

Growth positivity sustains; strengthening the core

We interacted with Mr. Karthik Yathindra, CEO of Page Industries (PAGE), to discuss consumption trends in the innerwear segment, growth strategy, distribution expansion, category opportunities, and the company's profitability outlook.

- PAGE's growth strategy remains anchored on strengthening its leadership in men's innerwear while accelerating growth in underpenetrated categories such as women's innerwear and athleisure. The company currently has ~20% penetration of the men's innerwear TAM, while penetration in women's innerwear stands at just 7-8%, providing significant headroom for further growth. Management expects women's innerwear and athleisure to outpace the overall business, supported by their lower existing base. PAGE is also expanding its athleisure offering through accessible, differentiated products and youth-focused initiatives such as JKY Groove.
- Recent demand trends continue to show sequential improvement. While Tier 2/Tier 3 markets continue to outperform metros, the metros and Tier 1 markets have also improved meaningfully versus last year. PAGE's revenue base is currently split ~40% across Metro/Tier 1 and ~60% in Tier 2/Tier 3 markets.
- The 1QFY27 volume impact was largely a reporting-timing issue, with a four-day delivery delay affecting reported volume growth by ~4%. Management clarified that underlying tertiary performance and distributor-level secondary sales remain on track with its annual plan.
- PAGE continues to gain from narrowing price differentials vs value brands. It has refrained from its historical 3-3.5% annual price increases for the last four years, resulting in a 17-18% reduction in relative pricing. This has narrowed the price gap between Jockey and economy brands from 30-35% to 20-25%.
- Distribution remains a key growth driver, with PAGE operating 1,600+ EBOs and targeting 120-150 new stores annually over the next 3-5 years. Of the 150 EBOs added last year, 70 were in first-time EBO towns. The company is also adding 8,000-10,000 net new outlets annually and has established a dedicated rural vertical to deepen penetration in smaller towns.
- Women's innerwear and athleisure remain key growth opportunities, supported by lower penetration and greater headroom. Smaller categories such as socks, handkerchiefs, and towels are also growing at high rates, albeit from a small base. PAGE continues to refresh its portfolio through an annual review of products.
- The company is expanding its international presence with a full-fledged GCC entry in 2Q-3QFY27, leveraging its existing manufacturing and product backend. Through its global licensee network, PAGE also gains ~12 months of advance visibility into market trends, enabling it to effectively adapt its international products and market strategies.
- Management is targeting double-digit volume growth and mid-teens value growth for the full year FY27, while maintaining operating margins within the sustainable 19-21% range. The ramp-up of the Odisha facility is currently resulting in temporary unabsorbed overheads, with stable operations and cost benefits expected from January 2028.
- The company maintains its FY27 target of double-digit volume growth and mid-teens revenue growth. The trade-related impact on 1Q volume growth is expected to be recouped, with management remaining positive about delivering growth in the coming quarters. The ~2% May price hike will fully reflect from 2QFY27, while JKY Groove should provide incremental growth. We remain positive on PAGE's medium-term growth outlook, though near-term margins could remain under pressure from RM inflation as the company balances margin protection with volume growth. We model 12% revenue CAGR and 11% EBITDA CAGR over FY26-29E. We reiterate our BUY rating on the stock with a TP of INR43,000, premised on 45x Sep'28E EPS.

Page Industries



Karthik Yathindra, CEO

Mr. Yathindra has been CEO of PAGE since Apr'25. He holds a Post Graduate Diploma in Management from T. A. Pai Management Institute and a Bachelor's degree in Law, bringing a strong blend of business and legal acumen. With over 15 years of experience across sales, retail, product, marketing, and business operations, he has deep expertise in building consumer-centric businesses. Prior to this role, he served as the Chief Marketing Officer of Jockey India, where he played a pivotal role in strengthening brand equity and driving growth.

Demand: Sequential recovery gaining traction, with broad-based improvement across markets

- Management highlighted a steady recovery in consumption over the last three quarters, with 4QFY26 performing better than 3QFY26, and 1QFY27 showing further improvement from 4QFY26.
- Tier 2 and Tier 3 markets continue to outpace Metro/Tier 1 markets, although the latter have also witnessed a meaningful improvement versus last year. PAGE's revenue base is currently split into ~40% across Metro/Tier 1 and 60% in Tier 2/Tier 3 markets, providing a broad-based consumption base.
- PAGE indicated that the improvement in metros is partly being driven by the rapid expansion of quick commerce and e-commerce. The addition of dark stores is leading to higher primary sales as platforms stock inventory to cater to localized demand. Within e-commerce, quick commerce is currently witnessing the fastest growth.
- 1Q volume growth was impacted by a temporary reporting-timing issue, as the transition to outsourced warehousing and logistics resulted in a four-day delivery delay at the end of 1QFY27, impacting reported volume growth by ~4%. Management clarified that the impact was largely timing-related, with underlying tertiary performance and distributor-level secondary sales remaining on track with the annual plan.

Men's innerwear: Strong market position with further TAM headroom

- PAGE currently addresses ~20% of the TAM in men's innerwear, leaving significant headroom for further expansion. Historically, the company has gained 0.25-0.5% of TAM annually.
- PAGE has refrained from its historical 3-3.5% annual price increases for the last four years, resulting in a 17-18% reduction in relative pricing through compounding. Consequently, the price gap between Jockey and economy brands has narrowed from 30-35% earlier to 20-25%.
- Aesthetic upgrades to entry-level products undertaken in early 2024 have resulted in meaningful volume growth at the bottom of the pyramid.
- Competitive intensity, which had remained elevated since 2019, is now seeing some cyclical moderation. Management highlighted that while the No. 2 player on marketplaces can change every six months (depending on the CAC budget), Jockey continues to maintain a consistent leadership position across the categories in which it operates.
- While PAGE does not track syndicated market share data, management closely monitors shelf share and shop share and stated that Jockey leads across the categories in which it operates.

Women's innerwear: Underpenetrated category offers significant growth opportunity

- Jockey's penetration in women's innerwear remains at only 7-8%, providing significant headroom for growth.
- Management expects women's innerwear to grow faster than the rest of the business, supported by its lower existing base and greater headroom.
- PAGE continues to focus on product improvements, with every product undergoing a review at least once a year covering aesthetics, fabric, and packaging.

Athleisure and smaller categories: Expanding beyond core innerwear

- Athleisure is also expected to grow faster than the overall business, supported by its lower existing base and significant headroom.
- PAGE is expanding its out-of-home presence through Groove, its street-fashion brand, which is around a year old.
- Smaller categories such as socks, handkerchiefs, and towels are currently delivering high growth rates, although their contribution to the overall business remains small.

Distribution: EBOs emerging as an increasingly important growth channel

- PAGE currently operates 1,600+ EBOs and plans to add 120-150 stores annually over the next 3-5 years. Of the 150 stores added last year, 70 were opened in first-time EBO towns, helping establish Jockey as a local destination. Management expects EBOs to become the company's largest sales channel over the next 5-7 years.
- The company continues to expand its General Trade presence by adding 8,000-10,000 net new outlets annually.

- A dedicated rural sales vertical has been established to deepen penetration in smaller towns, initially focusing on men's and women's innerwear.

Digital and quick commerce: Increasing relevance in the growth strategy

- PAGE is developing a consumer data platform (CDP) using first-party data from EBOs and its online portal. The objective is to use consumer data to drive targeted cross-selling and upselling.
- The CDP is undergoing governance reviews for compliance with the DPDP framework, with direct-to-consumer communication pilots expected over the next 4-5 months.
- Quick commerce is currently the fastest-growing segment within e-commerce.

GCC expansion and global synergies

- PAGE is planning a full-fledged entry into the GCC market between 2QFY27 and 3QFY27, including Saudi Arabia, Kuwait, Bahrain, and Qatar.
- The company will leverage its existing manufacturing and product backend for the international expansion.
- PAGE is one of the largest Jockey International licensees globally in terms of revenue and royalty contribution.
- Through its global licensee meetings, the company gains ~12 months of advance visibility into market trends, including initiatives such as Amazon US pilots, enabling it to effectively adapt its international products and market strategies.

Selective approach to inorganic growth

- PAGE does not intend to pursue a 'house of brands' strategy and indicated that it may add only one new brand license in a decade, reflecting its focus on the existing business. Management remains selective on acquisitions and is not in a hurry to pursue inorganic opportunities unless they can meaningfully add to financial performance and brand equity over a ten-year horizon.

Despite 1Q blip, FY27 target remains intact

- Management is targeting double-digit volume growth and mid-teens value growth for the full year.
- The company stated that the Odisha facility is currently being ramped up, resulting in temporary unabsorbed overheads. Management expects the facility to reach stable operations and begin delivering cost benefits from January.
- PAGE continues to view a 19-21% operating margin range as sustainable and comfortable, even while investing in expansion initiatives. However, EBITDA margins have consistently exceeded management's guided range over the past two years (21.5%/22% in FY25/FY26). This outperformance was driven by a combination of factors, including low-cost inventory and operational efficiencies, particularly in sewing and manufacturing processes. Given the company's track record of consistently outperforming guidance, we project a moderate expansion in margins and estimate EBITDA margin at 21.2% in FY27 and 21.4% in FY28.

Valuation and view

- PAGE has had a remarkable track record of revenue and earnings growth over the past decade. Over FY16-26, it posted a CAGR of 11%/12%/14% in sales/EBITDA/PAT. Moreover, the company has delivered RoE of over 40% in the last 10 years.
- The women's innerwear and athleisure segments continue to have several white spaces in the product portfolio. We expect PAGE to address these portfolio gaps, while digital and marketing efforts should help in market share gains.
- In our view, inventory optimization through the ARS system, new product launches, capacity expansion, and digitalization initiatives will support growth. PAGE's brand equity is also evolving beyond its traditional innerwear positioning toward a broader lifestyle brand, enabling the company to extend its relevance across product lines.

- The company maintains its target of double-digit volume growth in FY27 (we model 8%), supported by recovery of deferred 1Q sales in 2Q, calibrated pricing, and improving traction across channels. The ~2% May price hike will fully reflect from 2QFY27, while JKY Groove should provide incremental growth. We remain positive on PAGE's medium-term growth outlook, though near-term margins could remain under pressure from RM inflation as the company balances margin protection with volume growth. We model 12% revenue CAGR and 11% EBITDA CAGR over FY26-29E. We reiterate our BUY rating on the stock with a TP of INR43,000, premised on 45x Sep'28E EPS.

Story in charts

Exhibit 1: Sales expected to deliver 12% CAGR over FY26-29

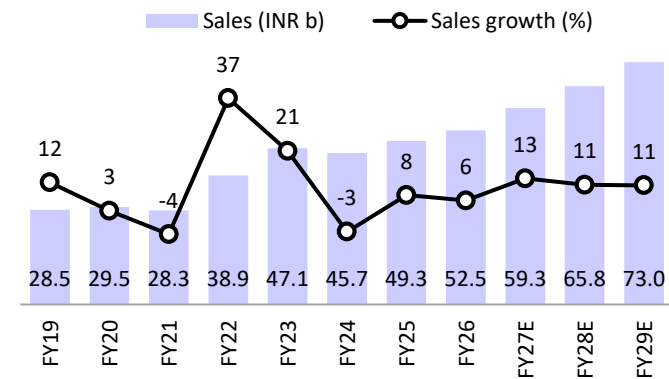


Exhibit 2: Yarn prices rose 27% YoY in 2QFY27 (Aug'26)

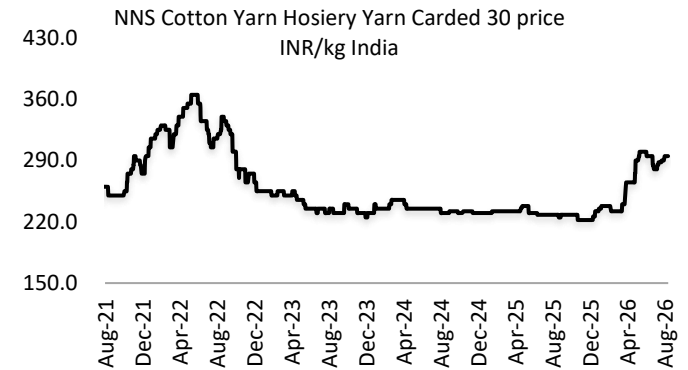


Exhibit 3: Gross margins expected to remain range bound

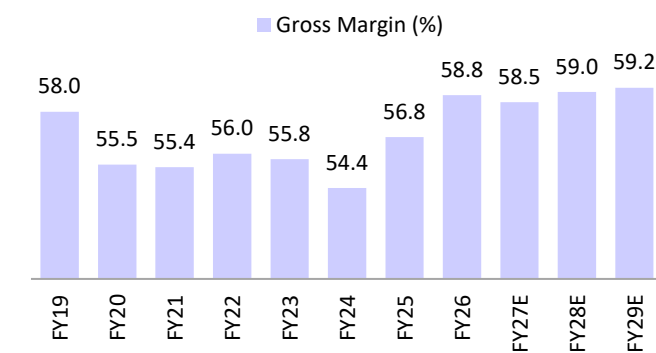


Exhibit 4: EBITDA margin to remain near PAGE's guided range

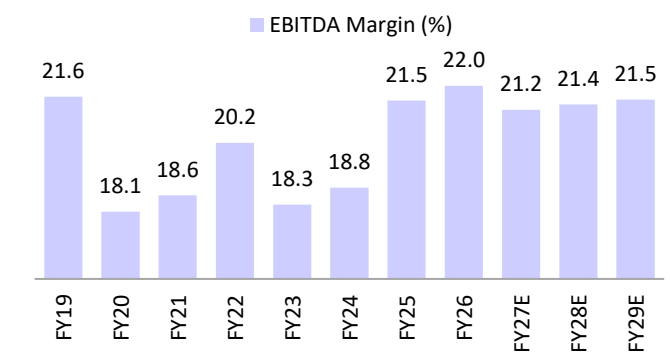


Exhibit 5: EBITDA to clock 11% CAGR over FY26-29E...

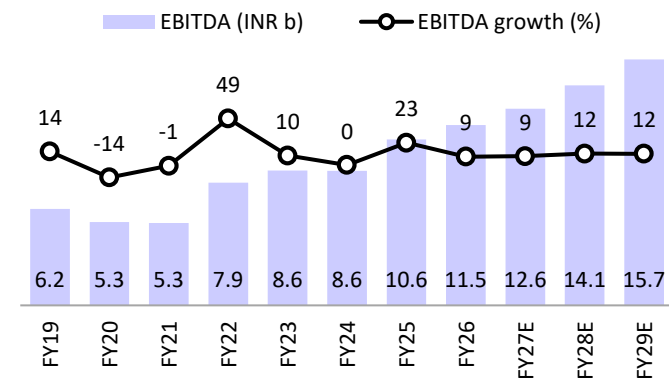


Exhibit 6: ...leading to APAT CAGR of 12% over FY26-29E

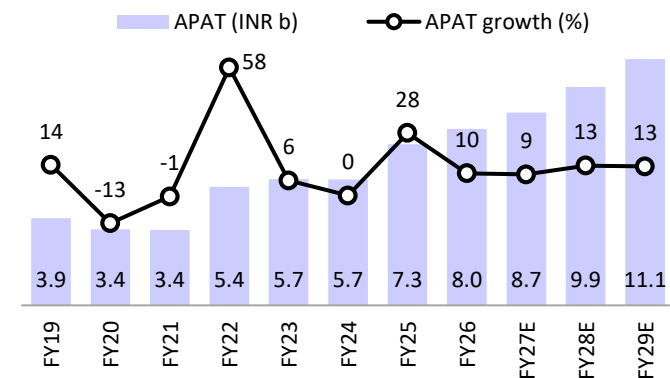
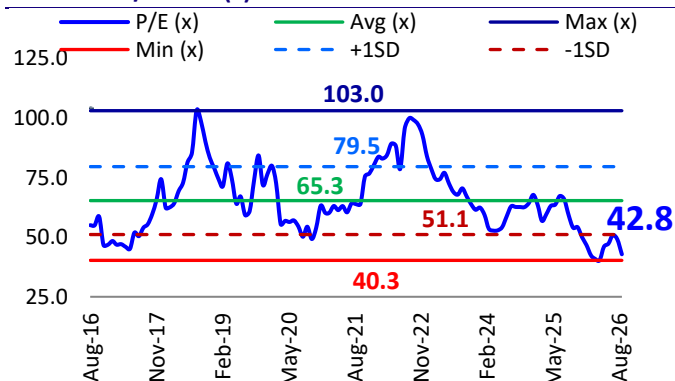
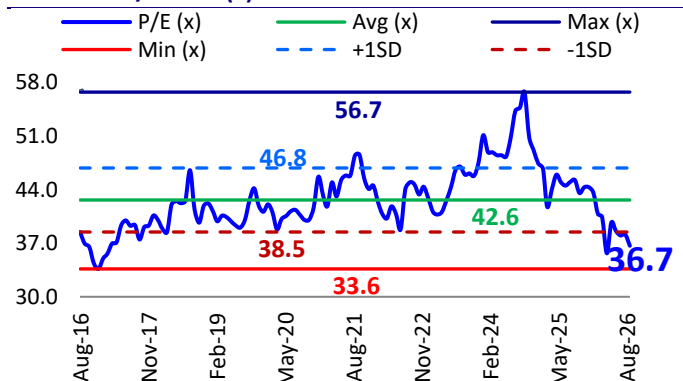


Exhibit 7: P/E ratio (x) for PAGE



Source: MOFSL, Company

Exhibit 8: P/E ratio (x) for the Consumer sector



Source: MOFSL, Company

Financials and valuations

Income Statement								(INR m)		
Y/E March	2020	2021	2022	2023	2024	2025	2026	2027E	2028E	2029E
Net Sales	29,454	28,330	38,865	47,142	45,692	49,340	52,468	59,296	65,846	73,025
Change (%)	3.3	-3.8	37.2	21.3	-3.1	8.0	6.3	13.0	11.0	10.9
Gross Profit	16,346	15,690	21,775	26,290	24,846	28,036	30,874	34,688	38,849	43,231
Margin (%)	55.5	55.4	56.0	55.8	54.4	56.8	58.8	58.5	59.0	59.2
Other operating expenditure	11,020	10,424	13,920	17,662	16,248	17,419	19,346	22,102	24,764	27,502
EBITDA	5,326	5,266	7,855	8,627	8,598	10,617	11,529	12,587	14,086	15,728
Change (%)	-13.7	-1.1	49.2	9.8	-0.3	23.5	8.6	9.2	11.9	11.7
Margin (%)	18.1	18.6	20.2	18.3	18.8	21.5	22.0	21.2	21.4	21.5
Depreciation	614	629	655	781	908	992	1,066	1,212	1,326	1,446
Int. and Fin. Ch.	339	297	322	413	449	464	498	448	426	404
Other Inc.- Rec.	246	195	210	147	324	616	639	735	867	1,023
PBT	4,620	4,534	7,088	7,581	7,565	9,777	10,603	11,661	13,201	14,901
Change (%)	-23.8	-1.9	56.3	7.0	-0.2	29.2	8.5	10.0	13.2	12.9
Tax	1,188	1,128	1,722	1,869	1,873	2,494	2,615	2,939	3,327	3,755
Tax Rate (%)	25.7	24.9	24.3	24.6	24.8	25.5	24.7	25.2	25.2	25.2
Adjusted PAT	3,432	3,406	5,365	5,712	5,692	7,282	7,988	8,723	9,874	11,146
Change (%)	-12.9	-0.8	57.5	6.5	-0.4	27.9	9.7	9.2	13.2	12.9
Margin (%)	11.7	12.0	13.8	12.1	12.5	14.8	15.2	14.7	15.0	15.3
Reported PAT	3,432	3,406	5,365	5,712	5,692	7,282	8,338	8,723	9,874	11,146

Balance Sheet								(INR m)		
Y/E March	2020	2021	2022	2023	2024	2025E	2026	2027E	2028E	2029E
Share Capital	112	112	112	112	112	112	112	112	112	112
Reserves	8,087	8,737	10,775	13,599	15,858	13,960	14,914	18,046	21,590	25,591
Net Worth	8,199	8,849	10,886	13,710	15,969	14,072	15,026	18,157	21,702	25,703
Loans	1,764	1,270	1,099	4,064	1,848	2,621	2,768	2,778	2,788	2,799
Capital Employed	9,963	10,119	11,985	17,774	17,818	16,693	17,794	20,935	24,490	28,502
Right of use assets	1,045	976	910	1,451	1,675	2,450	2,384	2,503	2,628	2,760
Gross Block	4,319	4,505	5,067	5,685	5,861	8,200	9,900	10,900	11,900	12,900
Less: Accum. Depn.	1,309	1,618	1,953	2,285	2,658	3,074	3,571	4,783	6,109	7,555
Net Fixed Assets	3,010	2,887	3,114	3,401	3,203	5,126	6,329	6,117	5,791	5,345
Capital WIP	287	279	653	1,505	2,387	722	14	14	14	14
Investments	0	0	0	0	0	0	0	0	0	0
Curr. Assets, L&A	10,787	12,835	16,356	20,521	19,468	18,042	19,742	24,549	29,668	35,489
Inventory	7,186	5,549	9,749	15,953	11,703	8,589	10,557	12,184	13,530	15,005
Account Receivables	738	1,371	1,651	1,461	1,586	1,916	2,011	2,762	3,067	3,401
Cash and Bank Balance	1,169	4,350	2,835	81	3,210	4,714	4,323	7,351	10,647	14,471
Others	1,694	1,564	2,122	3,026	2,968	2,823	2,851	2,252	2,424	2,612
Curr. Liab. and Prov.	5,165	6,879	9,084	9,154	9,008	9,731	10,770	12,343	13,707	15,201
Account Payables	938	2,175	3,628	2,876	2,200	2,549	3,227	4,549	5,051	5,602
Other Liabilities	3,953	4,504	5,198	5,955	6,526	6,888	7,166	7,145	7,934	8,799
Provisions	273	200	258	322	282	294	377	650	722	800
Net Curr. Assets	5,622	5,956	7,272	11,367	10,460	8,311	8,972	12,205	15,961	20,288
Def. Tax Liability	2	-22	-36	-51	-93	-84	-95	-95	-95	-95
Appl. of Funds	9,963	10,119	11,985	17,774	17,818	16,693	17,794	20,935	24,490	28,502

E: MOFSL Estimates

Financials and valuations

Ratios										
Y/E March	2020	2021	2022	2023	2024	2025	2026	2027E	2028E	2029E
Basic (INR)										
EPS	307.7	305.3	481.0	512.2	510.3	652.9	716.2	782.0	885.3	999.3
Cash EPS	362.7	361.8	539.7	582.2	591.7	741.9	811.8	890.7	1,004.2	1,128.9
BV/Share	735.1	793.3	976.0	1,229.2	1,431.7	1,261.6	1,347.2	1,627.9	1,945.7	2,304.4
DPS	161	250	300	260	370	900	685	501	567	641
Payout incldg DDT (%)	79.1	81.9	62.4	50.8	72.5	137.8	100.0	75.0	75.0	75.0
Valuation (x)										
P/E	116.3	117.2	74.4	69.9	70.2	54.8	50.0	45.8	40.4	35.8
Cash P/E	98.7	99.0	66.3	61.5	60.5	48.3	44.1	40.2	35.7	31.7
EV/Sales	13.6	14.0	10.2	8.6	8.7	8.1	7.6	6.7	5.9	5.3
EV/EBITDA	75.1	75.2	50.6	46.7	46.3	37.4	34.5	31.4	27.8	24.6
P/BV	48.7	45.1	36.7	29.1	25.0	28.4	26.6	22.0	18.4	15.5
Dividend Yield (%)	0.4	0.7	0.8	0.7	1.0	2.5	1.9	1.4	1.6	1.8
Return Ratios (%)										
Asset Turn	3.0	2.8	3.2	2.7	2.6	3.0	2.9	2.8	2.7	2.6
Leverage	1.2	1.1	1.1	1.3	1.1	1.2	1.2	1.2	1.1	1.1
Net Margin	11.7	12.0	13.8	12.1	12.5	14.8	15.2	14.7	15.0	15.3
RoE	41.9	38.5	49.3	41.7	35.6	51.8	53.2	48.0	45.5	43.4
RoCE	39.7	36.1	50.7	40.5	33.9	44.2	48.5	46.8	44.9	43.2
RoIC	42.2	49.8	77.9	47.9	40.7	61.1	63.8	63.0	69.7	76.7
Working Capital Ratios										
Asset Turnover (x)	3.2	2.8	3.5	3.2	2.6	2.9	3.0	3.1	2.9	2.8
Debtor Days	12	14	14	12	12	13	14	15	16	16
Creditor Days	13	20	27	25	20	18	20	24	27	27
Inventory Days	91	82	72	99	110	75	67	70	71	71
Leverage Ratio										
Debt/Equity (x)	0.2	0.1	0.1	0.3	0.1	0.2	0.2	0.2	0.1	0.1

Cash Flow Statement										(INR m)
Y/E March	2020	2021	2022	2023	2024	2025	2026	2027E	2028E	2029E
Profit before Tax	4,620	4,534	7,088	7,581	7,565	9,786	10,253	11,661	13,201	14,901
Depreciation	614	629	655	781	908	992	1,066	1,212	1,326	1,446
Other Non Cash & Non oper. activities	179	304	186	308	295	64	177	-287	-441	-619
Incr in WC	1,024	2,751	-2,910	-6,782	3,878	3,641	-868	-206	-459	-503
Direct Taxes Paid	-1,270	-1,259	-1,750	-1,904	-1,841	-2,447	-2,685	-2,939	-3,327	-3,755
CF from Operations	5,167	6,959	3,269	-16	10,805	12,036	7,944	9,442	10,300	11,470
Incr in FA	-744	-135	-979	-1,638	-946	-791	-1,070	-1,000	-1,000	-1,000
Free Cash Flow	4,423	6,824	2,290	-1,654	9,858	11,245	6,873	8,442	9,300	10,470
Pur of Investments	400	-3,950	2,050	1,900	0	0	0	0	0	0
Others	-319	3,967	-1,891	-1,259	-515	359	178	616	742	892
CF from Invest.	-663	-119	-820	-997	-1,461	-431	-892	-384	-258	-108
Issue of Shares	0	0	0	0	0	0	0	0	0	0
Incr in Debt	-470	-321	0	1,916	-2,474	-700	-486	9	10	11
Dividend Paid	-2,716	-2,787	-3,347	-2,900	-3,458	-9,146	-6,693	-5,592	-6,330	-7,145
Others	-589	-551	-617	-757	-283	-255	-264	-448	-426	-404
CF from Fin. Activity	-3,775	-3,659	-3,964	-1,741	-6,214	-10,101	-7,442	-6,030	-6,745	-7,538
Incr/Decr of Cash	729	3,181	-1,515	-2,754	3,129	1,503	-391	3,027	3,297	3,824
Add: Opening Balance	440	1,169	4,350	2,835	81	3,210	4,714	4,323	7,351	10,647
Closing Balance	1,169	4,350	2,835	81	3,210	4,714	4,323	7,351	10,647	14,471

E: MOFSL Estimates

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://onlinereports.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>

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: No.
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, nor 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: 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 grievances@motilaloswal.com.