

Ajanta Pharma

Estimate change



TP change



Rating change



Bloomberg	AJP IN
Equity Shares (m)	127
M.Cap.(INRb)/(USDb)	281.3 / 3.4
52-Week Range (INR)	2355 / 1230
1, 6, 12 Rel. Per (%)	-2/4/48
12M Avg Val (INR M)	313

Financials & Valuations (INR b)

Y/E MARCH	FY24	FY25E	FY26E
Sales	42.1	47.1	53.4
EBITDA	11.7	13.7	15.6
Adj. PAT	7.9	9.4	10.8
EBIT Margin (%)	24.6	26.2	26.7
Cons. Adj. EPS (INR)	62.3	74.4	85.4
EPS Gr. (%)	26.6	19.5	14.8
BV/Sh. (INR)	282.0	337.4	401.0

Ratios

Net D:E	-0.1	-0.2	-0.3
RoE (%)	22.7	24.0	23.1
RoCE (%)	22.8	24.1	23.2
Payout (%)	24.7	25.5	25.5

Valuations

P/E (x)	35.9	30.0	26.2
EV/EBITDA (x)	24.0	20.2	17.3
Div. Yield (%)	0.7	0.8	1.0
FCF Yield (%)	2.3	2.4	2.7
EV/Sales (x)	6.7	5.9	5.1

Shareholding pattern (%)

As On	Dec-23	Sep-23	Dec-22
Promoter	66.2	66.2	66.1
DII	16.7	15.6	15.8
FII	9.1	10.0	10.1
Others	8.0	7.8	8.0

FII Includes depository receipts

CMP: INR2,234
TP: INR2,565 (+15%)
Buy

Higher opex leads to EBITDA/PAT miss

Aims to consistently outperform the industry in branded generics

- Ajanta Pharma (AJP) delivered in-line sales in 4QFY24. However, EBITDA/PAT came in lower than our expectations, due to higher opex and higher tax outgo. AJP continued to outperform the industry in domestic formulation (DF) and Asia market. The performance is expected to improve in the Africa branded generics market going forward.
- We cut our estimates by 6%/7% for FY25/FY26, factoring in a) moderation in US growth prospects, b) higher logistics costs due to ongoing geopolitical tension, and c) a higher tax rate. We value AJP at 27x 12M forward earnings to arrive at a TP of INR2,565.
- We expect a 17% earnings CAGR over FY24-26, backed by a 12%/15% sales CAGR in DF/Asia segment and a 150bp margin expansion. With new launches, MR addition and increased market share in existing products, AJP remains in good stead to outperform in the branded generics market (70% of FY24 sales). AJP continues to build the ANDA pipeline for the US market and implement efforts toward consistent compliance. Maintain BUY.

Product mix/operating leverage drive margins YoY

- 4QFY24 revenue grew 20% to INR10.5b (our est: INR10.6b), led by growth across all key business.
- US generics sales grew 32% YoY to INR2.6b (25% of sales). Asia branded generics sales rose 18% YoY to INR2.8b (27% of sales). Africa branded generics and institutional sales increased 17% YoY to INR1.7b (17% of sales). DF sales grew 14% YoY to INR3.3b (31% of sales).
- Gross margin expanded 220bp YoY to 74.9% due to low raw material costs.
- EBITDA margin expanded at a higher rate of ~700bp YoY to 26.4% (our est. 28.6%) due to lower employee costs and other expenses (down 320bp/160bp YoY as % of sales).
- Consequently, EBITDA grew 63% YoY to INR2.8b (our est. INR3b).
- Adjusting for the forex impact of INR197m, adj. PAT grew 57% YoY to INR1.9b (our est. INR2.2b).
- FY24 revenue/EBITDA/PAT grew 13%/39%/27% YoY to INR42.1b/INR11.7b/INR7.9b.
- For FY24, CFO was INR7.8b with EBITDA-to-CFO conversion of 67%.

Highlights from the management commentary

- AJP guided for low-teens YoY growth in revenue for FY25. Particularly, US generics revenue is expected to grow in mid-single digits YoY in FY25.
- The company expects to outperform IPM by 200-300bp in FY25.
- It aims to sustain EBITDA margin at 28% in FY25.
- AJP plans to file 8-12 ANDAs and launch 6 ANDAs in US generics in FY25.
- The company expects price erosion to be stable and sustain at 8-10% levels in the US generics segment.

Tushar Manudhane - Research Analyst (Tushar.Manudhane@MotilalOswal.com)

Akash Manish Dobhada - Research Analyst (Akash.Dobhada@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.

Consol. - Quarterly perf.

(INR m)

Y/E March	FY23				FY24E				FY23	FY24	FY24E	vs Est
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE	(%)
Net Sales	9,509	9,381	9,718	8,818	10,210	10,284	11,052	10,541	37,426	42,087	10,621	-0.8
YoY Change (%)	27.1	6.0	16.0	1.3	7.4	9.6	13.7	19.5	12.0	12.5	20.4	
Total Expenditure	6,992	7,318	7,555	7,107	7,397	7,378	7,835	7,758	28,972	30,368	7,582	
EBITDA	2,518	2,063	2,162	1,711	2,813	2,907	3,217	2,783	8,454	11,719	3,039	-8.4
YoY Change (%)	14.4	-21.5	-9.7	-22.1	11.7	40.9	48.7	62.7	-10.3	38.6	77.6	
Margins (%)	26.5	22.0	22.3	19.4	27.6	28.3	29.1	26.4	22.6	27.8	28.6	
Depreciation	318	327	333	330	332	337	343	343	1,308	1,354	353	
EBIT	2,200	1,736	1,829	1,381	2,482	2,570	2,874	2,441	7,146	10,365	2,686	-9.1
YoY Change (%)	16.2	-24.9	-12.0	-26.8	12.8	48.0	57.1	76.7	-12.5	45.0	94.5	
Margins (%)	23.1	18.5	18.8	15.7	24.3	25.0	26.0	23.2	19.1	24.6	25.3	-8.4
Interest	9	10	28	11	9	23	25	15	58	72	18	
Other Income	48	394	239	123	121	85	95	158	803	459	79	
PBT before EO expense	2,239	2,120	2,040	1,493	2,594	2,631	2,944	2,584	7,892	10,752	2,747	-5.9
Extra-Ord expense	20	90	357	-28	97	128	-35	197	-439	387	0	
PBT	2,219	2,030	1,683	1,521	2,691	2,759	2,909	2,780	7,453	11,139	2,746	1.2
Tax	472	464	338	299	609	806	809	753	1,574	2,978	564	
Effective Rate (%)	21.3	22.9	20.1	19.7	22.6	29.2	27.8	27.1	21.1	26.7	20.5	
Reported PAT	1,746	1,566	1,345	1,222	2,082	1,953	2,100	2,027	5,879	8,162	2,182	-7.1
Adj PAT	1,762	1,635	1,630	1,200	2,007	1,862	2,125	1,884	6,227	7,878	2,182	-13.7
YoY Change (%)	14.4	-11.4	-15.0	-25.6	13.9	13.9	30.4	57.1	-10.0	26.5	81.9	
Margins (%)	18.4	16.7	16.4	13.4	19.4	18.0	19.1	17.6	16.3	18.5	20.4	

E: MOFSL Estimates

Key performance Indicators (Consolidated)

Y/E March	FY23				FY24E				FY23	FY24	FY24E
INRm	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE
Domestic formulations	2,790	3,140	2,940	2,870	3,190	3,550	3,080	3,260	11,740	13,080	3,207
YoY Change (%)	21.8	26.6	14.8	17.1	14.3	13.1	4.8	13.6	20.0	11.4	11.7
Asia	2,400	2,510	2,280	2,380	2,540	2,300	2,920	2,810	9,570	10,570	2,576
YoY Change (%)	45.5	31.4	17.5	(9.5)	5.8	(8.4)	28.1	18.1	17.7	10.4	8.2
Africa (branded + Insti)	2,450	1,790	1,760	1,490	2,240	1,947	2,410	1,740	7,490	8,347	2,109
YoY Change (%)	36.9	(20.4)	(13.3)	(19.9)	(8.6)	8.8	36.9	16.8	(5.5)	11.4	41.6
US	1,790	1,850	2,660	1,980	2,130	2,370	2,520	2,610	8,280	9,640	2,507
YoY Change (%)	6.5	(4.6)	60.2	17.9	19.0	28.1	(5.3)	31.8	19.0	16.4	26.6
Cost Break-up											
RM Cost (% of Sales)	26.3	27.7	26.7	27.3	24.7	24.9	26.6	25.1	27.0	25.3	24.5
Staff Cost (% of Sales)	19.2	19.8	19.8	25.4	20.9	21.6	20.9	22.2	21.0	21.4	22.2
R&D Expenses (% of Sales)	5.7	6.3	6.3	7.2	5.4	4.9	4.7	4.7	6.3	4.9	0.0
Other Cost (% of Sales)	28.0	30.5	31.2	27.9	26.9	25.2	23.3	26.4	29.4	25.4	24.7
Gross Margins(%)	73.7	72.3	73.3	72.7	75.3	75.1	73.4	74.9	73.0	74.7	75.5
EBITDA Margins(%)	26.5	22.0	22.3	19.4	27.6	28.3	29.1	26.4	22.6	27.8	28.6
EBIT Margins(%)	23.1	18.5	18.8	15.7	24.3	25.0	26.0	23.2	19.1	24.6	25.3
PBT Margins(%)	23.4	21.7	20.5	16.7	25.1	25.4	26.4	24.1	20.6	25.3	25.7
PAT Margins(%)	18.4	16.7	16.4	13.4	19.4	18.0	19.1	17.6	16.3	18.5	20.4



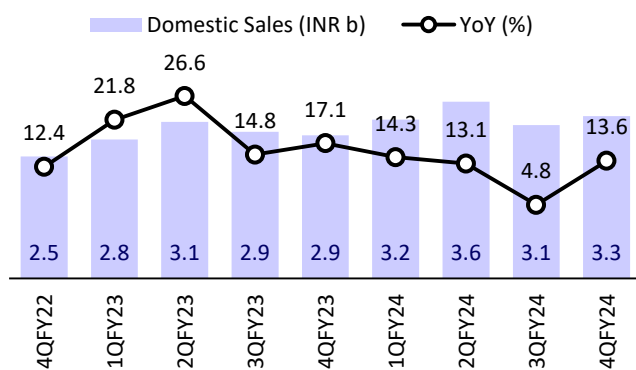
Other highlights from the management commentary

- AJP launched 15 products, with four of them being new-to-market products.
- The company witnessed 2x growth in volume and 1.4x growth in new launches compared to the industry in FY24.
- Cardiology therapy growth was low at 4% YoY compared to IPM YoY growth of 10% in FY24 due to significant price reductions in MET XL.
- Asia segment growth was supported by 18 new launches and superior execution. A part of this portfolio is under the chronic category, providing higher visibility for growth prospects.
- Early off-take led to higher business in institutional anti-malaria segment in 4Q.

- CFO was INR7.8b for FY24.
- The effective tax rate (ETR) is expected to be same as that in FY24.
- R&D expenses would be 5% of sales in FY25.
- Capex for FY25 to be INR1.75-INR2b, including maintenance capex.

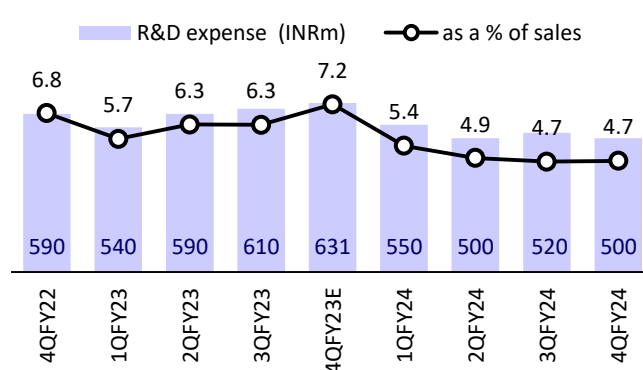
Key exhibits

Exhibit 1: DF sales up ~14% YoY in 4QFY24



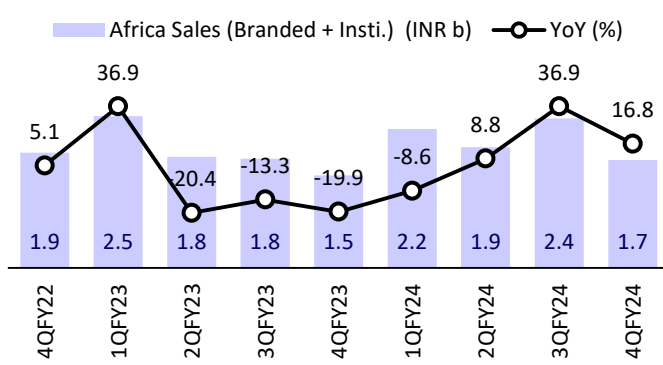
Source: MOFSL, Company

Exhibit 2: R&D spending at ~5% of sales for 4QFY24



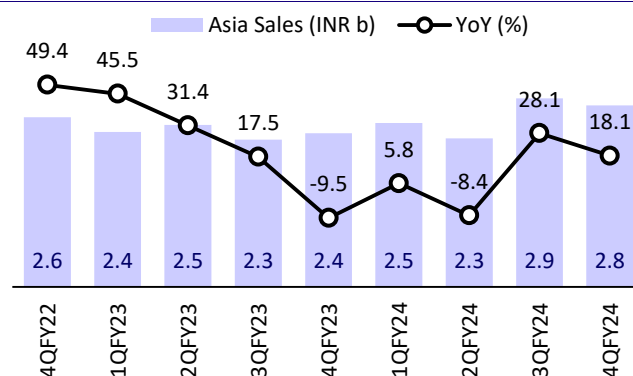
Source: MOFSL, Company

Exhibit 3: Africa sales (Branded + Institutional) up ~17% YoY in 4QFY24



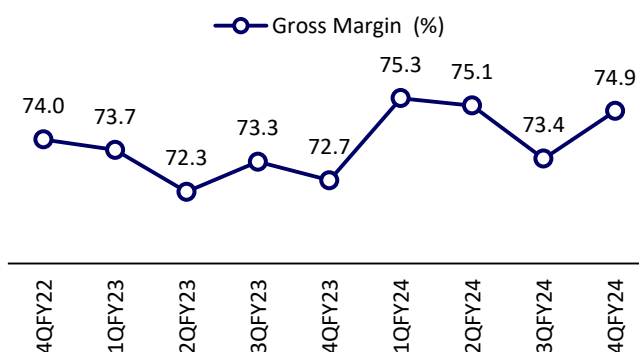
Source: MOFSL, Company

Exhibit 4: Asia sales grew 18% YoY in 4QFY24



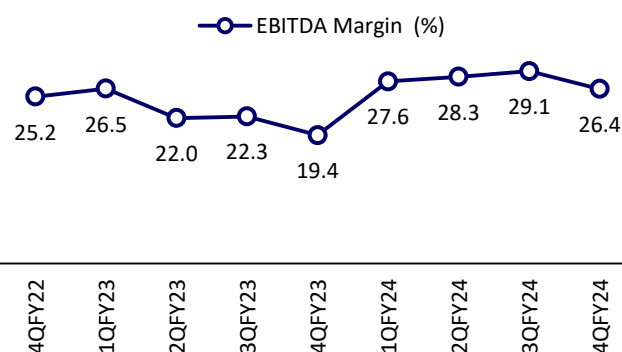
Source: MOFSL, Company

Exhibit 5: Gross margins expanded 220bp YoY in 4QFY24



Source: MOFSL, Company

Exhibit 6: EBITDA margin expanded ~700bp YoY in 4QFY24



Source: MOFSL, Company

Well-placed to outperform the industry

Branded generics growth to be driven by superior execution

- In FY24, AJP's DF revenue grew 11.4% YoY to ~INR13b, driven by superior volume growth, new launches, market share gain in the existing products, and improved MR productivity.
- In MAT Mar'24, AJP outperformed the industry by ~180bp, led by robust outperformance in derma/pain/opthalmology by 11%/4%/3% vs. IPM. However, this was offset by cardiac therapy, which underperformed IPM by 6%.
- Over FY24-26, we expect AJP to deliver a 14% sales CAGR in the DF segment.
- In FY24, the African branded generics business grew modestly at 5% YoY to INR5.8b. A slowdown at the industry level and inventory build-up impacted the performance of the Africa branded generics segment. With a recovery in Africa after inventory stabilization and new introductions, we expect the Africa business to post a sales CAGR of 11% to reach INR10.2b over FY24-26.
- Moreover, in Asia, AJP is enhancing its market presence by prioritizing chronic therapies and expanding into emerging markets supported by 18 new launches. We expect AJP to register a 15% sales CAGR in Asia, reaching INR13.9b over FY24-26.

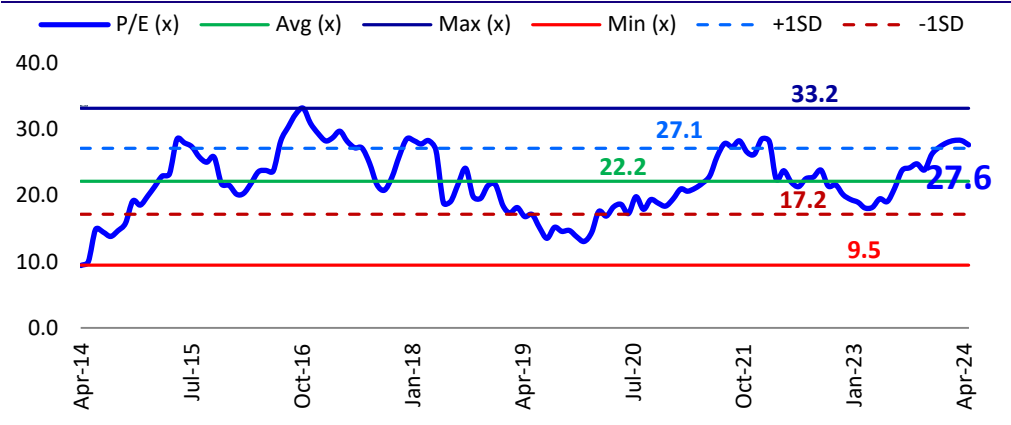
US growth to be led by new launches/tapering price erosion

- In FY24, US generics sales grew 16.4% YoY to INR9.6b (~USD118m), benefiting from favorable currency movements, market share gains and reduced intensity of price erosion.
- In FY24, AJP filed seven ANDAs and plans to file about 8-12 ANDAs in FY25. Moreover, it received six final approvals and launched four ANDAs in FY24, and expects to launch six more products in FY25. It has 22 ANDAs awaiting approval from the USFDA.
- We expect AJP to post an 11% sales CAGR to INR11.9b over FY24-26.

Valuation and view: Reiterate BUY

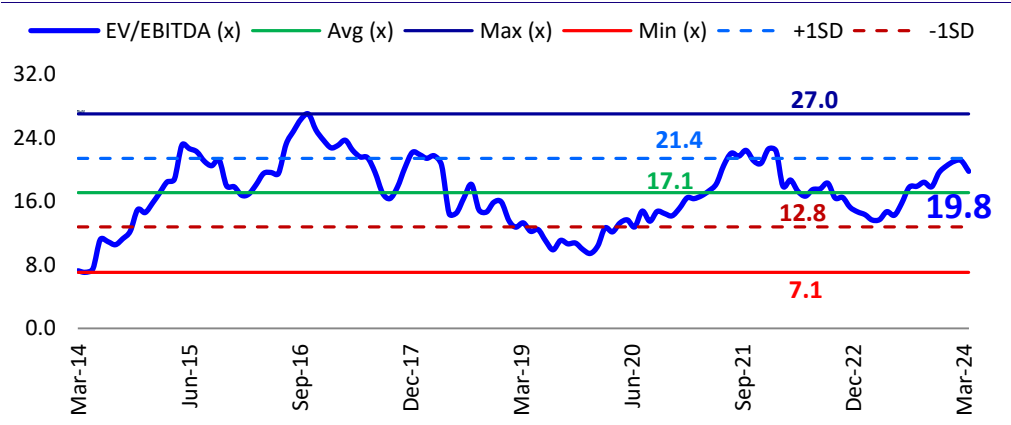
- We cut our estimates by 6%/7% for FY25/FY26, factoring in a) moderation in US growth prospects, b) higher logistics costs due to ongoing geopolitical tension, and c) a higher tax rate. We value AJP at 27x 12M forward earnings to arrive at a TP of INR2,565.
- We expect a 17% earnings CAGR over FY24-26, backed by a 12%/15% sales CAGR in DF/Asia segment and a 150bp margin expansion. With new launches, MR addition and increased market share in existing products, AJP remains in good stead to outperform in the branded generics market (70% of FY24 sales). AJP continues to build the ANDA pipeline for the US market and implement efforts toward consistent compliance. Maintain BUY.

Exhibit 7: P/E chart



Source: MOFSL, Company, Bloomberg

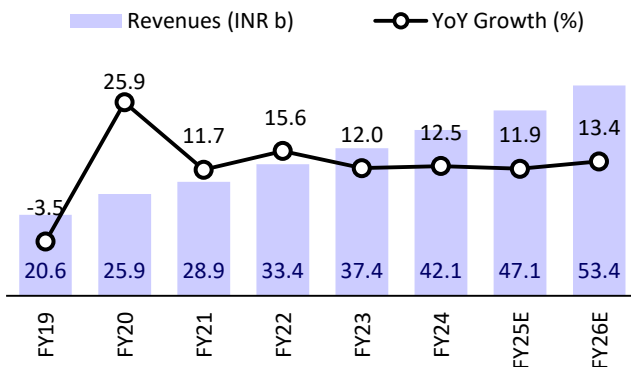
Exhibit 8: EV/EBITDA chart



Source: MOFSL, Company, Bloomberg

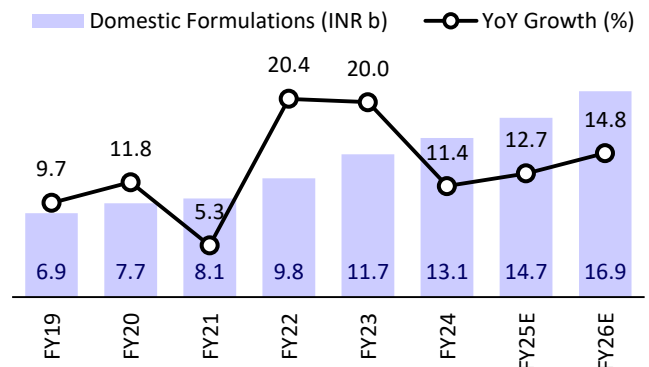
Story in charts

Exhibit 9: Total sales to post 13% CAGR over FY24-26



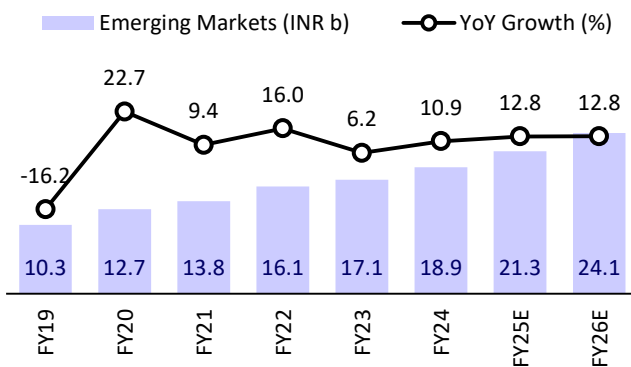
Source: Company, MOFSL

Exhibit 10: DF sales to report 14% CAGR over FY24-26



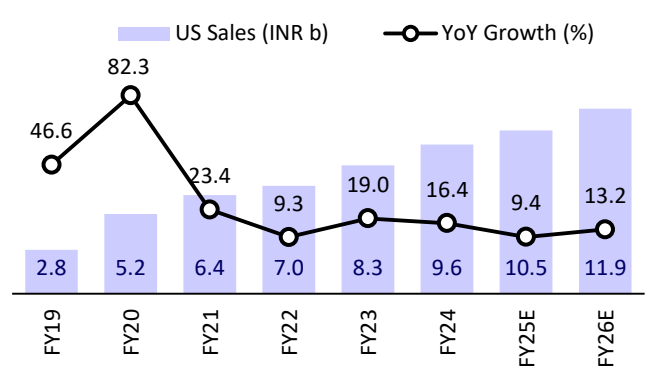
Source: Company, MOFSL

Exhibit 11: EM sales to clock 13% CAGR over FY24-26



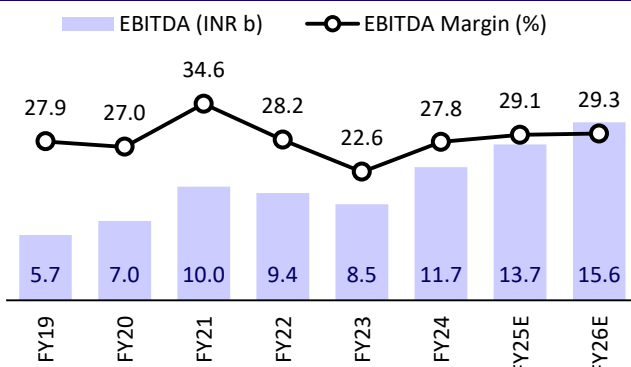
Source: Company, MOFSL

Exhibit 12: US sales to record 11% CAGR over FY24-26



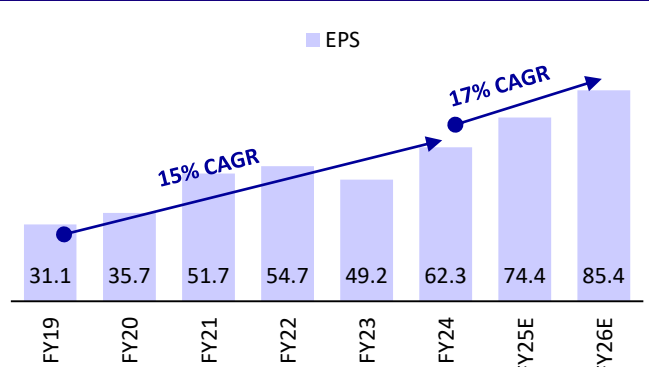
Source: Company, MOFSL

Exhibit 13: Expects 150bp margin expansion over FY24-26



Source: Company, MOFSL

Exhibit 14: Expects 17% earnings CAGR over FY24-26



Source: Company, MOFSL

Financials and valuations

Consolidated - Income Statement

(INR m)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Total Income from Operations	20,554	25,879	28,897	33,410	37,426	42,087	47,083	53,410
Change (%)	-3.5	25.9	11.7	15.6	12.0	12.5	11.9	13.4
Total Expenditure	14,809	18,895	18,911	23,986	28,972	30,368	33,382	37,761
% of Sales	72.1	73.0	65.4	71.8	77.4	72.2	70.9	70.7
EBITDA	5,744	6,983	9,986	9,424	8,454	11,719	13,701	15,649
Margin (%)	27.9	27.0	34.6	28.2	22.6	27.8	29.1	29.3
Depreciation	721	957	1,161	1,253	1,308	1,354	1,383	1,415
EBIT	5,024	6,026	8,825	8,171	7,146	10,365	12,318	14,234
Int. and Finance Charges	12	119	83	102	58	72	72	72
Other Income	211	522	260	757	803	459	471	534
PBT bef. EO Exp.	5,223	6,429	9,002	8,826	7,892	10,752	12,717	14,696
EO Items	80	211	0	269	439	387	0	0
PBT after EO Exp.	5,143	6,640	9,002	9,095	7,453	11,139	12,717	14,696
Total Tax	1,273	1,963	2,463	1,968	1,574	2,978	3,306	3,895
Tax Rate (%)	24.8	29.6	27.4	21.6	21.1	26.7	26.0	26.5
Minority Interest	0	0	0	0	0	0	0	0
Reported PAT	3,870	4,677	6,539	7,127	5,879	8,162	9,411	10,802
Adjusted PAT	3,930	4,522	6,539	6,916	6,225	7,878	9,411	10,802
Change (%)	-16.1	15.1	44.6	5.8	-10.0	26.6	19.5	14.8
Margin (%)	19.1	17.5	22.6	20.7	16.6	18.7	20.0	20.2

Consolidated - Balance Sheet

(INR m)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Equity Share Capital	175	175	174	172	253	253	253	253
Total Reserves	22,277	25,813	29,782	32,472	33,627	35,421	42,432	50,479
Net Worth	22,452	25,989	29,956	32,644	33,880	35,674	42,685	50,732
Total Loans	7	7	16	19	15	15	15	15
Deferred Tax Liabilities	271	558	421	463	977	1,085	1,085	1,085
Capital Employed	22,730	26,553	30,393	33,125	34,872	36,773	43,784	51,831
Gross Block	16,152	20,045	21,896	22,857	24,012	25,191	27,993	29,753
Less: Accum. Deprn.	4,366	5,324	6,485	7,738	9,046	10,400	11,782	13,197
Net Fixed Assets	11,786	14,721	15,411	15,120	14,966	14,792	16,211	16,556
Goodwill on Consolidation	0	0	0	0	0	0	0	0
Capital WIP	2,613	1,319	1,082	1,529	2,095	2,565	1,263	1,003
Total Investments	888	476	517	707	5,465	3,580	3,580	3,580
Curr. Assets, Loans&Adv.	11,357	16,417	20,276	22,645	24,265	25,448	33,513	42,908
Inventory	4,357	4,957	7,665	7,911	8,156	8,284	9,603	11,070
Account Receivables	4,595	7,753	7,384	10,198	10,569	12,468	14,060	16,096
Cash and Bank Balance	1,005	2,053	2,096	2,118	3,309	1,308	6,060	11,443
Loans and Advances	1,400	1,655	3,131	2,418	2,231	3,388	3,790	4,299
Curr. Liability & Prov.	3,913	6,379	6,893	6,875	11,919	9,611	10,782	12,215
Account Payables	2,251	3,623	3,739	3,272	4,227	4,633	5,213	5,897
Other Current Liabilities	1,278	2,230	2,858	3,302	7,310	4,405	4,928	5,591
Provisions	384	526	296	301	382	573	641	727
Net Current Assets	7,444	10,038	13,383	15,770	12,346	15,836	22,731	30,693
Appl. of Funds	22,730	26,553	30,393	33,126	34,872	36,773	43,784	51,831

E: MOFSL Estimates

Financials and valuations

Ratios

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Basic (INR)								
EPS	31.1	35.7	51.7	54.7	49.2	62.3	74.4	85.4
Cash EPS	36.8	43.3	60.9	64.6	59.5	73.0	85.3	96.6
BV/Share	177.5	205.4	236.8	258.1	267.8	282.0	337.4	401.0
DPS	6.3	9.0	6.6	6.4	11.5	15.9	19.0	21.8
Payout (%)	20.6	24.8	12.7	11.4	24.7	24.7	25.5	25.5
Valuation (x)								
P/E	71.9	62.5	43.2	40.8	45.4	35.9	30.0	26.2
Cash P/E	60.7	51.6	36.7	34.6	37.5	30.6	26.2	23.1
P/BV	12.6	10.9	9.4	8.7	8.3	7.9	6.6	5.6
EV/Sales	13.7	10.8	9.7	8.4	7.5	6.7	5.9	5.1
EV/EBITDA	49.0	40.2	28.1	29.8	33.0	24.0	20.2	17.3
Dividend Yield (%)	0.3	0.4	0.3	0.3	0.5	0.7	0.8	1.0
FCF per share	-1.9	15.6	34.5	33.3	48.8	51.1	53.4	60.7
Return Ratios (%)								
RoE	18.3	18.7	23.4	22.1	18.7	22.7	24.0	23.1
RoCE	18.4	19.0	23.6	22.3	18.8	22.8	24.1	23.2
RoIC	21.4	20.7	25.9	23.1	21.4	28.5	29.3	30.5
Working Capital Ratios								
Inventory (Days)	77	66	97	86	80	72	74	76
Debtor (Days)	82	109	93	111	103	108	109	110
Creditor (Days)	40	51	47	36	41	40	40	40
Leverage Ratio (x)								
Net Debt/Equity	-0.1	-0.1	-0.1	-0.1	-0.3	-0.1	-0.2	-0.3

Consolidated - Cash Flow Statement

(INR m)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
OP/(Loss) before Tax	5,303	6,218	9,002	9,095	7,453	11,139	12,717	14,696
Depreciation	721	957	1,161	1,253	1,308	1,354	1,383	1,415
Interest & Finance Charges	-199	-403	-177	-655	58	72	-399	-462
Direct Taxes Paid	-1,273	-1,963	-2,463	-1,968	-1,513	-3,121	-3,306	-3,895
(Inc)/Dec in WC	115	-1,548	-1,708	-2,427	665	-998	-2,141	-2,579
CF from Operations	4,667	3,262	5,815	5,298	7,971	8,446	8,253	9,175
Others	-922	1,306	169	323	-53	-596	0	0
CF from Operating incl EO	3,745	4,568	5,983	5,620	7,918	7,851	8,253	9,175
(Inc)/Dec in FA	-3,979	-2,599	-1,614	-1,409	-1,745	-1,390	-1,500	-1,500
Free Cash Flow	-234	1,969	4,369	4,212	6,173	6,460	6,753	7,675
(Pur)/Sale of Investments	1,155	413	-41	-190	-3,907	1,774	0	0
Others	596	-58	-1,169	857	56	270	471	534
CF from Investments	-2,228	-2,244	-2,824	-741	-5,596	654	-1,029	-966
Issue of Shares	0	0	-2	-2	-14	0	0	0
Inc/(Dec) in Debt	-5	1	9	3	-5	1	0	0
Interest Paid	-12	-119	-83	-102	-23	-35	-72	-72
Dividend Paid	-796	-1,159	-829	-816	-897	-6,422	-2,400	-2,754
CF from Fin. Activity	-1,476	-1,683	-2,737	-4,790	-1,131	-10,511	-2,472	-2,826
Inc/Dec of Cash	41	640	422	89	1,191	-2,006	4,752	5,383
Opening Balance	906	952	1,592	2,014	2,103	3,295	1,288	6,041
Closing Balance	948	1,592	2,014	2,103	3,295	1,288	6,041	11,423
Unrealised loss / (gain) on forex	4	432	82	14	14	19	19	19
Total Cash & Cash Eq	1,005	2,053	2,096	2,118	3,309	1,307	6,060	11,443

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

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. 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://online.reports.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 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") (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 Advisers 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.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4 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
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 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 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 dp@grievances@motilaloswal.com.