

# **Navin Fluorine**

Estimate change
TP change
Rating change

Bloomberg	NFIL IN
Equity Shares (m)	50
M.Cap.(INRb)/(USDb)	219.3 / 2.7
52-Week Range (INR)	4847 / 3196
1, 6, 12 Rel. Per (%)	-6/10/30
12M Avg Val (INR M)	830

### Financials & Valuations (INR b)

Y/E March	FY22	FY23E	FY24E
Sales	14.0	19.1	27.3
EBITDA	3.6	4.8	7.3
PAT	2.7	3.5	5.3
EPS (INR)	53.8	70.6	107.8
EPS Gr. (%)	6	31	53
BV/Sh.(INR)	376	432	518
Ratios			
Net D:E	(0.0)	0.0	0.0
RoE (%)	15.2	17.5	22.7
RoCE (%)	15.1	17.3	21.9
Payout (%)	20.4	20.4	20.4
Valuations			
P/E (x)	81.6	62.1	40.7
P/BV (x)	11.7	10.1	8.5
EV/EBITDA (x)	60.9	45.6	29.8
Div. Yield (%)	0.3	0.3	0.5
FCF Yield (%)	0.8	(0.1)	0.1

### **Shareholding pattern (%)**

As On	Jun-22	Mar-22	Jun-21
Promoter	29.7	29.7	30.2
DII	20.8	18.3	15.2
FII	21.4	23.5	26.7
Others	28.1	28.5	28.0

FII Includes depository receipts

CMP: INR4,426 TP: INR4,311 (-3% ) Neutral

### **Easier raw material sourcing to help better operating margins**

- NFIL reported an EBITDA/PAT that was 26%/29% lower than our estimate, primarily due to delay in commercialization of HFOs. Gross margin stood at 55.9%, expanding 130bp sequentially, while EBITDA margin contracted 130bp QoQ to 24.6%.
- The High Performance Products (HPP) and Specialty Chemicals businesses (up 76%/45% YoY) registered steep growth, driven by higher sales in the domestic market as well as the international markets and a few strong partnerships. However, the CDMO business declined for the second straight quarter (-52% YoY).
- The company implemented a new organizational structure with three separate business units, led by three operating CEOs in 1HFY23. The HPP business is being led by Mr. Partha Roy Chowdhury (also serving as interim CFO of the company); CDMO business by Mr. Ravi Venkatraman and the Specialty Chemicals business by Mr. Amrit Singh as CEO, who has been with NFIL for 2.5 years now.
- We assume an EBITDA margin of 25-27% over FY23-24, factoring in the commissioning of various projects already underway. We cut out FY23 EBITDA/EPS estimates by 11%/12% due to delays in completion of projects, while keeping our FY24 numbers unchanged.
- We expect a revenue/EBITDA/PAT CAGR of 39%/44%/42% over FY22-24, and value the company at 40x FY24 EPS to arrive at our TP of INR4, 311. We reiterate our Neutral rating, owing to limited upside in the stock.

### EBITDA misses our estimate; sequential expansion in margins

- Navin Fluorine (NFIL) reported revenue of INR3.7b (+13% YoY, -5% QoQ).
- EBITDA margin came in at 24.6% (-120bp YoY, -130bp QoQ) with EBITDA at INR900m in 2QFY23.
- Gross margin was at 55.9% (v/s 54.5% in 1QFY23)
- PAT stood at INR641m in 2QFY23 (+3% YoY, -19% QoQ), translating into an EPS of INR13 (v/s INR16 in 1QFY23).
- NFIL has declared an interim dividend of INR5/share (FV of INR2/share).
- For 1HFY23, its revenue stood at INR7.5b (+18% YoY), EBITDA at INR1.9b (+18% YoY) and PAT at INR1.4b (+21% YoY)
- NFIL's EBITDA margin was at 25.2% for 1HFY23 flat YoY v/s 1HFY22
- NFASL, the wholly owned subsidiary of NFIL, has commenced commercial production of Hydrofluoroolefins post its successful completion of commercial trials in 2QFY23.
- The customer has validated the product specification for the requisite batch quantities on agreed parameters.

**Swarnendu Bhushan – Research Analyst** (Swarnendu.Bhushan@MotilalOswal.com)

### HPP business leads the show in segmental revenue

- The **HPP business** posted revenue of INR2.1b (+76% YoY, +39 % QoQ) in 2QFY23, led by higher sales in both the domestic and international markets.
- Revenue from this segment includes revenue of NFASL for the supply of Hydrofluoroolefins in 2QFY23.
- The company also announced that R32 production is set to start from 1QFY24E
- The **Specialty Chemicals business** clocked a revenue of INR1.8b (+45% YoY, flat QoQ) in 2QFY23 recording the highest ever quarterly revenue, backed by strong partnerships.
- The pipeline remains strong for growth opportunities, with two new plants expected to start in 3QFY23.
- The **CDMO business** reported weak numbers for the second straight quarter with a revenue of INR390m (-52% YoY, -34% QoQ).
- The c-GMP-3 plant capacity expansion work is on track to be commissioned in 3QFY23E with the successful completion of plant audits by two pharma innovators.
- NFIL has also received PO of USD16m to supply for a late-stage clinical trial.
- The revenue mix in 2QFY23 stood at 49% for HPP business (39% in 1QFY23), 9% for CDMO business (15%) and 41% for Specialty Chemicals business (45%).
- Domestic sales were 45% of the total revenue in 2QFY23, while the rest was exports (55% in 1QFY23). Domestic sales stood at 46% for the HPP business and 44% for the Specialty Chemicals business. Exports contributed 100% of the CDMO business revenue.

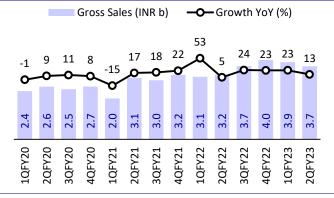
### **Valuation and View**

- NFIL announced that the INR800m debottlenecking capex approved last quarter would be for a new line of R-32 capacity in its existing capacity where R-22 capacities are set up. Some production is expected to be done in CY23 with ramp up in CY24 and a revenue potential of INR2b (earlier guidance was for INR1.5b). Further, a business case is being prepared for cGMP-4 to take to the board for approval by end-FY23.
- The Specialty Chemicals and the CDMO segment will continue to drive robust growth (17-37% CAGR over FY22-24E) with increasing use of fluorine in the Pharma and Agro space and the company receiving new orders.
- The management expects MPP to hit peak annual revenue in the next three years. The plant is going to get commissioned in phases from 2HFY23 onwards. Production of the agrochemical intermediate would also start from Dec'22, which was earlier expected to start by end-FY23.
- The stock is trading at 62x/41x FY23E/FY24E EPS of INR71/INR108, with an expected improvement in return ratios to 17-26% (+600bp v/s FY21), despite a huge capex (INR6.8b over the next two years). We value the company at 40x FY24E EPS to arrive at our TP of INR4, 311. We reiterate our Neutral rating on the stock.

Y/E March		FY22					FY23				FY23E	Var
.,	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE	FY22	FY23E	2QE	(%)
Gross Sales	3,139	3,244	3,670	3,984	3,868	3,664	4,870	6,696	14,036	19,099	4,545	-19%
YoY Change (%)	53.3	5.4	23.7	22.9	23.3	12.9	32.7	68.1	23.9	36.1	40.1	
Gross Margin (%)	54.9%	55.4%	55.9%	52.3%	54.5%	55.9%	53.6%	54.4%	54.5%	54.5%	57.1%	-1.2%
EBITDA	780	835	981	958	999	900	1,202	1,672	3,554	4,773	1,210	-26%
Margin (%)	24.8	25.8	26.7	24.0	25.8	24.6	24.7	25.0	25.3	25.0	26.6	-2.1
Depreciation	109	110	112	112	115	118	123	107	443	463	119	
Interest	4	3	4	6	3	3	3	8	17	17	3	
Other Income	76	85	72	141	142	84	72	84	375	382	116	
PBT before EO expense	743	808	937	982	1,023	863	1,148	1,640	3,470	4,675	1,203	-28%
Extra-Ord. expense	0	0	0	0	0	0	0	0	0	0	0	
PBT	743	808	937	982	1,023	863	1,148	1,640	3,470	4,675	1,203	-28%
Tax	179	187	246	194	234	222	284	437	805	1,177	303	
Rate (%)	24.1	23.2	26.2	19.8	22.8	25.7	24.7	26.6	23.2	25.2	25.2	
Reported PAT	564	621	692	788	790	641	864	1,203	2,664	3,498	900	-29%
Adj. PAT	564	621	692	788	790	641	864	1,203	2,664	3,498	900	-29%
YoY Change (%)	9.4	-7.8	17.8	11.0	39.9	3.3	24.9	52.8	6.2	31.3	44.9	
Margin (%)	18.0	19.1	18.8	19.8	20.4	17.5	17.7	18.0	19.0	18.3	19.8	-2.3

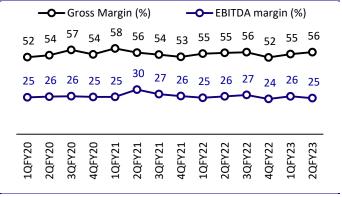
# **Story in charts**

Exhibit 1: Sales rose 13% YoY but declined 5% QoQ, led by decline in the CDMO business



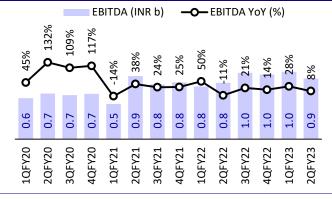
Sources: Company reports, MOFSL

Exhibit 2: Gross margin expanded while EBITDAM contracted on a sequential basis



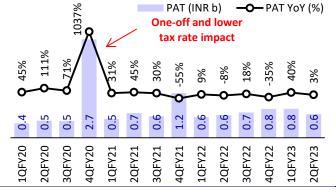
Sources: Company reports, MOFSL

Exhibit 3: EBITDA grew 8% YoY, with EBITDA margin at 24.6% in 2QFY23



Sources: Company reports, MOFSL

Exhibit 4: PAT up 3% YoY (down 19% QoQ), margin at 17.5% in 2QFY23



Sources: Company reports, MOFSL

Exhibit 5: Specialty Chemicals grew 45% YoY (flat QoQ)

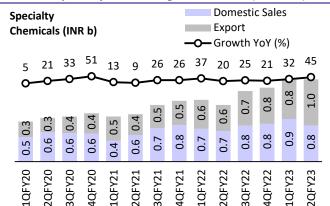
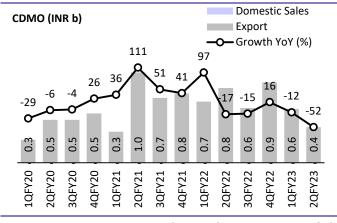


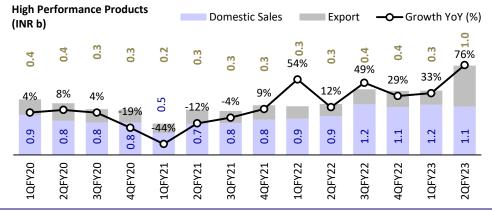
Exhibit 6: CDMO declined 52% YoY and 34% QoQ



Sources: Company reports, MOFSL

Sources: Company reports, MOFSL

Exhibit 7: High Performance Products (HPP) grew 76% YoY (up 39% QoQ)



Sources: Company reports, MOSL

Exhibit 8: Revenue mix improved for the HPP segment at 49%, while it declined for CDMO at 9% and was at 41% for the Specialty Chemicals segment

Reven	ue Mix	(%)		High P	erform	iance P	roduct	s 🔳	CDMO	■ Sp	pecialty	Chem	icals
10% 36%	%98 %	%88%	%68 9	47%	% 33%	41%	40%	42%	38%	6 41%	40%	45%	6 41%
54% 10	46% 18%	43% 19%	40% 20%	36% 17%	35% 32%	35% 24%	36% 23%	36% 21%	37% 25%	42% 16%	38% 22%	39% 15%	49% 9%
1QFY20	2QFY20	3QFY20	4QFY20	1QFY21	2QFY21	3QFY21	4QFY21	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23

Sources: Company reports, MOSL

# Key highlights from the management commentary

### **Operational highlights**

- All the three verticals (Pharma, agro, and Industrial) performed well, leading to record quarterly revenues in the **Specialty Chemicals business** with the segment having a rich pipeline of differentiated business opportunities.
- In the HPP business, erstwhile legacy business (Refrigerants and Inorganic Fluorides) showed strong growth in the quarter, driven by the start of commercial supply of Hydrofluoroolefins (HFO).
- The **CDMO business** is looking soft for CY22 and it also reflected in 2QFY23 performance. Discussion on cGMP-4 is ongoing and the management would take this proposal to the board by end-FY23. The management expects quarterly run rate of ~USD10m to return in 3QFY23 with CY24 outlook looking strong.

### Capex updates for the rest of FY23 and full year FY24

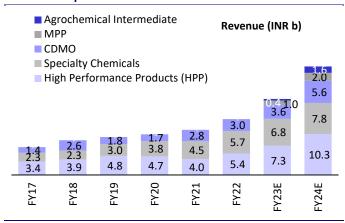
- Commercial production in MPP will start in a phased manner in 2HFY23 with the production of agrochemical intermediate to start from Dec'22 (earlier guidance of start of production from end-FY23).
- The R-32 capacity that is being set with a capex of INR800m would ramp up in CY24 with some production to start in CY23 (Apr'23). Further expansion of R32 capacity is expected and the proposal would be taken to the board at an opportune time.
- The company is working on the debottlenecking of Hydrofluoric Acid (HF) capacity in Surat and the expanded capacity should be 15-20% more than the existing one.

### **Other Highlights**

- The HPP business is being led by Mr. Partha Roy Chowdhury (also serving as interim CFO of the company) and the CDMO business by Mr. Ravi Venkatraman, who comes with 30 years of experience in CDMO and pharma businesses. He was CEO of the CDMO arm of Dr. Reddy's and worked with Dr. Reddy both in India and outside India for many years. The Specialty Chemicals business is being led by Mr. Amrit Singh as CEO, who has been with NFIL for 2.5 years now. He has worked in the Agrochem industry and started his career with NOCIL and then moved to Unilever
- The company started commercial production of hydrofluoroolefins (HFO) to cater to the increasing demand from the end market. The management is of the view that there could be an uptick in supply to the customers than the one agreed upon.
- The plant is expected to run close to optimum capacity from end-3QFY23. On the RM side, the company should be able to procure all RMs easily from Dec'22 onwards. We can see an upward revision of 15-20% in the contract value in CY23.
- The ESOP plan that has been announced is for the top management MD and the three CEOs of the three business segments
- Opportunities are emerging in the new business segments.
- The Surat plant is running at 70-75% capacity utilization.

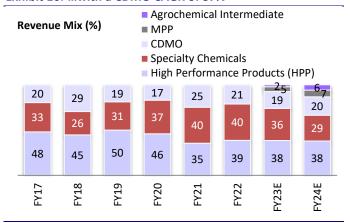
# **Financial story in charts**

Exhibit 9: Expect ~39% revenue CAGR over FY22-24...



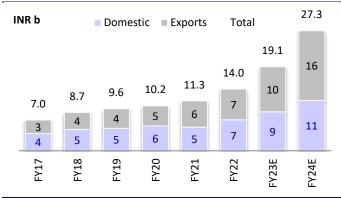
Sources: Company reports, MOFSL

Exhibit 10: ...with a CDMO CAGR of 37%



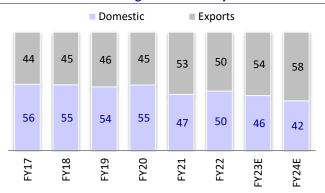
Sources: Company reports, MOFSL

Exhibit 11: Exports were ~50% of total revenue in FY22...



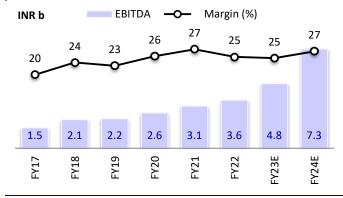
Sources: Company reports, MOFSL

Exhibit 12: ...and is set to grow to ~58% by FY24



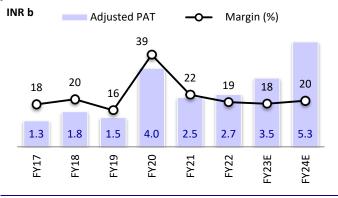
Sources: Company reports, MOFSL

Exhibit 13: Expect ~44% EBITDA CAGR over FY22-24...



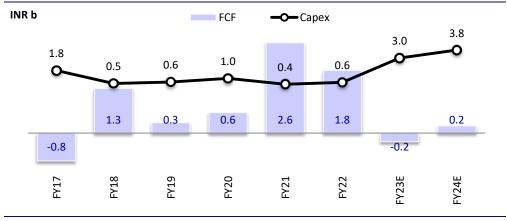
Sources: Company reports, MOFSL

Exhibit 14: ...with a PAT CAGR of ~42% over the same period



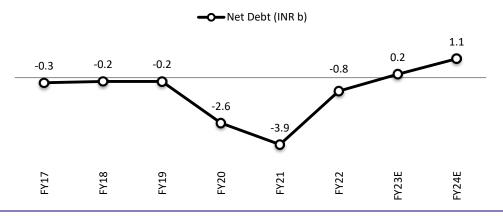
Sources: Company reports, MOFSL

Exhibit 15: Capex for the next three years is INR6.8b...



Sources: Company reports, MOFSL

Exhibit 16: ...to be funded via internal accruals and debt



Sources: Company reports, MOFSL

# **Financials and valuations**

Standalone - Income Statement	EV4.7	EV40	EVAO	EV20	EV/24	EVO	EVANE	(INR m)
Y/E March	7,368	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Total Income from Operations	8.6	<b>8,861</b> 20.3	9,551	10,223	11,331	14,036	19,099	<b>27,278</b> 42.8
Change (%) Gross Margin (%)	57.9	56.6	7.8	7.0	10.8 54.9	23.9	36.1 54.5	42.8 54.5
EBITDA	1,499	2,107	52.3	54.5 <b>2,607</b>	3,108	54.5	4,773	
Margin (%)	20.3	23.8	<b>2,181</b> 22.8	25.5	27.4	<b>3,554</b> 25.3	25.0	<b>7,323</b> 26.8
	20.3				407	443		
Depreciation EBIT	1,216	382	259	337			463 <b>4,309</b>	579 6 744
Int. and Finance Charges	5	<b>1,725</b>	<b>1,922</b>	<b>2,270</b> 16	<b>2,702</b>	<b>3,112</b>	<b>4,309</b>	<b>6,744</b> 17
Other Income	557	906	348	313	745	375	382	409
PBT bef. EO Exp.	1,768	2,625	2,265	2,567		3,470	4,6 <b>75</b>	
·	0	0	0	<b>2,307</b>	<b>3,433</b> 662	0	4,075	<b>7,137</b> 0
EO Items								
PBT after EO Exp. Total Tax	<b>1,768</b> 441	2,625	<b>2,265</b> 780	<b>2,567</b>	4,095	3,470	4,675	<b>7,137</b>
	25.0	835 31.8	34.5	-1,431 -55.7	1,103 26.9	806 23.2	1,177 25.2	1,796
Tax Rate (%) Reported PAT								25.2
Adjusted PAT	1,326 1,326	1,790 1,790	1,485 1,485	3,998 3,998	2,992 2,508	2,664 2,664	3,498 3,498	5,340 5,340
Change (%)	53.4	34.9	-17.0	169.3	-37.3	6.2	31.3	52.7
Margin (%)	18.0	20.2	15.5	39.1	22.1	19.0	18.3	19.6
iviaigiii (70)	10.0	20.2	13.3	33.1	22.1	13.0	10.3	19.0
Standalone - Balance Sheet								(INR m)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Equity Share Capital	98	99	99	99	99	99	99	99
Total Reserves	8,137	9,601	10,493	13,790	16,402	18,543	21,327	25,576
Net Worth	8,235	9,700	10,592	13,889	16,501	18,642	21,426	25,675
Total Loans	0	0	0	0	0	0	250	1,200
Deferred Tax Liabilities	207	239	295	206	167	167	167	167
Capital Employed	8,443	9,939	10,887	14,096	16,668	18,809	21,843	27,042
Gross Block	4,377	3,232	3,511	4,643	4,937	5,631	8,631	12,431
Less: Accum. Deprn.	272	477	715	1,053	1,459	1,902	2,365	2,945
Net Fixed Assets	4,105	2,755	2,796	3,591	3,478	3,729	6,265	9,486
Capital WIP	168	201	393	389	365	259	259	259
Total Investments	3,157	5,219	5,267	3,387	4,503	6,187	6,187	6,187
Curr. Assets, Loans, and Adv.	3,805	3,817	4,224	7,042	10,320	11,064	12,446	15,776
Inventory	989	924	929	1,361	1,543	2,295	3,136	4,368
Account Receivables	1,308	1,471	1,675	2,093	2,759	3,521	4,791	6,843
Cash and Bank Balance	297	219	224	2,641	3,889	782	52	97
Cash	224	136	127	1,692	761	735	5	51
Bank Balance	74	83	97	890	3,128	47	47	47
Loans and Advances	1,211	1,203	1,397	947	2,128	4,467	4,467	4,467
Curr. Liability and Prov.	2,793	2,053	1,794	1,644	1,998	2,430	3,315	4,666
Account Payables	760	889	679	922	1,027	1,416	1,935	2,695
Other Current Liabilities	1,941	1,056	1,005	590	824	834	1,134	1,620
Provisions	91	108	110	131	147	180	245	351
Net Current Assets	1,012	1,764	2,431	5,398	8,322	8,635	9,131	11,110
Appl. of Funds	8,443	1,704	2,731	3,330	0,322	0,033	21,843	27,042

8 20 October 2022

MOTILAL OSWAL

# **Financials and valuations**

Ratios								
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Basic (INR)	1127	11120	11123	1120			11232	11242
EPS EPS	26.8	36.2	30.0	80.8	50.7	53.8	70.6	107.8
EPS Growth (%)	53.4	34.9	-17.0	169.3	-37.3	6.1	31.3	52.7
Cash EPS	32.5	43.9	35.2	87.6	58.9	62.7	79.9	119.5
BV/Share	166.4	196.0	214.1	280.7	333.5	376.2	432.4	518.2
DPS	5.3	7.0	7.8	11.0	11.0	11.0	14.4	22.0
Payout (%)	26.2	19.9	41.7	17.9	18.2	20.4	20.4	20.4
Valuation (x)			,			20		
P/E	163.6	121.2	146.1	54.3	86.5	81.6	62.1	40.7
Cash P/E	134.8	99.9	124.4	50.0	74.4	69.9	54.8	36.7
P/BV	26.3	22.4	20.5	15.6	13.1	11.7	10.1	8.5
EV/Sales	29.4	24.5	22.7	21.0	18.8	15.4	11.4	8.0
EV/EBITDA	144.5	102.9	99.4	82.2	68.5	60.9	45.6	29.8
Dividend Yield (%)	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.5
FCF per share	-16.2	25.7	5.9	11.8	52.1	36.1	-5.0	4.1
Return Ratios (%)	10.2	23.7	3.3	11.0	32.1	30.1	3.0	7.1
RoE	17.2	20.0	14.6	32.7	16.5	15.2	17.5	22.7
RoCE	16.4	19.5	14.3	32.2	16.4	15.1	17.3	21.9
RoIC	19.5	25.8	27.1	55.7	25.3	24.5	24.0	28.2
Working Capital Ratios	13.3	23.0		33.7	23.3	21.3	2 1.0	20.2
Fixed Asset Turnover (x)	2.2	2.6	3.4	3.2	3.2	3.9	3.8	3.5
Asset Turnover (x)	0.9	0.9	0.9	0.7	0.7	0.7	0.9	1.0
Inventory (Days)	49	38	35	49	50	60	60	58
Debtor (Days)	65	61	64	75	89	92	92	92
Creditor (Days)	38	37	26	33	33	37	37	36
Leverage Ratio (x)						0,	<u> </u>	
Current Ratio	1.4	1.9	2.4	4.3	5.2	4.6	3.8	3.4
Net Debt/Equity ratio	0.0	0.0	0.0	-0.2	-0.2	0.0	0.0	0.0
Standalone - Cash Flow Statement								(INR m)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
OP/(Loss) before Tax	1,768	2,625	2,265	2,567	4,095	3,470	4,675	7,137
Depreciation	284	382	259	337	407	443	463	579
Others	-519	-694	-277	-210	-1,054	-272	17	17
Direct Taxes Paid	-306	-496	-710	-456	-186	-807	-1,177	-1,796
(Inc.)/Dec. in WC	-275	-90	-637	-684	-305	-467	-1,227	-1,933
CF from Operations	951	1,727	900	1,555	2,958	2,366	2,751	4,003
Capex	-1,750	-457	-606	-972	-382	-575	-3,000	-3,800
Free Cash Flow	-800	1,270	294	582	2,576	1,791	-249	203
Change in Investments	133	-1,338	190	1,706	-914	2,933	0	0
CF from Investments	-196	-1,489	-315	766	-3,452	-1,812	-3,000	-3,800
Inc./(Dec.) in Debt	-299	0	0	0	0	0	250	950
Interest Paid	-5	-7	-5	-16	-14	-17	-17	-17
Dividend Paid	-343	-350	-611	-714	-394	-542	-715	-1,091
CF from Fin. Activity	-623	-326	-595	-756	-437	-579	-481	-158
Inc./Dec. in Cash	131	-87	-9	1,565	-931	-25	-730	46
Opening Balance	94	224	136	127	1,692	760	735	5

## NOTES

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

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

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

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

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

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

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

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

### Regional Disclosures (outside India)

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

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

### For U.S.

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

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

### For Singapore

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

### Specific Disclosures

- 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

11 20 October 2022

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.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022-3980 4263; <a href="https://www.motilaloswal.com">www.motilaloswal.com</a>. 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: <a href="mailto:na@motilaloswal.com">na@motilaloswal.com</a>, Contact No::022-71881085.

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL: IN-DP-16-2015; NSDL: IN-DP-NSDL-152-2000; 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.