

SRF

Neutral

Estimate change

TP change

Rating change



Motilal Oswal values your support in the Asiamoney Brokers Poll 2022 for India Research, Sales, Corporate Access and Trading team. We request your ballot.



Bloomberg	SRF IN
Equity Shares (m)	297
M.Cap.(INRb)/(USDb)	678.9 / 8.5
52-Week Range (INR)	2773 / 1515
1, 6, 12 Rel. Per (%)	-2/-3/39
12M Avg Val (INR m)	2564

Financials & Valuations (INR b)

Y/E Mar	2022	2023E	2024E
Sales	124.3	155.9	173.6
EBITDA	31.0	38.4	42.0
PAT	18.2	24.1	26.1
EBITDA (%)	25.0	24.7	24.2
EPS (INR)	61.1	81.2	87.6
EPS Gr. (%)	53.1	32.9	8.0
BV/Sh. (INR)	288	351	422
Ratios			
Net D/E	0.3	0.3	0.2
RoE (%)	23.6	25.4	22.7
RoCE (%)	17.2	19.1	18.1
Payout (%)	26.4	21.2	19.4
Valuations			
P/E (x)	37.5	28.2	26.1
EV/EBITDA (x)	22.8	18.6	16.9
Div Yield (%)	0.7	0.7	0.7
FCF Yield (%)	0.4	0.1	1.8

Shareholding pattern (%)

As On	Jun-22	Mar-22	Jun-21
Promoter	50.7	50.7	50.8
DII	9.4	8.7	11.9
FII	19.2	19.6	18.4
Others	20.7	21.0	18.9

Note: FII includes depository receipts

CMP: INR2,290 TP: INR2,510 (+10%)

Chemicals business drives earnings growth

Earnings beat our estimates but valuation stretched; maintain Neutral

- SRF posted a strong 1QFY23 with revenue growing across all businesses, mainly driven by the Chemicals and Packaging segments.
- Healthy operating performance was primarily led by the Chemicals business (87% of total incremental EBIT YoY) followed by Packaging Film business (17% of total incremental EBIT YoY) in 1QFY23.
- Factoring in the 1QFY23 performance with higher-than-estimated EBIT across segments, we raise our FY23E/FY24E earnings by 10%/5%, respectively.
- We are encouraged by the long-term structural opportunity in the Chemicals sector. While we certainly believe the company can cash-in on these opportunities, we maintain our **Neutral** rating owing to its rich valuation, which has been priced into the near-term upside.

Chemicals segment margin aids operating performance

- SRF reported an overall revenue of INR38.95b (est. of INR34.8b) in 1QFY23, up 44% YoY. EBITDA margin expanded 160bp to 26.2% (est. of 26.1%), primarily led by margin expansion in Chemicals business. EBITDA was at INR10.2b (est. of INR9.1b), up 54% YoY. Adjusted PAT rose 63% YoY to INR6.3b (est. of INR5.7b) in 1QFY23.
- Chemicals revenue (44% of total sales in 1QFY23) grew 54% YoY to INR17.2b in 1QFY23, with EBIT growth of 2.3x YoY to INR5.2b. EBIT margin expanded 1,020bp YoY to 30.2% due to the strong performance of the Fluorochemicals business aided by better sales realizations across HFCs. The strong demand for flagship products and new agro product launch in this quarter augured well for the Specialty Chemicals business.
- Packaging Film revenue (38% of total sales in 1QFY23) grew 44% YoY to INR14.96b in 1QFY23 and EBIT was up 25% YoY to INR2.95b. However, margin contracted 300bp YoY to 19.7%. The demand of BOPP films remained buoyant. Improvement in revenue mix led by higher VAP sales aided the healthy quarterly performance.
- Technical Textiles revenue (15% of total sales in 1QFY23) grew 16% YoY to INR5.7b in 1QFY23; but EBIT margin contacted 680bp YoY to 20.4%. EBIT declined 13% YoY to INR1.16b. The segment witnessed strong export growth in the Belting Fabrics and the Nylon Tyre Cord Fabrics (NTCF) while domestic NTCF volumes were subdued with steady margins.

Highlights from the management commentary

Fluorochemicals business: Positive trend likely to continue with demand in the refrigerants segment likely to remain healthy in the near to medium term.

- Margins: Rising crude, logistics issues and global shortages of some key inputs are pushing up the raw material prices. However, a sudden drop in raw material prices will likely impact 2QFY23 for the Packaging Films business. 2HFY23 looks better.
- Chemicals segment margin: Management anticipates the Chemicals EBIT margin in FY23 to be higher than FY22 levels.
- Capex: Total FY23 capex will be in the range of INR31-33b (out of this total capex, INR23-25b will be in Chemicals segment). The company will be setting up a new and dedicated facility to produce 1,000 MT of an agrochemical intermediate per year at its Dahej plant at a projected cost of INR2.5b.

Valuation and view

- Specialty chemicals will maintain its growth momentum with robust demand for the flagship product as well as new product additions. Fluorochemicals would continue its positive trend with demand in the refrigerants segment expected to remain healthy in the near to medium term.
- Factoring in the 1QFY23 performance with higher-than-estimated EBIT across segments, we raise our FY23E/FY24E earnings by 10%/5%, respectively.
- We are encouraged by the long-term structural opportunity in the Chemicals sector. While we certainly believe the company can cash-in on these opportunities, we maintain our **Neutral** rating owing to its rich valuation, which has been priced into the near-term upside.

Y/E March		FY	22			FY	23		FY22	FY23E	FY23E	Var
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE	•		1Q	%
Net Sales	26,994	28,390	33,459	35,494	38,947	37,465	38,678	40,784	1,24,337	1,55,874	34,841	12
YoY Change (%)	74.7	35.1	55.9	36.1	44.3	32.0	15.6	14.9	48.0	25.4	33.1	
Total Expenditure	20,350	21,846	24,980	26,128	28,749	28,509	29,335	30,845	93,305	1,17,438	25,740	
EBITDA	6,644	6,544	8,479	9,366	10,198	8,956	9,343	9,939	31,032	38,436	9,100	12
Margins (%)	24.6	23.0	25.3	26.4	26.2	23.9	24.2	24.4	25.0	24.7	26.1	
Depreciation	1,230	1,303	1,324	1,316	1,307	1,420	1,500	1,550	5,172	5,777	1,360	
Interest	275	234	294	357	325	320	300	280	1,159	1,225	330	
Other Income	138	111	107	72	99	120	115	117	428	451	140	
PBT before EO expense	5,277	5,118	6,968	7,765	8,665	7,336	7,658	8,226	25,128	31,884	7,550	
Extra-Ord expense & DO	-72	-206	-335	-114	249	0	0	0	-727	249	0	
РВТ	5,349	5,324	7,303	7,879	8,416	7,336	7,658	8,226	25,856	31,636	7,550	
Tax	1,396	1,500	2,247	1,823	2,336	1,761	1,838	1,810	6,966	7,744	1,850	
Rate (%)	26.5	29.3	32.3	23.5	27.0	24.0	24.0	22.0	27.7	24.3	24.5	
Reported PAT	3,953	3,825	5,055	6,057	6,080	5,575	5,820	6,416	18,889	23,892	5,701	
Adj PAT	3,881	3,619	4,720	5,943	6,329	5,575	5,820	6,416	18,162	24,140	5,701	11
YoY Change (%)	108.7	11.2	55.9	59.6	63.1	54.1	23.3	8.0	53.1	32.9	38.1	
Margins (%)	14.4	12.7	14.1	16.7	16.2	14.9	15.0	15.7	14.6	15.5	14.8	

MOTILAL OSWAL

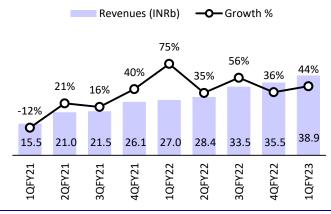
Key Performance Indicators

Y/E March	FY22				FY23	FY22	FY23E			
Consolidated	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE		
Segment Revenue Growth (%)										
Technical Textile	251.0	67.8	46.5	24.0	15.8	1.0	2.0	8.0	68.1	6.4
Chemicals	57.9	27.8	57.7	36.4	54.7	48.0	20.0	20.0	43.8	33.4
Packaging Film	53.7	28.7	59.1	41.9	43.7	33.0	17.0	12.0	45.2	24.9
Segment EBIT Margins (%)										
Technical Textile	27.1	23.8	21.1	18.4	20.4	18.5	19.5	20.0	22.6	19.6
Chemicals	20.0	22.3	29.4	32.1	30.2	28.0	27.0	27.0	26.7	28.0
Packaging Film	22.7	16.7	19.9	19.8	19.7	17.0	18.0	18.0	19.8	18.2
Cost Break-up										
RM Cost (% of sales)	49.3	50.4	49.1	46.9	47.7	48.0	48.9	48.9	48.8	48.4
Staff Cost (% of sales)	6.7	6.3	6.2	6.0	5.0	5.6	5.7	5.9	6.3	5.5
Power and Fuel Cost (% of sales)	8.6	9.3	9.0	9.6	10.5	11.0	10.5	10.0	9.1	10.5
Other Cost (% of sales)	10.7	11.0	10.4	11.2	10.6	11.5	10.8	10.8	10.8	10.9
Gross Margin (%)	50.7	49.6	50.9	53.1	52.3	52.0	51.1	51.1	51.2	51.6
EBITDA Margin (%)	24.6	23.0	25.3	26.4	26.2	23.9	24.2	24.4	25.0	24.7
EBIT Margin (%)	20.1	18.5	21.4	22.7	22.8	20.1	20.3	20.6	20.8	21.0

MOTILAL OSWAL SRF

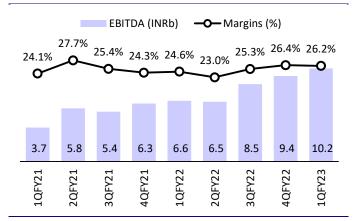
Key exhibits

Exhibit 1: Consolidated revenue trend



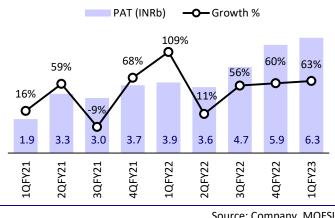
Source: Company, MOFSL

Exhibit 2: Consolidated EBITDA trend



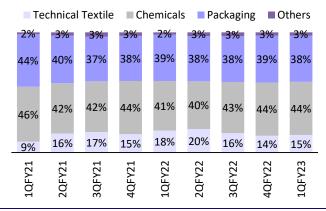
Source: Company, MOFSL

Exhibit 3: Consolidated adjusted PAT trend



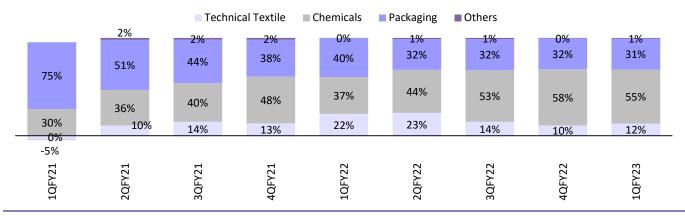
Source: Company, MOFSL

Exhibit 4: Revenue mix trend



Source: Company, MOFSL

Exhibit 5: EBIT mix trend



Source: Company, MOFSL

4 22 July 2022

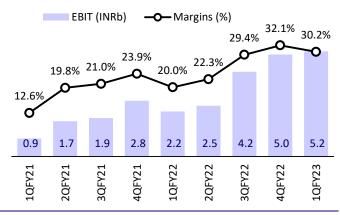
MOTILAL OSWAL

Exhibit 6: Revenue trend in Chemicals business

Revenues (INRb) **—O**—Growth 58% 58% 36% 30% 31% σ 17% 12% 5% O 11.1 11.3 15.7 1QFY22 2QFY22 1QFY21 2QFY21 3QFY21 4QFY21 3QFY22 4QFY22

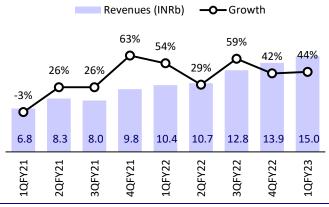
Source: Company, MOFSL

Exhibit 7: EBIT trend in Chemicals business



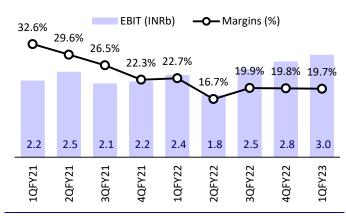
Source: Company, MOFSL

Exhibit 8: Revenue trend in Packaging Film business



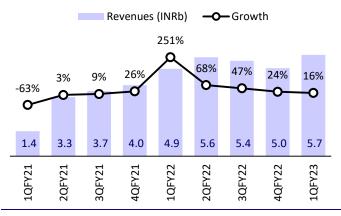
Source: Company, MOFSL

Exhibit 9: EBIT trend in Packaging Film business



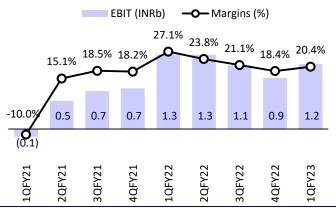
Source: Company, MOFSL

Exhibit 10: Revenue trend in Technical Textiles business



Source: Company, MOFSL

Exhibit 11: EBIT trend in Technical Textiles business



Source: Company, MOFSL



Key highlights from the management commentary

- Chemicals segment: The Fluorochemicals business performed exceedingly well in 1QFY23 owing to higher sales volumes in the refrigerants, pharma propellants, and the blends segments with better sales realizations, especially from the export markets.
- Positive trend in Fluorochemicals is likely to continue with demand in the refrigerants segment is expected to remain healthy in the near to medium term.
- Management is focusing on expanding in new markets/geographies and product offerings, and ramping up sales from refrigerants, blends and industrial solvents
- The Specialty Chemicals business performed well because of strong demand for flagship products and the downstream derivatives.
- The management guided for EBIT margins to be higher than FY22 levels
- SRF is continuing its efforts to diversify the portfolio of raw material suppliers to de-risk raw material availability
- Pricing and demand in HFCs to remain strong in the near term
- Dymel® HFA 134a/P (pharma grade gas) continued to do well and reported significant growth leading to improved market share.
- Under Fluorochemicals business, the 2HFY23 volumes are presently being contracted at the current prices for the US supplies. Typically contracts are not very long term in nature and the contracts for Oct-Dec'22 are being entered now.
- Additional volumes from chloromethane plant are likely to commission in two to three weeks. However, it will take time to stabilize the plant. The plant will focus on import substitution.
- Packaging Film segment: The business witnessed a slight slowdown in demand for BOPET and BOPP films in 1QFY23, which hurt the overall margins. Further, energy prices in Europe remained a challenge at SRF's Hungarian facility
- However, SRF's customer-centric approach of 'Easy to do Business With', and enhanced sales of VAP contributed positively to the overall performance.
- BOPET films likely to witness inventory impact due to sharp drop of raw material prices. Management is continuing its focus on efficiencies and cost-competitive procurement to ensure that SRF remains one of the lowest-cost producers globally.
- SRF's continuing focus on enhancing quality and delivery of products will increase engagement with multinational customers. Currently, the company is present in over 100 countries.
- BOPP Film line at Indore is expected to be commissioned in 2QFY23.
- **Technical Textiles segment:** The business has performed in line with expectations with increased export volumes from the NTCF and Belting Fabrics segments. However, the domestic demand for SRF' product portfolio remained muted.
- Business continues to actively focus on improving operational excellence and productivity parameters
- Belting fabrics segment is likely to witness robust demand as infrastructure spend revives
- Incremental investments in Belting Fabrics over the next three years is projected to bestow strong returns

 Other Businesses: Domestic demand for Coated Fabric is expected to remain healthy with good monsoons and resumption of events and outdoor activities

- In Laminated fabrics business, SRF maintained its price and volume leadership with the plant operating at full capacity in 1QFY23 and achieving its highest-ever sales when compared with CPLY. Realizations in this sector were adversely affected by the ongoing surplus supply scenario.
- Outlook: The outlook for Chemicals Business remains strong and management believes the investment intensity will increase in this segment.
- While Packaging Films business performed very well in 1QFY23, management sees strong headwinds for the business with weak global demand and inventory losses in the short term
- 'China plus one' strategy continues to support India's position as an alternate manufacturing base
- SRF is not witnessing any demand slowdown. From the US market perspective also, Fluorochemicals and ref gas demand remains strong.
- Margins: Rising crude, logistics issues and global shortages of some key inputs are pushing up the raw material prices.
- Capex: Total FY23 capex will be in the range of INR31-33b (out of this total capex, INR23-25b will be in Chemicals segment).
- Management has planned an overall INR12-15b capex in the Specialty chemical businessover the next 12 to 18 months, which includes setting up a new and dedicated facility to produce 1,000 MT of an agrochemical intermediate per year at its Dahej plant at a projected cost of INR2.5b.
- Besides, it is expanding the capacity of an intermediate product that finds application in both agrochemical and pharma intermediates and related feedstock at Dahej, at a projected cost of INR720m.
- Further, it will create two technical structures of the new plant buildings for certain agrochemical products at a projected cost of INR780m. These products would cater to the growing requirements of new and upcoming plants at Dahej.
- In Technical Textiles Business, SRF will carry out a capacity expansion and modernization of belting fabrics operations at TTB-Viralimalai to 1,800 Metric Tons Per Month (MTPM) from 1,100 MTPM at a projected cost of INR1.62b to be spent over a period of three years.

Other highlights

- Management witnessed around 4.5% rupee depreciation against the USD in 1QFY23, amid a volatile geopolitical situation. This led to restatement of net USD-denominated liabilities, which created an exchange fluctuation loss of INR320m. However, this is likely to be a one-time impact.
- SRF is in the process of building a captive power plant that can be commissioned in the next three weeks. Therefore, the overall cost of the company will come down. Further, SRF is looking forward to obtain energy from hybrid methods.
- The company will pass on the RM inflation to the customers and will manage the rise in power cost on its own end.

Valuation and view

Specialty chemicals will maintain its growth momentum with robust demand for the flagship product as well as new product additions. Fluorochemicals would continue its positive trend with demand in the refrigerants segment expected to remain healthy in the near to medium term.

- Chemicals EBIT margin in FY22 was 26.7% primarily due to higher refrigerant realizations in domestic as well as export markets. We expect the margin trajectory of chemicals business to be sustained at/above FY22 levels. We anticipate the Packaging Films business' EBIT margin to decline to 18.2%/18.0% in FY23/FY24, respectively, from 19.8% in FY22 due to expected pressure on BOPET margins with new capacities coming on stream. Going forward, we project SRF to register a revenue/EBITDA/PAT CAGR of 18%/16%/20% over FY22-24E, respectively.
- Factoring in the 1QFY23 performance with higher-than-estimated EBIT across segments, we raise our FY23E/FY24E earnings by 10%/5%, respectively.
- We are encouraged by the long-term structural opportunity in the Chemicals sector. While we certainly believe the company can cash-in on these opportunities, we maintain our **Neutral** rating owing to its rich valuation, which has been priced into the near-term upside.

Exhibit 12: Valuation methodology

EV/EBITDA	FY24 EBITDA (INR m)	Multiple (x)	EV (INR m)
Technical Textiles	5,205	10	52,263
Chemicals	25,538	23	5,87,367
Packaging Films	13,212	10	1,32,118
Others	620	5	3,098
Total EV			7,74,846
Less: Debt			32,394
Add: Cash & Cash Equivalents			4,102
Target Mcap (INR m)			7,46,554
Outstanding share (m)			297.4
Target Price (INR)			2,510

Source: MOFSL

Exhibit 13: Revisions to our estimates

Earnings Change	Old		Ne	ew	Change (%)		
(INR m)	FY23E	FY24E	FY23E	FY24E	FY23E	FY24E	
Revenue	1,46,240	1,65,585	1,55,874	1,73,619	7	5	
EBITDA	35,841	40,411	38,436	42,003	7	4	
Adj. PAT	21,996	24,715	24,140	26,066	10	5	

Source: MOFSL

MOTILAL OSWAL

Financials and valuations

Appl. of Funds

Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Income from Operations	48,983	51,366	56,849	70,996	72,094	84,000	1,24,337	1,55,874	1,73,619
Less: Excise Duty	3,056	3,148	958	0	0	0	0	0	_,: _,: _
Total Income from Operations	45,927	48,218	55,890	70,996	72,094	84,000	1,24,337	1,55,874	1,73,619
Change (%)	1.2	5.0	15.9	27.0	1.5	16.5	48.0	25.4	11.4
EBITDA	9,728	9,694	9,062	13,209	14,584	21,333	31,032	38,436	42,003
Margin (%)	21.2	20.1	16.2	18.6	20.2	25.4	25.0	24.7	24.2
Depreciation	2,750	2,834	3,158	3,582	3,886	4,531	5,172	5,777	6,813
EBIT	6,979	6,859	5,904	9,627	10,698	16,803	25,860	32,659	35,189
Int. and Finance Charges	1,305	1,018	1,239	1,984	2,007	1,340	1,159	1,225	1,204
Other Income	278	730	688	280	491	545	428	451	542
PBT bef. EO Exp.	5,952	6,572	5,353	7,923	9,182	16,008	25,128	31,884	34,526
EO Items	-103	0	463	262	997	116	727	-249	(
PBT after EO Exp.	5,849	6,572	5,817	8,185	10,179	16,123	25,856	31,636	34,526
Current Tax	1,551	1,422	1,200	1,769	265	4,154	7,139	7,744	8,460
Deferred Tax	0	0	0	0	-277	-10	-173	0	(
Tax Rate (%)	26.5	21.6	20.6	21.6	-0.1	25.7	26.9	24.5	24.5
Less: Minority Interest	0	0	0	0	0	0	0	0	(
Reported PAT	4,299	5,150	4,617	6,416	10,191	11,979	18,889	23,892	26,066
Adjusted PAT	4,402	5,150	4,154	6,155	9,194	11,864	18,162	24,140	26,066
Change (%)	45.4	17.0	-19.3	48.2	49.4	29.0	53.1	32.9	8.0
Margin (%)	9.6	10.7	7.4	8.7	12.8	14.1	14.6	15.5	15.0
Consolidated - Balance Sheet Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Equity Share Capital	574	574	575	575	585	603	2,974	2,974	2,974
Total Reserves	27,055	31,252	35,071	40,718	48,748	67,962	82,679	1,01,514	1,22,524
Net Worth	27,630	31,826	35,646	41,293	49,333	68,564	85,654	1,04,489	1,25,499
Minority Interest	0	0	0	0	0	0	0	0	(
Deferred Liabilities	3,820	2,866	2,914	3,420	1,755	3,862	6,775	6,775	6,775
Total Loans	25,153	23,962	31,418	37,302	40,468	33,950	35,394	36,394	32,394
Capital Employed	56,602	58,655	69,978	82,014	91,556	1,06,376	1,27,822	1,47,657	1,64,667
Gross Block	71,410	77,169	87,502	68,322	76,934	96,167	1,06,943	1,31,943	1,51,943
Less: Accum. Deprn.	30,334								1,01,04
	00,00.	33,169	36,327	12,269	15,540	20,071	25,243	31,021	
Net Fixed Assets	41,076	33,169 44,000	36,327 51,175	12,269 56,053	15,540 61,394	20,071 76,096	25,243 81,699	31,021 1,00,922	37,834
Net Fixed Assets Goodwill on Consolidation				56,053 41		•			37,834 1,14,10 9
Goodwill on Consolidation Capital WIP	41,076 49 1,174	44,000 49 2,586	51,175 41 5,588	56,053 41 7,536	61,394 6 13,933	76,096 6 7,723	81,699 0 16,716	1,00,922 0 22,716	37,834 1,14,10 9 (0 18,716
Goodwill on Consolidation Capital WIP Current Investments	41,076 49	44,000 49	51,175 41	56,053 41	61,394 6	76,096 6	81,699 0	1,00,922 0	37,834 1,14,10 9 (0 18,716
Goodwill on Consolidation Capital WIP Current Investments Total Investments	41,076 49 1,174 1,606 1,649	44,000 49 2,586 1,708 1,959	51,175 41 5,588 1,217 1,218	56,053 41 7,536 1,005 1,006	61,394 6 13,933 1,985 2,027	76,096 6 7,723 4,125 4,167	81,699 0 16,716 3,167 3,209	1,00,922 0 22,716 1,667 1,209	37,834 1,14,10 9 (18,716 1,667 1,20 9
Goodwill on Consolidation Capital WIP Current Investments	41,076 49 1,174 1,606 1,649 20,291	44,000 49 2,586 1,708 1,959 21,090	51,175 41 5,588 1,217 1,218 25,608	56,053 41 7,536 1,005 1,006 34,243	61,394 6 13,933 1,985 2,027 31,265	76,096 6 7,723 4,125 4,167 41,121	81,699 0 16,716 3,167 3,209 56,025	1,00,922 0 22,716 1,667 1,209 58,140	37,834 1,14,109 (18,716 1,667 1,209 68,996
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory	41,076 49 1,174 1,606 1,649 20,291 6,711	44,000 49 2,586 1,708 1,959 21,090 8,381	51,175 41 5,588 1,217 1,218 25,608 9,582	56,053 41 7,536 1,005 1,006 34,243 12,247	61,394 6 13,933 1,985 2,027 31,265 12,012	76,096 6 7,723 4,125 4,167 41,121 14,658	81,699 0 16,716 3,167 3,209 56,025 21,385	1,00,922 0 22,716 1,667 1,209 58,140 21,695	37,83 ⁴ 1,14,109 (18,716 1,667 1,209 68,996 24,548
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory Account Receivables	41,076 49 1,174 1,606 1,649 20,291 6,711 5,145	44,000 49 2,586 1,708 1,959 21,090 8,381 6,569	51,175 41 5,588 1,217 1,218 25,608 9,582 6,807	56,053 41 7,536 1,005 1,006 34,243 12,247 10,288	61,394 6 13,933 1,985 2,027 31,265 12,012 8,911	76,096 6 7,723 4,125 4,167 41,121 14,658 12,746	81,699 0 16,716 3,167 3,209 56,025 21,385 17,925	1,00,922 0 22,716 1,667 1,209 58,140 21,695 19,217	37,83 ² 1,14,109 0 18,716 1,667 1,209 68,996 24,548 21,405
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance	41,076 49 1,174 1,606 1,649 20,291 6,711 5,145 3,399	44,000 49 2,586 1,708 1,959 21,090 8,381 6,569 961	51,175 41 5,588 1,217 1,218 25,608 9,582 6,807 967	56,053 41 7,536 1,005 1,006 34,243 12,247 10,288 1,989	61,394 6 13,933 1,985 2,027 31,265 12,012 8,911 1,255	76,096 6 7,723 4,125 4,167 41,121 14,658 12,746 2,820	81,699 0 16,716 3,167 3,209 56,025 21,385 17,925 4,594	1,00,922 0 22,716 1,667 1,209 58,140 21,695 19,217 2,075	37,834 1,14,109 (18,716 1,667 1,209 68,996 24,548 21,409 4,102
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances	41,076 49 1,174 1,606 1,649 20,291 6,711 5,145 3,399 5,036	44,000 49 2,586 1,708 1,959 21,090 8,381 6,569 961 5,178	51,175 41 5,588 1,217 1,218 25,608 9,582 6,807 967 8,252	56,053 41 7,536 1,005 1,006 34,243 12,247 10,288 1,989 9,719	61,394 6 13,933 1,985 2,027 31,265 12,012 8,911 1,255 9,088	76,096 6 7,723 4,125 4,167 41,121 14,658 12,746 2,820 10,898	81,699 0 16,716 3,167 3,209 56,025 21,385 17,925 4,594 12,123	1,00,922 0 22,716 1,667 1,209 58,140 21,695 19,217 2,075 15,153	37,834 1,14,109 (18,716 1,667 1,209 68,996 24,548 21,409 4,102 18,942
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov.	41,076 49 1,174 1,606 1,649 20,291 6,711 5,145 3,399 5,036 8,934	44,000 49 2,586 1,708 1,959 21,090 8,381 6,569 961 5,178 11,055	51,175 41 5,588 1,217 1,218 25,608 9,582 6,807 967 8,252 13,653	56,053 41 7,536 1,005 1,006 34,243 12,247 10,288 1,989 9,719 16,865	61,394 6 13,933 1,985 2,027 31,265 12,012 8,911 1,255 9,088 17,211	76,096 6 7,723 4,125 4,167 41,121 14,658 12,746 2,820 10,898 22,918	81,699 0 16,716 3,167 3,209 56,025 21,385 17,925 4,594 12,123 29,944	1,00,922 0 22,716 1,667 1,209 58,140 21,695 19,217 2,075 15,153 35,447	37,834 1,14,109 18,716 1,667 1,209 68,996 24,548 21,409 4,102 18,942 38,480
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables	41,076 49 1,174 1,606 1,649 20,291 6,711 5,145 3,399 5,036 8,934 7,146	44,000 49 2,586 1,708 1,959 21,090 8,381 6,569 961 5,178 11,055 8,089	51,175 41 5,588 1,217 1,218 25,608 9,582 6,807 967 8,252 13,653 10,442	56,053 41 7,536 1,005 1,006 34,243 12,247 10,288 1,989 9,719 16,865 13,824	61,394 6 13,933 1,985 2,027 31,265 12,012 8,911 1,255 9,088 17,211 11,117	76,096 6 7,723 4,125 4,167 41,121 14,658 12,746 2,820 10,898 22,918 15,852	81,699 0 16,716 3,167 3,209 56,025 21,385 17,925 4,594 12,123 29,944 20,964	1,00,922 0 22,716 1,667 1,209 58,140 21,695 19,217 2,075 15,153 35,447 25,207	37,834 1,14,109 18,716 1,667 1,209 24,548 21,409 4,100 18,942 38,480 27,279
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables Other Current Liabilities	41,076 49 1,174 1,606 1,649 20,291 6,711 5,145 3,399 5,036 8,934 7,146 1,477	44,000 49 2,586 1,708 1,959 21,090 8,381 6,569 961 5,178 11,055 8,089 2,606	51,175 41 5,588 1,217 1,218 25,608 9,582 6,807 967 8,252 13,653 10,442 2,831	56,053 41 7,536 1,005 1,006 34,243 12,247 10,288 1,989 9,719 16,865 13,824 2,600	61,394 6 13,933 1,985 2,027 31,265 12,012 8,911 1,255 9,088 17,211 11,117 5,653	76,096 6 7,723 4,125 4,167 41,121 14,658 12,746 2,820 10,898 22,918 15,852 6,544	81,699 0 16,716 3,167 3,209 56,025 21,385 17,925 4,594 12,123 29,944 20,964 8,391	1,00,922 0 22,716 1,667 1,209 58,140 21,695 19,217 2,075 15,153 35,447 25,207 9,650	37,834 1,14,109 18,710 1,66: 1,209 24,548 21,409 4,100 18,942 38,480 27,279 10,619
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables Other Current Liabilities Provisions	41,076 49 1,174 1,606 1,649 20,291 6,711 5,145 3,399 5,036 8,934 7,146 1,477 312	44,000 49 2,586 1,708 1,959 21,090 8,381 6,569 961 5,178 11,055 8,089 2,606 359	51,175 41 5,588 1,217 1,218 25,608 9,582 6,807 967 8,252 13,653 10,442 2,831 380	56,053 41 7,536 1,005 1,006 34,243 12,247 10,288 1,989 9,719 16,865 13,824 2,600 441	61,394 6 13,933 1,985 2,027 31,265 12,012 8,911 1,255 9,088 17,211 11,117 5,653 442	76,096 6 7,723 4,125 4,167 41,121 14,658 12,746 2,820 10,898 22,918 15,852 6,544 522	81,699 0 16,716 3,167 3,209 56,025 21,385 17,925 4,594 12,123 29,944 20,964 8,391 590	1,00,922 0 22,716 1,667 1,209 58,140 21,695 19,217 2,075 15,153 35,447 25,207 9,650 590	37,834 1,14,109 18,716 1,667 1,209 24,548 21,409 4,102 18,942 38,480 27,279 10,619
Goodwill on Consolidation Capital WIP Current Investments Total Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables Other Current Liabilities	41,076 49 1,174 1,606 1,649 20,291 6,711 5,145 3,399 5,036 8,934 7,146 1,477	44,000 49 2,586 1,708 1,959 21,090 8,381 6,569 961 5,178 11,055 8,089 2,606	51,175 41 5,588 1,217 1,218 25,608 9,582 6,807 967 8,252 13,653 10,442 2,831	56,053 41 7,536 1,005 1,006 34,243 12,247 10,288 1,989 9,719 16,865 13,824 2,600	61,394 6 13,933 1,985 2,027 31,265 12,012 8,911 1,255 9,088 17,211 11,117 5,653	76,096 6 7,723 4,125 4,167 41,121 14,658 12,746 2,820 10,898 22,918 15,852 6,544	81,699 0 16,716 3,167 3,209 56,025 21,385 17,925 4,594 12,123 29,944 20,964 8,391	1,00,922 0 22,716 1,667 1,209 58,140 21,695 19,217 2,075 15,153 35,447 25,207 9,650	37,83 1,14,10 18,73 1,66 1,20 68,99 24,54 21,44 4,10 18,94 38,44 27,22 10,63

22 July 2022 10

69,978

82,014

91,556 1,06,376 1,27,822 1,47,657

56,603

58,655

Financials and valuations

Ratios									
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Basic (INR)	1110	1127	1110	1113	1120			11232	11242
EPS EPS	14.8	17.3	14.0	20.7	30.9	39.9	61.1	81.2	87.6
Cash EPS	24.0	26.8	24.6	32.7	44.0	55.1	78.5	100.6	110.5
BV/Share	92.9	107.0	119.8	138.8	165.9	230.5	288.0	351.3	421.9
DPS	1.9	2.3	3.1	3.9	2.8	4.9	16.8	17.0	17.0
Payout (%)	15.2	15.7	23.1	20.8	9.6	12.1	26.4	21.2	19.4
Valuation (x)	15.2	15.7	23.1	20.8	3.0	12.1	20.4	21.2	13.4
P/E	154.8	132.3	164.0	110.7	74.1	57.4	37.5	28.2	26.1
Cash P/E	95.3	85.3	93.2	70.0	52.1	41.6	29.2	22.8	20.7
P/BV	24.7	21.4	19.1			9.9			
EV/Sales	15.3			16.5	13.8		8.0	6.5	5.4
		14.6	12.7	10.1	10.0	8.4	5.7	4.6	4.1
EV/EBITDA	72.1	72.5	78.4	54.2	49.3	33.2	22.8	18.6	16.9
Dividend Yield (%)	0.1	0.1	0.1	0.2	0.1	0.2	0.7	0.7	0.7
FCF per share	17.2	0.2	-20.3	-5.3	-2.3	19.1	9.7	2.6	41.3
Return Ratios (%)									
EBITDA Margins (%)	21.2	20.1	16.2	18.6	20.2	25.4	25.0	24.7	24.2
Net Profit Margins (%)	9.6	10.7	7.4	8.7	12.8	14.1	14.6	15.5	15.0
RoE	17.0	17.3	12.3	16.0	20.3	20.1	23.6	25.4	22.7
RoCE	10.5	11.0	8.5	10.7	13.3	13.4	17.2	19.1	18.1
RoIC	18.5	17.8	13.8	18.0	15.3	26.3	34.2	36.6	33.9
Working Capital Ratios									
Fixed Asset Turnover (x)	0.6	0.6	0.6	1.0	0.9	0.9	1.2	1.2	1.1
Asset Turnover (x)	0.8	0.8	0.8	0.9	0.8	0.8	1.0	1.1	1.1
Inventory (Days)	105	126	115	113	119	133	129	105	108
Debtor (Days)	41	50	44	53	45	55	53	45	45
Creditor (Days)	112	122	126	127	110	144	126	122	120
Leverage Ratio (x)									
Debt/Equity	0.9	0.8	0.9	0.9	0.8	0.5	0.4	0.3	0.3
Consolidated - Cash Flow State									
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
OP/(Loss) before Tax	5,849	6,572	5,817	8,269	10,706	16,099	25,856	31,636	34,526
Depreciation	2,750	2,834	3,158	3,669	3,929	4,531	5,172	5,777	6,813
Interest & Finance Charges	1,305	1,018	1,239	2,016	2,016	1,340	1,159	1,225	1,204
Direct Taxes Paid	-1,087	-1,159	-1,176	-1,502	-1,427	-2,553	-4,016	-7,744	-8,460
(Inc)/Dec. in WC	2,214	-2,556	-1,909	-3,165	-239	-1,236	-6,645	869	-5,796
CF from Operations	11,030	6,709	7,129	9,286	14,984	18,181	21,527	31,763	28,287
Others	-130	-255	-349	-330	-1,940	-464	-469	0	0
CF from Operating incl EO	10,901	6,454	6,780	8,956	13,044	17,717	21,057	31,763	28,287
(Inc)/Dec. in FA	-5,789	-6,409	-12,829	-10,526	-13,730	-12,047	-18,171	-31,000	-16,000
Free Cash Flow	5,112	45	-6,049	-1,570	-685	5,670	2,886	763	12,287
(Pur)/Sale of Investments	-576	25	840	332	-886	-1,886	1,028	2,000	0
Others	-303	251	35	53	2,813	-1,064	1,265	0	0
CF from Investments	-6,667	-6,133	-11,953	-10,142	-11,803	-14,997	-15,877	-29,000	-16,000
Issue of Shares	0	0	0	1	0	7,500	2	0	0
Inc/(Dec) in Debt	637	-4,552	4,095	2,677	3,205	-6,856	622	1,000	-4,000
Interest Paid	-1,324	-1,109	-1,299	-2,241	-2,040	-1,574	-1,173	-1,225	-1,204
Dividend Paid	-692	-829	-829	-836	-803	-1,408	-2,117	-5,056	-5,056
Others	-528	3,731	3,213	2,606	-2,337	1,182	-741	0	0
CF from Fin. Activity	-1,907	- 2,760	5,179	2,207	-1,975	-1,155	-3,406	-5,281	-10,260
Inc/Dec of Cash	2,326	-2,438	6	1,021	-734	1,565	1,774	-2,519	2,027
Opening Balance	1,073	3,399	961	967	1,989	1,255	2,820	4,594	2,027
Closing Balance	3,399	961	967	1,989	1,255	2,820	4,594	2,075	4,102

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 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, Investment Advisory Services, Depository participant services & distribution of various financial products. MOFSL is a subsidiary company of Passionate Investment Management Pvt. Ltd.. (PIMPL). 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 Motifal 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 or prokerage pending transactions. Details of Enquiry Proceedings of Motilal Oswal Financial Services Limited available are on.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. INH00000412) 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 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
- 5
- 6
- 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

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company
- received compensation/other benefits from the subject company in the past 12 months
- 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.

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

13 22 July 2022

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 71934200/ 022-71934263; Website www.motilaloswal.com. CIN no.: L67190MH2005PLC153397.Correspondence Office Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad(West), Mumbai- 400 064. Tel No: 022 7188 1000.

Registration Nos.: Motilal Oswal Financial Services Limited (MOFSL)*: INZ000158836(BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412. AMFI: ARN - 146822; Investment Adviser: INA00007100; Insurance Corporate Agent: CA0579;PMS:INP000006712. Motilal Oswal Asset Management Company Ltd. (MOAMC): PMS (Registration No.: INP000000670); PMS and Mutual Funds are offered through MOAMC which is group company of MOFSL. Motilal Oswal Wealth Management Ltd. (MOWML): PMS (Registration No.: INP000004409) is offered through MOWML, which is a group company of MOFSL. Motilal Oswal Financial Services Limited is a distributor of Mutual Funds, PMS, Fixed Deposit, Bond, NCDs,Insurance Products and IPOs.Real Estate is offered through Motilal Oswal Real Estate Investment Advisors II Pvt. Ltd. which is a group company of MOFSL. Private Equity is offered through Motilal Oswal Private Equity Investment Advisors Pvt. Ltd. which is a group company of MOFSL. Research & Advisory services is backed by proper research. Please read the Risk Disclosure Document prescribed by the Stock Exchanges carefully before investing. There is no assurance or guarantee of the returns. Investment in securities market is subject to market risk, read all the related documents carefully before investing. Details of Compliance Officer: Name: Neeraj Agarwal, Email ID: na@motilaloswal.com, Contact No.:022-71881085.

* MOSL has been amalgamated with Motilal Oswal Financial Services Limited (MOFSL) w.e.f August 21, 2018 pursuant to order dated July 30, 2018 issued by Hon'ble National Company Law Tribunal, Mumbai Bench.