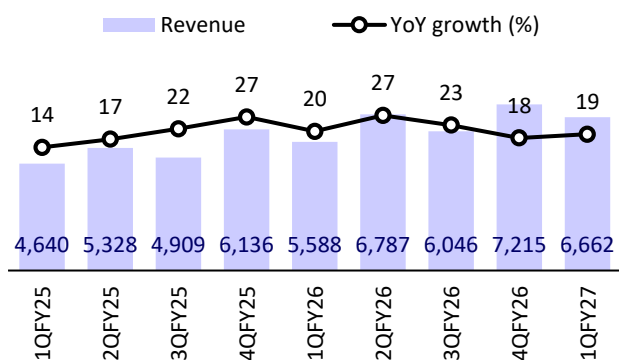
- Going forward, PRIVI's growth trajectory is expected to be driven by multiple levers, including 1) capacity expansion across both existing and new products to cater to rising demand, 2) backward integration initiatives aimed at improving cost efficiencies and supply security, 3) entry into the biomass segment to tap emerging biotech opportunities, 4) increasing traction and scale-up in Prigiv, and 5) the proposed amalgamation with PFSPL and PBPL, which is expected to simplify the group structure and enhance operational synergies.
- **We build in a CAGR of 25%/28%/36% in revenue/EBITDA/adj. PAT over FY26-28E. We largely maintain our FY27/FY28 EPS estimates and reiterate our BUY rating with a TP of INR4,400 (based on 30x FY28E EPS).**

Consolidated - Quarterly Snapshot

Y/E March	(INR m)											
	FY26				FY27E				FY26	FY27E	FY27E	Var
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			1Q	%
Gross Sales	5,588	6,787	6,046	7,215	6,662	7,602	7,679	8,671	25,637	30,614	6,594	1
YoY Change (%)	20%	27%	23%	18%	19%	12%	27%	20%	22%	19%	18.0	
Total Expenditure	4,267	4,967	4,494	5,413	5,140	5,588	5,685	6,471	19,141	22,884	10,853	
Gross Margin (%)	50.7%	50.7%	50.1%	43.8%	44.2%	48.0%	48.0%	47.0%	48.6%	46.9%	49.0%	
EBITDA	1,321	1,820	1,552	1,802	1,523	2,013	1,994	2,200	6,496	7,729	1,645	-7
Margin (%)	23.6	26.8	25.7	25.0	22.9	26.5	26.0	25.4	25.3	25.2	25.0	
Depreciation	362	356	355	365	374	395	415	509	1,438	1,692	380	
Interest	237	215	186	182	167	165	160	155	820	647	180	
Other Income	90	1	65	42	152	20	20	20	198	212	20	
PBT before EO expense	812	1,251	1,077	1,297	1,134	1,473	1,439	1,556	4,436	5,602	1,105	
Extra-Ord expense	0	0	39	0	0	0	0	0	39	0	0	
PBT	812	1,251	1,038	1,297	1,134	1,473	1,439	1,556	4,397	5,602	1,105	
Tax	236	349	289	356	305	371	362	372	1,230	1,410	278	
Rate (%)	29.1	27.9	27.9	27.4	26.9	25.2	25.2	23.9	28.0	25.2	25.2	
MI & Profit/Loss of Asso. Cos.	-44	-37	-31	4	-14	5	5	5	-108	1	5	
Reported PAT	619	939	780	937	842	1,098	1,072	1,179	3,275	4,190	822	
Adj. PAT	619	939	809	937	842	1,098	1,072	1,179	3,305	4,190	822	2
YoY Change (%)	97.4	109.1	82.1	40.8	36.0	16.9	32.4	25.8	76.5	26.8	-75.1	
Margin (%)	11.1	13.8	13.4	13.0	12.6	14.4	14.0	13.6	12.9	13.7	12.5	
Growth (%)	97.4	109.1	82.1	40.8	36.0	16.9	32.4	25.8	76.5	26.8	32.7	

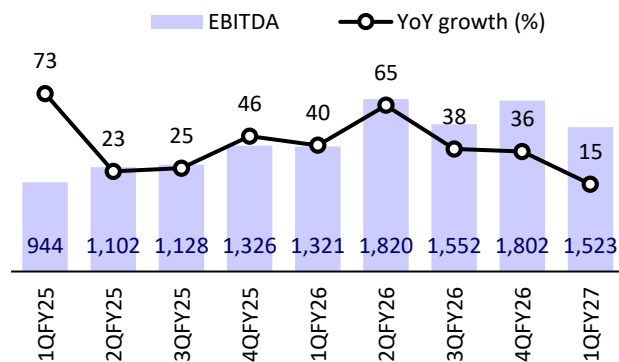
Key Exhibits

Exhibit 1: Consolidated revenue trend



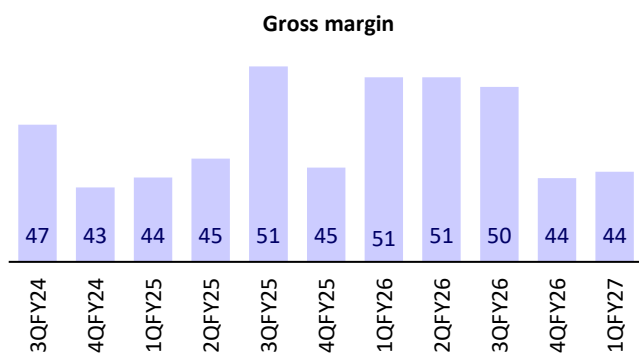
Source: Company, MOFSL

Exhibit 2: Consolidated EBITDA trend



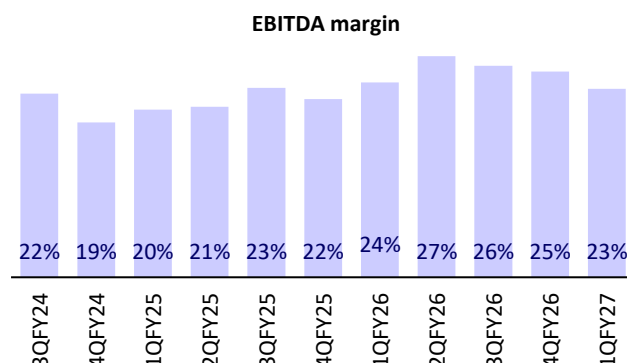
Source: Company, MOFSL

Exhibit 3: Gross margin trend



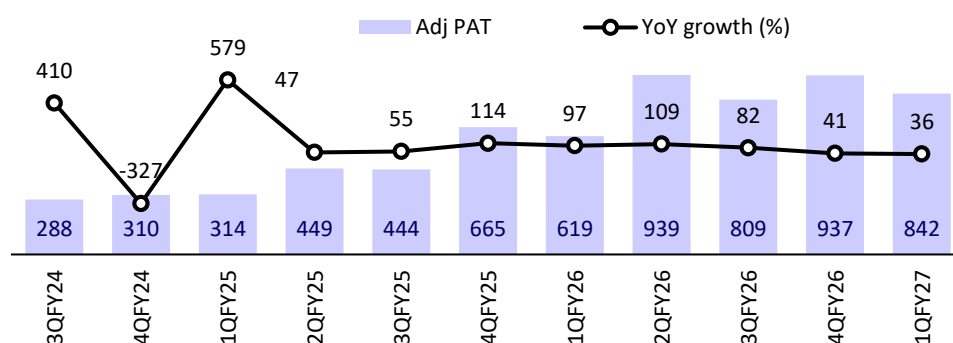
Source: Company, MOFSL

Exhibit 4: EBITDA margin trend



Source: Company, MOFSL

Exhibit 5: Adj. profit trend



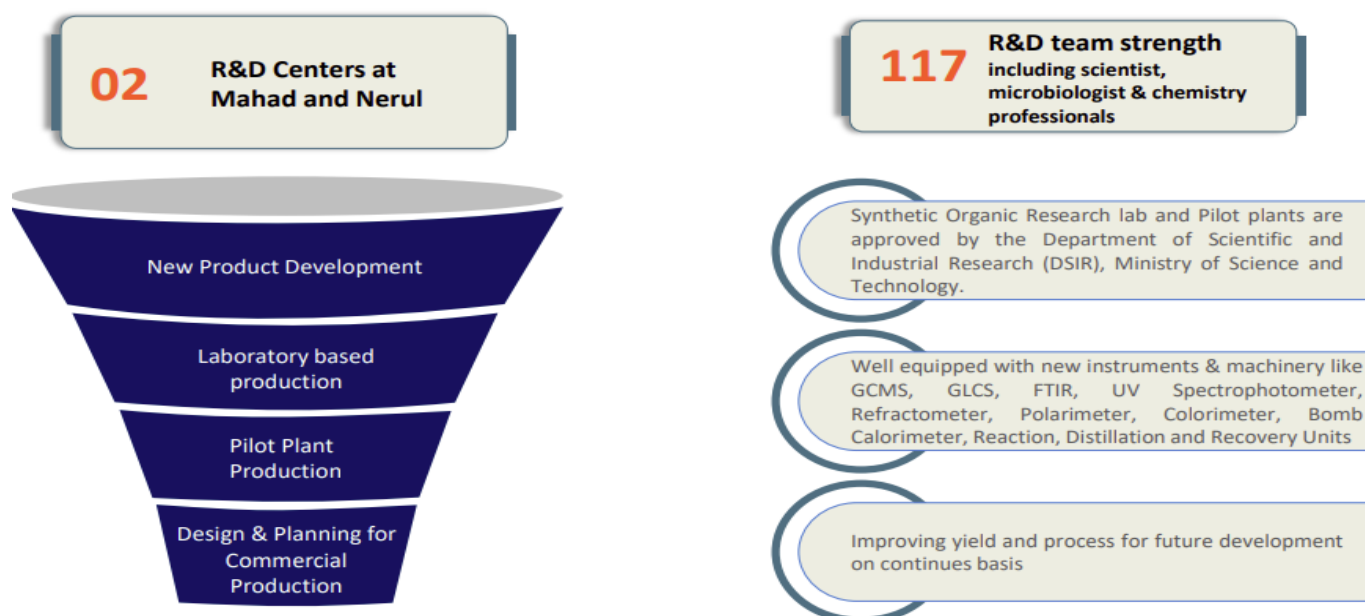
Source: Company, MOFSL

Exhibit 1: The company is marching toward its guidance



Source: Company, MOFSL

Exhibit 2: High R&D focus to improve products and processes



Source: Company, MOFSL



Key highlights from the management commentary

Capex

- Capacity expansion is progressing as planned. Phase 1: Capacity expected to increase from 48k MT to 54k MT by Sept'26. Phase 2: Additional 12k MT capacity targeted by Sept'27.
- Phase 2 and Phase 3 projects are progressing as per schedule.
- Phase 2 capex has already commenced.
- Capex is primarily funded through internal accruals, followed by bank borrowings at competitive rates.
- Management remains focused on maintaining prudent debt levels.
- Planned capex of approximately INR9b over the next 2–3 years.

Operations

- One of the company's export consignments, valued at INR27.8m, was damaged in a fire at a CFS warehouse near JNPT. The company has filed an insurance claim and expects to recover the loss.
- The business has remained resilient despite challenging global macroeconomic conditions. A diversified geographic presence has helped maintain stability across markets.
- The company has not faced any operational or supply chain disruptions, highlighting the structural strength of its business.
- New products are expected to expand the addressable market, strengthen customer relationships, and contribute meaningfully to future growth.
- Expansion projects are progressing as planned and are expected to commence commercial operations in 2HCY28.
- Supported by a strong balance sheet, healthy cash flows, and a well-defined strategic roadmap, the company remains well positioned for future growth.
- Input costs remained volatile; however, the company continues to focus on:
- Improving utilization levels, Cost reduction initiatives, and Better product mix.
- RM cost as a percentage of sales is expected to remain in the range of 52–54%, primarily impacted by GTO price volatility.
- Company manufactures 75+ products using ~60 different raw materials, providing diversification.
- EBITDA margins are expected to improve towards 25%+ (including other income).
- Alpha pinene prices have increased significantly and are currently at historical highs; however, the company has been able to pass on higher costs to customers.

Biomass

- Progressing well on conversion of biomass into patented products.
- Multiple patents have been filed.
- A demonstration plant is being established to process ~2 tons of biomass per day, enabling validation and subsequent scale-up.

Merger

- Merger process continues to progress as planned and is expected to be completed in FY27.
- Scheme has already been filed with the NCLT.
- Company is currently not pursuing backward integration in PFS.
- Backward integration opportunities will be evaluated once PFS becomes part of the Privi portfolio.

Continuous chemistry

- Existing molecules typically involve 3–4 reaction steps, with some steps already converted to continuous processes.
- Most distillation processes have already moved to continuous operations.
- The company is evaluating continuous manufacturing for upcoming projects wherever technically feasible.
- Large-scale molecules are being designed with continuous manufacturing capabilities.
- Certain specialty molecules will continue to be manufactured through batch processes due to process requirements.

Guidance

- Management reiterated its long-term guidance of achieving INR50b revenue and INR10b EBITDA over the next 3–4 years, with revenue growth expected at around 20% CAGR while maintaining EBITDA margins at similar levels.
- The company has made no changes to its existing guidance.

Maltol and Ethyl Maltol

- Over 90–95% of global maltol and ethyl maltol production is concentrated in China, creating a significant China+1 opportunity for Privi.
- Ethyl Maltol is primarily used as a pharmaceutical intermediate, with India currently importing substantial quantities.
- Maltol is used as a flavoring ingredient across products such as chocolates, biscuits and dairy-flavored foods.
- Privi aims to establish India as an alternative manufacturing hub for these products.
- Privi aims to become the only globally integrated player with a complete value chain of corn cob → furfural → maltol/ethyl maltol.
- While several companies manufacture furfural from corn cob and Chinese players produce downstream maltol products, Privi's differentiation lies in: Complete backward integration, Superior furfural production technology, Lower manufacturing costs, and enhanced supply chain efficiency.
- The strategy aligns with Privi's existing waste-to-value approach using CST-based products.
- Ethyl Maltol is to be used for pharma and, being an intermediate, currently does not require any additional regulatory approvals. For maltol, it is being designed as per GMP standards. The company will be getting good manufacturing practices certification to sell those products because it is a flavor.

Others

- Most players manufacture camphor using GTO, which remains a volatile raw material. Privi manufactures camphor using CST, providing a differentiated sourcing advantage. Camphor contributes around 4–5% of total revenue.
- PRIGIV generated INR180m revenue with an EBITDA margin of 14–15%. The company is evaluating strategic alliance opportunities, with two partnerships currently under discussion. Products manufactured through PRIGIV will be exclusively supplied to Givaudan.
- Geopolitical developments have had a limited impact on the company's raw material availability, supported by its diversified sourcing capabilities. Additionally, Privi has limited exposure to crude-linked raw materials, reducing the impact of crude price volatility on its operations.

Valuation and view

- Going forward, PRIVI's growth trajectory is expected to be driven by multiple levers, including 1) capacity expansion across both existing and new products to cater to rising demand, 2) backward integration initiatives aimed at improving cost efficiencies and supply security, 3) entry into the biomass segment to tap emerging biotech opportunities, 4) increasing traction and scale-up in Prigiv, and 5) the proposed amalgamation with PFSPL and PBPL, which is expected to simplify the group structure and enhance operational synergies.
- **We build in a CAGR of 25%/28%/36% in revenue/EBITDA/adj. PAT over FY26-28E. We largely maintain our FY27/FY28 EPS estimates and reiterate our BUY rating with a TP of INR4,400 (based on 30x FY28E EPS).**

Exhibit 3: Revisions to our estimates

Earnings change (INR m)	Old		New		Change	
	FY27E	FY28E	FY27E	FY28E	FY27E	FY28E
Revenue	30,614	40,014	30,614	40,014	0%	0%
EBITDA	7,949	10,564	7,729	10,564	-3%	0%
Adj. PAT	4,194	6,022	4,190	6,040	0%	0%
EPS	107	148	107	148	0%	0%

Source: MOFSL

Financials and valuations

Income Statement							(INRm)	
Y/E March	FY21	FY22	FY23	FY24	FY25	FY26	FY27E	FY28E
Total Income from Operations	12,766	14,037	16,078	17,522	21,012	25,637	30,614	40,014
Change (%)	-3.6	10.0	14.5	9.0	19.9	22.0	19.4	30.7
Raw Materials	7,511	8,310	9,610	10,094	11,315	13,171	16,258	20,807
Power and fuel	704	1,003	1,472	1,383	1,533	1,737	2,136	2,801
Employees Cost	699	767	797	727	865	1,108	1,229	1,441
Other Expenses	1,776	2,020	2,340	2,069	2,799	3,125	3,262	4,402
Total Expenditure	10,690	12,099	14,219	14,273	16,512	19,141	22,884	29,451
Gross profit	5,255	5,728	6,468	7,429	9,697	12,466	14,356	19,207
Gross Margin (%)	41.2	40.8	40.2	42.4	46.1	48.6	46.9	48.0
EBITDA	2,076	1,938	1,859	3,250	4,500	6,496	7,729	10,564
Margin (%)	16.3	13.8	11.6	18.5	21.4	25.3	25.2	26.4
Depreciation	710	747	1,085	1,234	1,318	1,438	1,692	2,031
EBIT	1,366	1,192	774	2,015	3,182	5,058	6,037	8,533
Int. and Finance Charges	214	241	678	979	879	820	647	564
Other Income	200	324	214	263	242	198	212	105
PBT bef. EO Exp.	1,351	1,275	310	1,299	2,545	4,436	5,602	8,074
EO Items	231	53	0	0	0	39	0	0
PBT after EO Exp.	1,582	1,328	310	1,299	2,545	4,397	5,602	8,074
Total Tax	413	354	98	345	698	1,230	1,410	2,032
Tax Rate (%)	26.1	26.6	31.5	26.5	27.4	28.0	25.2	25.2
Minority Interest	0	0	-9	5	-22	-108	1	1
Reported PAT	1,169	974	222	949	1,870	3,275	4,190	6,040
Adjusted PAT	938	921	222	949	1,870	3,305	4,190	6,040
Change (%)	-18.9	-1.8	-75.9	327.2	97.0	76.7	26.8	44.1
Margin (%)	7.3	6.6	1.4	5.4	8.9	12.9	13.7	15.1

Consolidated - Balance Sheet							(INRm)	
Y/E March	FY21	FY22	FY23	FY24	FY25	FY26	FY27E	FY28E
Equity Share Capital	391	391	391	391	391	391	391	408
Eq. Share Warrants & App. Money								
Preference Capital								
Total Reserves	6,835	7,732	7,900	8,853	10,644	13,734	17,924	29,395
Net Worth	7,225	8,123	8,291	9,244	11,034	14,124	18,315	29,803
Minority Interest	0	74	64	167	145	282	283	284
Total Loans	5,021	9,330	10,793	10,082	11,428	10,213	11,213	10,213
Deferred Tax Liabilities	133	133	198	232	241	227	227	227
Capital Employed	12,378	17,659	19,347	19,725	22,849	24,846	30,037	40,527
Gross Block	9,601	11,476	15,648	17,168	19,766	21,190	27,167	30,667
Less: Accum. Deprn.	3,621	4,346	5,425	6,723	8,067	9,505	11,197	13,228
Net Fixed Assets	5,980	7,130	10,222	10,445	11,699	11,685	15,969	17,439
Goodwill on Consolidation	0	0	0	0	0	0	0	0
Capital WIP	1,744	3,636	946	887	1,275	2,976	2,500	1,500
Total Investments	0	120	67	403	84	545	545	5,993
Curr. Assets, Loans&Adv.	7,678	10,875	12,675	11,690	14,848	16,492	19,206	26,291
Inventory	3,425	6,163	7,994	6,594	7,884	8,261	9,864	12,893
Account Receivables	2,390	2,650	2,956	3,475	3,941	5,260	6,281	8,210
Cash and Bank Balance	197	374	250	288	502	695	343	1,186
Loans and Advances	1,665	1,688	1,475	1,333	2,520	2,276	2,717	4,001
Curr. Liability & Prov.	3,024	4,102	4,565	3,700	5,056	6,853	8,183	10,696
Account Payables	1,674	3,058	2,939	2,825	4,023	5,274	6,298	8,232
Other Current Liabilities	1,189	854	1,426	663	759	1,210	1,444	1,888
Provisions	160	190	199	212	275	369	441	576
Net Current Assets	4,654	6,773	8,111	7,989	9,791	9,639	11,023	15,595
Misc Expenditure	0	0	0	0	0	0	0	0
Appl. of Funds	12,378	17,659	19,347	19,725	22,849	24,846	30,037	40,527

Financials and valuations

Ratios

Y/E March	FY21	FY22	FY23	FY24	FY25	FY26	FY27E	FY28E
Basic (INR)								
EPS	24.0	23.6	5.7	24.3	47.9	84.6	107.3	148.1
EPS Growth (%)	-18.9	-1.8	-75.9	327.2	97.0	76.7	26.8	38.0
Cash EPS	42.2	42.7	33.5	55.9	81.6	121.4	150.6	197.8
BV/Share	185.0	207.9	212.2	236.6	282.5	361.6	468.9	730.5
DPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Payout (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valuation (x)								
P/E	150	153	635	149	75	43	34	24
Cash P/E	86	85	108	65	44	30	24	18
P/BV	20	17	17	15	13	10	8	5
EV/Sales	11	11	9	9	7	6	5	4
EV/EBITDA	70	77	81	46	34	23	20	15
Dividend Yield (%)	0	0	0	0	0	0	0	0
FCF per share	-24	-78	-23	54	-4	59	-18	-75
Return Ratios (%)								
RoE	14	12	3	11	18	26	26	25
RoCE	9	6	3	8	11	15	16	18
RoIC	10	7	3	8	12	18	19	22
Working Capital Ratios								
Fixed Asset Turnover (x)	2.1	2.1	1.9	1.7	1.9	2.2	2.2	2.4
Asset Turnover (x)	1.0	0.8	0.8	0.9	0.9	1.0	1.0	1.0
Inventory (Days)	98	160	181	137	137	118	118	118
Debtor (Days)	68	69	67	72	68	75	75	75
Creditor (Days)	48	80	67	59	70	75	75	75
Leverage Ratio (x)								
Current Ratio	2.5	2.7	2.8	3.2	2.9	2.4	2.3	2.5
Interest Cover Ratio	6.4	4.9	1.1	2.1	3.6	6.2	9.3	15.1
Net Debt/Equity	0.7	1.1	1.3	1.1	1.0	0.7	0.6	0.3

Consolidated - Cash Flow Statement

Y/E March	FY21	FY22	FY23	FY24	FY25	FY26	FY27E	FY28E
(INRm)								
OP/(Loss) before Tax	1,582	1,328	310	1,299	2,545	4,397	5,602	8,074
Depreciation	710	747	1,085	1,234	1,318	1,358	1,692	2,031
Interest Expenses	214	241	678	979	879	820	647	564
Others	127	-1	90	-116	162	183	0	0
Direct Taxes Paid	-397	-327	-139	-259	-707	-1,163	-1,410	-2,032
(Inc)/Dec in WC	-743	-1,939	-1,537	407	-1,386	-93	-1,736	-3,729
CF from Operations	1,493	47	488	3,545	2,811	5,501	4,795	4,907
CF from Operating incl EO								
(Inc)/Dec in FA	-2,428	-3,085	-1,396	-1,423	-2,985	-3,200	-5,500	-7,948
Free Cash Flow	-935	-3,038	-909	2,122	-173	2,301	-705	-3,041
Change in Investments	8	-123	62	-383	26	-460	0	5,448
Others	5	3	3	3	19	80	0	0
CF from Investments	-2,415	-3,205	-1,332	-1,803	-2,940	-3,581	-5,500	-2,500
Issue of Shares	0	0	0	0	0	245	0	0
Inc/(Dec) in Debt	531	761	643	751	603	-1,128	1,000	-1,000
Interest Paid	-218	-344	-667	-948	-856	-797	-647	-564
Dividend Paid	-59	-78	-78	0	-78	-195	0	0
Others	-25	2,990	825	-1,510	717	-101	0	0
CF from Fin. Activity	229	3,329	723	-1,706	386	-1,977	353	-1,564
Inc/Dec of Cash	-693	172	-121	35	258	-57	-352	843
Opening Balance	849	154	325	204	240	497	695	343
Bank balance and other items	41	47	46	48	4	255	0	0
Closing Balance	197	374	250	288	502	695	343	1,186

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.

Disclosures

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 and BSE enlistment no. 5028. 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 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 and is a member of Association of Portfolio Managers in India (APMI) for distribution of PMS products. Details of associate entities of Motilal Oswal Financial Services Ltd. are available on the website at <http://online.motilaloswal.com/Dormant/documents/Associate%20Details.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 website at <https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx>. As per Regulatory requirements, Research Audit Report is uploaded on www.motilaloswal.com > MOFSL-Important Links > MOFSL Research Analyst Compliance Audit Report.

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated 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.

For Hong Kong:

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 broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

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") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL.

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani

Email: nainesh.rajani@motilaloswal.com

Contact: (+65) 8328 0276

Specific Disclosures

- Research Analyst and/or his/her relatives do not have a financial interest in the subject company(ies), as they do not have equity holdings in the subject company(ies). MOFSL has financial interest in the subject company(ies) at the end of the week immediately preceding the date of publication of the Research Report: Yes.
Nature of Financial interest is holding equity shares or derivatives of the subject company
- Research Analyst and/or his/her relatives do not have actual/beneficial ownership of 1% or more securities in the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report.
MOFSL has actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report: No
- Research Analyst and/or his/her relatives have not received compensation/other benefits from the subject company(ies) in the past 12 months.
MOFSL may have received compensation from the subject company(ies) in the past 12 months.
- Research Analyst and/or his/her relatives do not have material conflict of interest in the subject company at the time of publication of research report.
MOFSL does not have material conflict of interest in the subject company at the time of publication of research report.
- Research Analyst has not served as an officer, director or employee of subject company(ies).
- MOFSL 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(ies) in the past 12 months.
- MOFSL may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company(ies) in the past 12 months.
- MOFSL may have received compensation or other benefits from the subject company(ies) or third party in connection with the research report.
- MOFSL has not engaged in market making activity for the subject company.

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.

This report is meant for the clients of Motilal Oswal only.

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

Registration granted by SEBI, enlistment as RA with Exchange 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
Mr. Neeraj Agarwal	022 40548085	na@motilaloswal.com
Mr. Siddhartha Khemka	022 50362452	po.research@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, BSE enlistment no. 5028, AMFI registered Mutual Fund Distributor and SIF Distributor: ARN : 146822. IRDA Corporate Agent – CA0579, APMI: APRN00233. 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 dp@motilaloswal.com.