

MRF

Sell

Estimate change	\leftarrow
TP change	1
Rating change	\leftarrow

Bloomberg	MRF IN
Equity Shares (m)	4
M.Cap.(INRb)/(USDb)	453.5 / 5.5
52-Week Range (INR)	107500 / 78000
1, 6, 12 Rel. Per (%)	7/7/9
12M Avg Val (INR M)	950

Financials & valuations (INR b)

Tillaticials & Valu	ations (iii	II 2/	
INR b	FY23	FY24E	FY25E
Sales	230.1	251.4	268.2
EBITDA	23.9	45.1	45.9
Adj. PAT	7.7	22.6	22.3
EPS (INR)	1,814	5,331	5,258
EPS Growth (%)	14.9	194.0	-1.4
BV/Share (INR)	34,688	39,839	44,897
Ratios			
RoE (%)	5.4	14.3	12.4
RoCE (%)	5.9	13.8	12.3
Payout (%)	9.6	3.4	3.8
Valuations			
P/E (x)	59.4	20.2	20.5
P/BV (x)	3.1	2.7	2.4
Div. Yield (%)	0.2	0.2	0.2
FCF yield (%)	-1.2	2.5	3.1

Shareholding pattern (%)

As On	Sep-23	Jun-23	Sep-22
Promoter	27.8	27.8	27.9
DII	11.2	11.7	12.5
FII	19.6	18.8	16.5
Others	41.5	41.7	43.2

FII Includes depository receipts

CMP: INR1,07,723 TP: INR97,000 (-10%) EBITDA in line despite a miss on revenue

Margin for 2QFY24 likely to have peaked

- MRF's 2QFY24 performance was a mixed bag as revenue was below estimate at INR60.9b (+6% YoY; est. INR64.1b), while EBITDA was in line at INR11.3b (+2.4x YoY). However, lower RM costs led to an EBITDA margin beat. Margin stood at 18.5% (vs. est. 17.5%). We believe the 2Q margin reflects most of the tailwinds and should see some moderation in the coming quarters.
- We tweak our FY24E/FY25E EPS by +3%/4% to factor in RM cost benefits partially offset by weaker revenue growth across categories. **Reiterate Sell** with a TP of INR97,000 (based on 18x Sep'25E EPS), as the stock trades at 20.5x FY25E EPS (in line with its 10-year LPA), which does not reflect its weakening competitive position and similar return ratios vs. its peers.

Better EBITDA margin driven by lower RM costs

- MRF's 2QFY24 revenue/EBITDA/Adj. PAT increased ~6%/2.4x/4.6x YoY to NR60.9b/INR11.3b/INR5.7b. 1HFY24 revenue/EBITDA/adj. PAT grew 10%/2.4x/4x YoY.
- Revenue rose 6% YoY (vs. CEAT's revenue growth of 5.5% YoY) to INR60.9b (est. INR64.05b).
- Gross margin expanded 11.1pp YoY (+200bp QoQ) to 40.8% (vs. est. 38.5%) as against CEAT's gross margin of 43.3% in 2QFY24.
- Despite higher-than-estimated other expenses and employee costs, EBITDA margin came in at 18.5% (+10.3pp YoY/90bp QoQ; vs. est. 17.5%) as against CEAT's margin of 14.6%. EBITDA surged 2.4x YoY to INR11.3b (in line) during the quarter.
- Adj. PAT too came in line at INR5.7b (+4.6x YoY/-2% QoQ).
- The Board declared its first interim dividend of INR3/share for FY24.
- FCFF came in at IN6.8b in 1HFY24 (vs. outflow of INR4.9b in 1HFY23). This was
 due to strong operating cash flows of INR19.8b (vs. INR8.5b in 1HFY23)
 despite capex being steady at INR13b similar to the last year's levels.

Valuation and view

- MRF's competitive positioning in the sector has weakened over the past few years, which reflects the dilution of pricing power in the PCR and TBR segments. This, coupled with the impact of the planned capex, should limit the expansion in return ratios. We expect MRF's return ratios to see a relatively lower uptick vs. peers over the next two years as its RoE is expected to reach 12.4% by FY25 (vs. APTY/CEAT estimated at 13.5%/17.2%).
- The stock is currently trading at 20.5x FY25E EPS, in line with its 10-year LPA, despite its weakening competitive position and similar capital efficiency as peers. Hence, we maintain our Sell rating on the stock with a TP of INR97,000 (premised on 18x Sep'25E EPS).

Jinesh Gandhi - Research analyst (Jinesh@MotilalOswal.com)

Ctandal	lana Oi	ıarterly E	orning N	
Stanual	ione - Oi	iai teriv c	יו צווווווצ וי	nouei

(INR Million)

Y/E March	FY23				FY24E				FY24E		
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE
Net Sales	55,989	57,190	55,349	57,254	63,233	60,876	61,438	61,086	2,25,782	2,46,632	64,053
YoY Change (%)	35.6	18.4	14.6	10.1	12.9	6.4	11.0	6.7	18.9	9.2	12.0
Total Expenditure	51,207	52,517	49,863	48,823	52,091	49,589	50,537	50,581	2,02,409	2,02,797	52,829
EBITDA	4,783	4,673	5,486	8,431	11,142	11,286	10,900	10,505	23,373	43,834	11,224
Margins (%)	8.5	8.2	9.9	14.7	17.6	18.5	17.7	17.2	10.4	17.8	17.5
Depreciation	2,969	3,083	3,149	3,285	3,317	3,500	3,650	3,741	12,486	14,208	3,440
Interest	635	704	802	839	780	749	760	763	2,981	3,052	800
Other Income	341	764	700	678	739	696	650	644	2,482	2,729	740
PBT before EO expense	1,519	1,650	2,235	4,985	7,783	7,734	7,140	6,645	10,389	29,304	7,724
Extra-Ord expense	0	0	0	-803	0	0	0	0	-803	0	0
PBT	1,519	1,650	2,235	5,788	7,783	7,734	7,140	6,645	11,192	29,304	7,724
Tax	395	410	543	1,682	1,969	2,015	1,814	1,674	3,030	7,472	1,947
Rate (%)	26.0	24.9	24.3	29.1	25.3	26.1	25.4	25.2	27.1	25.5	25.2
Reported PAT	1,123	1,240	1,692	4,106	5,814	5,719	5,327	4,970	8,162	21,831	5,778
Adj PAT	1,123	1,240	1,692	3,537	5,814	5,719	5,327	4,970	7,576	21,831	5,778
YoY Change (%)	-30.4	-32.4	16.0	125.6	417.6	361.3	214.8	40.5	17.0	188.2	366.0
Margins (%)	2.0	2.2	3.1	6.2	9.2	9.4	8.7	8.1	3.4	8.9	9.0

E: MOFSL Estimates

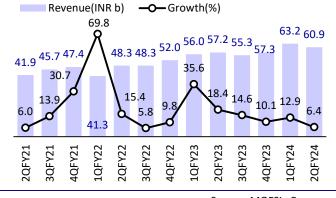
Key Performance Indicators

- /	-										
RM Cost(% of sales)	68.5	70.3	67.9	63.0	61.2	59.2	60.0	60.4	67.4	60.2	61.5
Staff Cost(% of sales)	6.5	6.8	7.3	7.0	6.5	7.1	7.1	7.1	6.9	7.0	6.5
Other costs(% of sales)	16.4	14.7	15.0	15.3	14.7	15.1	15.2	15.3	15.3	15.1	14.5
Gross Margin (%)	31.5	29.7	32.1	37.0	38.8	40.8	40.0	39.6	100.0	100.0	38.5
EBITDA Margin (%)	8.5	8.2	9.9	14.7	17.6	18.5	17.7	17.2	10.4	17.8	17.5

E: MOFSL Estimates

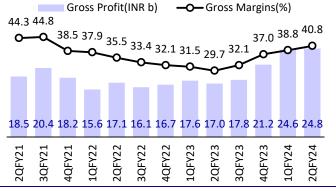
Key exhibits

Exhibit 1: Revenue trend



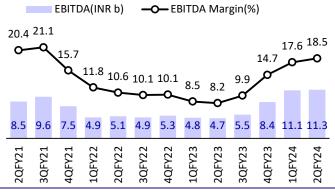
Source: MOFSL, Company

Exhibit 2: Trend in gross margin



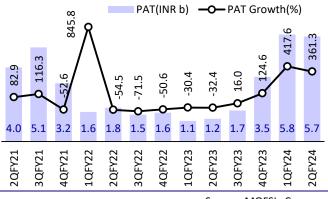
Source: MOFSL, Company

Exhibit 3: EBITDA and EBITDA margin trends



Source: MOFSL, Company

Exhibit 4: PAT and PAT growth trends



Source: MOFSL, Company

MOTILAL OSWAL

Valuation and view

■ Dilution in competitive positioning: MRF's leadership across major segments of T&B, 2Ws, and PCR had led to the creation of a strong brand and pricing power. However, aggressive competition in the recent past has dethroned MRF from the top spot in PCR and T&B and has resulted in an overall market share loss. Peers have started focusing on better margin segments like 2W and PVs, resulting in the dilution of MRF's competitive positioning. Moreover, higher exposure to the TBB segment, which is expected to see muted growth, makes it vulnerable to the trend of radialization in the T&B segment.

- FY23-25 led by stable OE demand and an expected recovery in the replacement segment. However, the recent capex, leading to lower capacity utilization, will keep margin and RoE in check over FY23-25E. We expect a ~39% CAGR in EBITDA over FY23-25 and a ~670bp expansion in margin to 17.1% (vs. 18.5% in 2QFY24). PAT is expected to report a ~70% CAGR over FY23-25. We project MRF's return ratios to see a relatively lower uptick vs. peers over the next two years as its RoE is anticipated to reach 12.4% by FY25 (vs. APTY/CEAT's estimated RoE of 13.5%/17.2%).
- **EBITDA** margin likely to have peaked: MRF's competitive positioning within the sector has weakened over the past few years, which reflects the dilution of pricing power in the PCR and TBR segments. This, coupled with the impact of capex to be carried out, should limit the expansion in return ratios.
- Steep valuations do not factor in the changing competitive dynamics; maintain Sell: We tweak our FY24E/FY25E EPS by +3%/4% to factor in RM cost benefits partially offset by weaker revenue growth across categories. The stock currently trades at 20.5x FY25E EPS, in line with its 10-year LPA, which does not reflect its weakening competitive position and similar capital efficiency as its peers.

 Maintain Sell with a TP of INR97,000/share.

Our revised forecasts (Consol)

Our revised forecasts (consol)									
(INR M)			FY25E						
·	Rev	Old	Chg (%)	Rev	Old	Chg (%)			
Net Sales	2,51,365	2,57,426	-2.4	2,68,244	2,79,765	-4.1			
EBITDA	45,082	44,003	2.5	45,862	44,233	3.7			
EBITDA (%)	17.9	17.1	80bp	17.1	15.8	130bp			
Adj. PAT	22,605	21,921	3.1	22,294	21,523	3.6			
EPS (INR)	5331	5170	3.1	5258	5076	3.6			

Exhibit 6: One-year forward P/B band



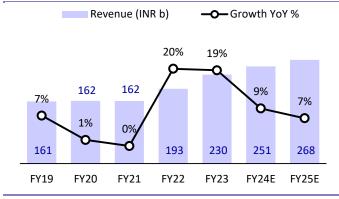
- P/B (x) Avg (x) Max (x) Min (x) +1SD - - -1SD 3.2 2.5 2.6 2.6 2.0 1.4 1.6 0.8 Jan-20 Apr-21 Oct-23 Oct-18

Source: MOFSL, Company Source: MOFSL, Company

MOTILAL OSWAL

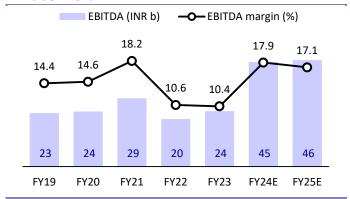
Story in charts

Exhibit 7: Revenue and growth trends



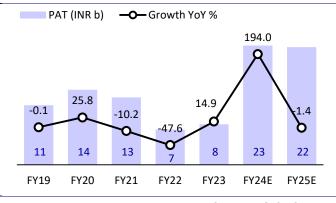
Source: MOFSL, Company

Exhibit 8: Trend in EBITDA



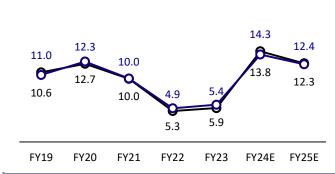
Source: MOFSL, Company

Exhibit 9: Trend in PAT



Source: MOFSL, Company

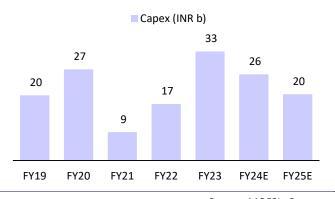
Exhibit 10: Trend in capital efficiency



─ RoE (%) **─** RoCE (%)

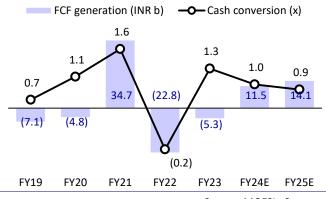
Source: MOFSL, Company

Exhibit 11: Trend in capex



Source: MOFSL, Company

Exhibit 12: FCF generation to be consistently positive



Source: MOFSL, Company

Financials and valuations

Consolidated - Income Statement							NR million
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Total Income from Operations	1,60,625	1,62,394	1,61,632	1,93,167	2,30,085	2,51,365	2,68,244
Change (%)	7.4	1.1	-0.5	19.5	19.1	9.2	6.7
EBITDA	23,054	23,740	29,423	20,498	23,891	45,082	45,862
EBITDA Margin (%)	14.4	14.6	18.2	10.6	10.4	17.9	17.1
Depreciation	8,076	9,823	11,408	12,051	12,531	14,253	16,047
EBIT	14,978	13,917	18,016	8,447	11,361	30,829	29,815
EBIT Margin (%)	9.3	8.6	11.1	4.4	4.9	12.3	11.1
Int. and Finance Charges	2,673	2,928	2,747	2,538	3,190	3,261	3,300
Other Income	4,217	3,354	2,099	3,170	2,527	2,774	3,410
PBT bef. EO Exp.	16,522	14,343	17,368	9,079	10,697	30,342	29,925
EO Items	0	0	0	0	0	0	0
PBT after EO Exp.	16,522	14,343	17,368	9,079	10,697	30,342	29,925
Tax Rate (%)	31.6	0.8	26.5	26.3	28.1	25.5	25.5
Reported PAT	11,306	14,226	12,771	6,692	7,690	22,605	22,294
Adjusted PAT	11,306	14,226	12,771	6,692	7,690	22,605	22,294
Change (%)	-0.1	25.8	-10.2	-47.6	14.9	194.0	-1.4
Consolidated - Balance Sheet Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	42	42	42	42	42	42	42
Total Reserves	1,08,331	1,22,105	1,34,094	1,40,275	1,47,034	1,68,876	1,90,322
Net Worth	1,08,374	1,22,147	1,34,137	1,40,318	1,47,077	1,68,918	1,90,364
Deferred Tax Liabilities	8,402	4,289	3,802	1,537	1,214	1,214	1,214
Total Loans	21,024	18,375	20,398	28,180	24,295	22,295	22,295
Capital Employed	1,37,801	1,44,812	1,58,339	1,70,036	1,72,587	1,92,428	2,13,875
Gross Block	94,725	1,24,267	1,40,786	1,52,874	1,69,729	1,95,729	2,15,729
Less: Accum. Deprn.	26,863	35,570	46,378	57,656	68,549	82,802	98,849
Net Fixed Assets	67,862	88,698	94,408	95,218	1,01,180	1,12,927	1,16,880
Capital WIP	14,035	17,409	10,022	12,331	30,459	30,459	30,459
Total Investments	38,547	15,193	58,740	36,565	30,851	30,851	30,851
Curr. Assets, Loans&Adv.	63,969	73,123	62,649	84,066	78,572	88,577	1,11,957
Inventory	29,932	29,052	29,388	41,297	41,411	37,127	40,024
Account Receivables	23,827	22,994	22,543	23,327	25,033	28,924	33,071
Cash and Bank Balance	1,045	11,811	1,694	2,561	2,585	10,819	24,164
Loans and Advances	9,164	9,266	9,024	16,881	9,544	11,707	14,698
Curr. Liability & Prov.	46,612	49,611	67,480	58,144	68,475	70,385	76,272
Account Payables	17,094	19,053	34,414	20,568	24,358	22,606	25,589
Other Current Liabilities	26,235	27,097	28,915	33,541	39,592	43,254	46,159
Provisions	3,284	3,461	4,150	4,035	4,525	4,525	4,525
Net Current Assets	17,357	23,512	-4,831	25,923	10,098	18,192	35,685
Appl. of Funds	1,37,801	1,44,812	1,58,339	1,70,036	1,72,587	1,92,428	2,13,875

Appl. of Funds
E: MOFSL Estimates

Financials and valuations

Ratios							
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)							
EPS	2,667	3,355	3,012	1,578	1,814	5,331	5,258
Cash EPS	4,571	5,672	5,702	4,420	4,769	8,693	9,043
BV/Share	25,560	28,808	31,636	33,094	34,688	39,839	44,897
FCF per share	-1,676	-1,126	8,191	-5,384	-1,261	2,709	3,321
DPS	60	65	150	150	175	180	200
Payout (%)	2.7	2.3	5.0	9.5	9.6	3.4	3.8
Valuation (x)							
P/E	40.4	32.1	35.8	68.3	59.4	20.2	20.5
P/BV	4.2	3.7	3.4	3.3	3.1	2.7	2.4
EV/Sales	2.7	2.8	2.6	2.3	1.9	1.7	1.6
EV/EBITDA	19.0	18.9	14.2	21.8	18.7	9.7	9.2
Dividend Yield (%)	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Return Ratios (%)							
RoE	11.0	12.3	10.0	4.9	5.4	14.3	12.4
RoCE	10.6	12.7	10.0	5.3	5.9	13.8	12.3
ROIC	13.2	15.0	14.1	6.0	7.2	20.1	17.9
Working Capital Ratios							
Fixed Asset Turnover (x)	1.7	1.3	1.1	1.3	1.4	1.3	1.2
Asset Turnover (x)	1.2	1.1	1.0	1.1	1.3	1.3	1.3
Working Cap. Turnover (Days)	37	26	-15	44	12	11	16
Leverage Ratio (x)							
Current Ratio	1.4	1.5	0.9	1.4	1.1	1.3	1.5
Interest Cover Ratio	5.6	4.8	6.6	3.3	3.6	9.5	9.0
Net Debt:Equity (x)	-0.2	-0.1	-0.3	-0.1	-0.1	-0.1	-0.2

						INR million
FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
16,522	14,343	17,368	9,079	10,697	30,342	29,925
8,076	9,823	11,408	12,051	12,531	14,253	16,047
2,673	2,928	2,747	2,538	3,190	3,261	3,300
-4,156	-4,418	-5,168	-2,135	-3,278	-7,737	-7,631
-7,844	2,285	18,222	-25,088	6,357	140	-4,148
-2,742	-2,235	-1,331	-2,226	-1,943	-2,774	-3,410
12,529	22,726	43,246	-5,780	27,555	37,484	34,083
-19,633	-27,499	-8,516	-17,046	-32,901	-26,000	-20,000
-7,105	-4,773	34,730	-22,827	-5,346	11,484	14,083
5,960	25,852	-43,336	23,831	6,512	0	0
-189	10	989	-5,097	7,171	2,874	3,410
-13,862	-1,637	-50,862	1,687	-19,218	-23,126	-16,590
0	0	0	0	0	0	0
3,523	-6,347	1,435	8,199	-3,854	-2,000	0
-2,702	-2,809	-2,540	-2,361	-2,698	-3,261	-3,300
-307	-307	-424	-636	-636	-763	-848
-93	-861	-971	-965	-1,207	0	0
422	-10,324	-2,500	4,238	-8,395	-6,025	-4,148
-911	10,766	-10,117	145	-59	8,334	13,345
1,931	1,019	11,785	2,399	2,544	2,485	10,819
1,020	11,785	1,668	2,544	2,485	10,819	24,164
	16,522 8,076 2,673 -4,156 -7,844 -2,742 12,529 -19,633 -7,105 5,960 -189 -13,862 0 3,523 -2,702 -307 -93 422 -911 1,931	16,522 14,343 8,076 9,823 2,673 2,928 -4,156 -4,418 -7,844 2,285 -2,742 -2,235 12,529 22,726 -19,633 -27,499 -7,105 -4,773 5,960 25,852 -189 10 -13,862 -1,637 0 0 3,523 -6,347 -2,702 -2,809 -307 -307 -93 -861 422 -10,324 -911 10,766 1,931 1,019	16,522 14,343 17,368 8,076 9,823 11,408 2,673 2,928 2,747 -4,156 -4,418 -5,168 -7,844 2,285 18,222 -2,742 -2,235 -1,331 12,529 22,726 43,246 -19,633 -27,499 -8,516 -7,105 -4,773 34,730 5,960 25,852 -43,336 -189 10 989 -13,862 -1,637 -50,862 0 0 0 3,523 -6,347 1,435 -2,702 -2,809 -2,540 -307 -307 -424 -93 -861 -971 422 -10,324 -2,500 -911 10,766 -10,117 1,931 1,019 11,785	16,522 14,343 17,368 9,079 8,076 9,823 11,408 12,051 2,673 2,928 2,747 2,538 -4,156 -4,418 -5,168 -2,135 -7,844 2,285 18,222 -25,088 -2,742 -2,235 -1,331 -2,226 12,529 22,726 43,246 -5,780 -19,633 -27,499 -8,516 -17,046 -7,105 -4,773 34,730 -22,827 5,960 25,852 -43,336 23,831 -189 10 989 -5,097 -13,862 -1,637 -50,862 1,687 0 0 0 0 3,523 -6,347 1,435 8,199 -2,702 -2,809 -2,540 -2,361 -307 -307 -424 -636 -93 -861 -971 -965 422 -10,324 -2,500 4,238 -911 10,766 -10,117 145 1,931 1,019 <t< td=""><td>16,522 14,343 17,368 9,079 10,697 8,076 9,823 11,408 12,051 12,531 2,673 2,928 2,747 2,538 3,190 -4,156 -4,418 -5,168 -2,135 -3,278 -7,844 2,285 18,222 -25,088 6,357 -2,742 -2,235 -1,331 -2,226 -1,943 12,529 22,726 43,246 -5,780 27,555 -19,633 -27,499 -8,516 -17,046 -32,901 -7,105 -4,773 34,730 -22,827 -5,346 5,960 25,852 -43,336 23,831 6,512 -189 10 989 -5,097 7,171 -13,862 -1,637 -50,862 1,687 -19,218 0 0 0 0 0 3,523 -6,347 1,435 8,199 -3,854 -2,702 -2,809 -2,540 -2,361 -2,698 -307 -361 -971 -965 -1,207</td><td>16,522 14,343 17,368 9,079 10,697 30,342 8,076 9,823 11,408 12,051 12,531 14,253 2,673 2,928 2,747 2,538 3,190 3,261 -4,156 -4,418 -5,168 -2,135 -3,278 -7,737 -7,844 2,285 18,222 -25,088 6,357 140 -2,742 -2,235 -1,331 -2,226 -1,943 -2,774 12,529 22,726 43,246 -5,780 27,555 37,484 -19,633 -27,499 -8,516 -17,046 -32,901 -26,000 -7,105 -4,773 34,730 -22,827 -5,346 11,484 5,960 25,852 -43,336 23,831 6,512 0 -189 10 989 -5,097 7,171 2,874 -13,862 -1,637 -50,862 1,687 -19,218 -23,126 0 0 0 0 0 0 0 3,523 -6,347 1,435 8,199 -</td></t<>	16,522 14,343 17,368 9,079 10,697 8,076 9,823 11,408 12,051 12,531 2,673 2,928 2,747 2,538 3,190 -4,156 -4,418 -5,168 -2,135 -3,278 -7,844 2,285 18,222 -25,088 6,357 -2,742 -2,235 -1,331 -2,226 -1,943 12,529 22,726 43,246 -5,780 27,555 -19,633 -27,499 -8,516 -17,046 -32,901 -7,105 -4,773 34,730 -22,827 -5,346 5,960 25,852 -43,336 23,831 6,512 -189 10 989 -5,097 7,171 -13,862 -1,637 -50,862 1,687 -19,218 0 0 0 0 0 3,523 -6,347 1,435 8,199 -3,854 -2,702 -2,809 -2,540 -2,361 -2,698 -307 -361 -971 -965 -1,207	16,522 14,343 17,368 9,079 10,697 30,342 8,076 9,823 11,408 12,051 12,531 14,253 2,673 2,928 2,747 2,538 3,190 3,261 -4,156 -4,418 -5,168 -2,135 -3,278 -7,737 -7,844 2,285 18,222 -25,088 6,357 140 -2,742 -2,235 -1,331 -2,226 -1,943 -2,774 12,529 22,726 43,246 -5,780 27,555 37,484 -19,633 -27,499 -8,516 -17,046 -32,901 -26,000 -7,105 -4,773 34,730 -22,827 -5,346 11,484 5,960 25,852 -43,336 23,831 6,512 0 -189 10 989 -5,097 7,171 2,874 -13,862 -1,637 -50,862 1,687 -19,218 -23,126 0 0 0 0 0 0 0 3,523 -6,347 1,435 8,199 -

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.

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 Motilal Oswal Financial Services Limited available http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

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

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

A graph of daily closing prices of securities is available at www.nseindia.com, www.nseindia.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.

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

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

For U.S.

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

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

For Singapore

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

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company. MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- Research Analyst has not served as director/officer/employee in the subject company
- 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 in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- MOFSL has not engaged in market making activity for the subject company

4 November 2023

The associates of MOFSL may have:

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

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

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

Analyst Certification

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

Terms & Conditions:

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

Disclaimer:

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

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

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

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