

# **Granules India**

# Estimate change TP change Rating change

Bloomberg	GRAN IN
Equity Shares (m)	229
M.Cap.(INRb)/(USDb)	89.7 / 1.1
52-Week Range (INR)	375 / 268
1, 6, 12 Rel. Per (%)	5/17/-6
12M Avg Val (INR M)	429

#### Financials & Valuations (INR b)

W/F PAR DOLL	•		
Y/E MARCH	FY23	FY24E	FY25E
Sales	45.1	48.5	54.5
EBITDA	9.2	9.2	11.9
Adj. PAT	5.2	5.0	7.0
EBIT Margin (%)	16.3	14.7	17.7
Cons. Adj. EPS (INR)	21.6	20.7	29.0
EPS Gr. (%)	30.6	-4.1	40.0
BV/Sh. (INR)	117.1	136.7	164.5
Ratios			
Net D:E	0.4	0.3	0.2
RoE (%)	19.3	16.3	19.2
RoCE (%)	14.8	13.6	16.1
Payout (%)	5.5	5.8	4.0
Valuations			
P/E (x)	17.1	17.9	12.8
EV/EBITDA (x)	10.1	10.2	7.8
Div. Yield (%)	0.3	0.3	0.3
FCF Yield (%)	4.0	-0.7	3.0
EV/Sales (x)	2.1	1.9	1.7

### Shareholding pattern (%)

	(1.7)					
As On	Sep-23	Jun-23	Sep-22			
Promoter	42.0	42.0	41.9			
DII	7.1	6.7	4.3			
FII	21.5	21.4	22.4			
Others	29.5	30.0	31.4			

FII Includes depository receipts

CMP: INR370 TP: INR430 (+16%) Buy

# Healthy launches lined up for US market in 2HFY24

# Work-in-progress for backward integration projects

- Granules India (GRAN) delivered a better-than-expected performance in 2QFY24. Production/sales activities have returned to normalcy after the resolution of an IT security issue. Further, shortage opportunities boosted US business.
- We cut our earnings estimate by 5% for FY24, factoring in a delay in certain launches in the US and gradual utilization of new facilities. We value GRAN at 14x 12M forward earnings to arrive at a TP of INR430.
- GRAN is implementing efforts towards capacity addition and backward integration, and is enhancing product offerings for the regulated market, including some niche launches. Accordingly, we expect a 16% earnings CAGR over FY23-25. Maintain BUY.

# Segmental mix benefits offset by increased opex

- GRAN sales grew 3% YoY to INR12b (our estimate: INR10.6b), driven by a robust performance in the US, which was slightly offset by a decline in the LATAM and EU regions.
- Formulation (FDF) sales increased by 28% YoY to INR7.5b (63% of sales). Intermediates (PFI) sales declined 39% YoY to INR1.4b (12% of sales). API sales declined 10% YoY to INR3b (25% of sales).
- Gross margin (GM) expanded 190bp YoY to 51.7% due to a change in the segmental mix and lower raw material costs.
- However, EBITDA margin contracted by 320bp YoY to 17.9% (est. 17.4%), due to an increase in employee costs/other expenses (up 230bp/280bp YoY as % of sales).
- EBITDA declined 12% YoY to INR2.1b (est. INR1.8b) for the quarter.
- Adjusted PAT declined 30% YoY to INR1b (our estimate: INR894m) due to an increase in finance costs (2x YoY) and lower other income (down 68% YoY).
- In 1HFY24, revenue was flat YoY at INR21.7b, while EBITDA/PAT declined 18%/39% YoY to INR3.7b/INR1.7b.

## Highlights from the management commentary

- The 11% YoY growth in US sales was largely due to increased business from existing products. GRAN indicated about 7 launches in 2HFY24, which should drive further growth momentum in the US. Inventory build-up is largely to cater to US business.
- The DCDA pilot plant is expected to be completed by 4QFY24.
- The project related to PAP is expected to be completed by FY25.
- The price erosion has impacted business in EU for the quarter.
- GRAN has spent INR1.8b on capex for 1HFY24 and intends to spend INR4b in 2HFY24.

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

Research Analyst: Sumit Gupta (Sumit.G@MotilalOswal.com) | Akash Dobhada (Akash.Dobhada@MotilalOswal.com

<b>Quarterly Performance</b>												(INR m)
Y/E March		FY	23			FY	24E		FY23	FY24E	FY24E	Var.
(Consolidated)	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE	•		2QE	vs Est
Net Sales	10,196	11,507	11,461	11,955	9,855	11,895	12,851	13,909	45,119	48,510	10,620	12.0
YoY Change (%)	20.0	29.5	17.0	16.1	-3.3	3.4	12.1	16.3	20.4	7.5	-7.7	
EBITDA	2,115	2,429	2,313	2,361	1,579	2,130	2,544	2,964	9,218	9,217	1,848	15.3
YoY Change (%)	5.0	60.7	47.8	22.5	-25.4	-12.3	10.0	25.5	30.8	0.0	-23.9	
Margins (%)	20.7	21.1	20.2	19.8	16.0	17.9	19.8	21.3	20.4	19.0	17.4	
Depreciation	434	441	484	487	492	525	530	538	1,845	2,086	494	
EBIT	1,682	1,988	1,829	1,874	1,086	1,605	2,014	2,426	7,373	7,131	1,354	18.5
YoY Change (%)	3.8	78.6	56.0	22.9	-35.4	-19.3	10.1	29.4	35.0	-3.3	-31.9	
Margins (%)	16.5	17.3	16.0	15.7	11.0	13.5	15.7	17.4	16.3	14.7	12.7	
Interest	69	132	170	188	225	260	200	133	559	817	210	
Other Income	47	48	9	34	3	15	35	43	138	97	25	
PBT before EO expense	1,659	1,904	1,669	1,720	865	1,360	1,849	2,336	6,952	6,411	1,169	16.4
Extra-Ord expense	0	0	0	80	211	0	0	0	80	211	0	
PBT	1,659	1,904	1,669	1,640	654	1,360	1,849	2,336	6,872	6,200	1,169	
Tax	383	453	426	444	176	339	370	438	1,706	1,345	275	
Rate (%)	23.1	23.8	25.5	27.1	26.9	24.9	20.0	18.7	24.8	21.7	23.5	
(Profit)/Loss of JV/Asso. Cos.	0	0	0	0	0	0	0	0	0	0	0	
Reported PAT	1,276	1,451	1,243	1,196	479	1,021	1,480	1,899	5,166	4,855	894	14.2
Adjusted PAT	1,276	1,451	1,243	1,254	633	1,021	1,480	1,899	5,224	5,033	894	14.2
YoY Change (%)	6.1	79.8	41.3	13.0	-50.4	-29.6	19.0	51.4	30.6	-3.7	-38.4	
Margins (%)	12.5	12.6	10.8	10.5	6.4	8.6	11.5	13.7	11.6	10.4	8.4	

E: MOFSL Estimates

**Key performance Indicators (Consolidated)** 

Y/E March		FY2	3			FY2	4E		FY23	FY24E	FY24E
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE
FD	5,487	5,856	5,226	6,115	5,420	7,375	7,735	8,197	22,684	28,727	5,622
YoY Change (%)	20.7	15.6	14.2	16.4	-1.2	25.9	48.0	34.1	16.7	26.6	-4.0
PFI	2,368	2,349	2,132	2,172	1,478	1,427	1,833	2,297	9,021	7,036	1,926
YoY Change (%)	38.0	22.9	-5.6	-15.4	-37.6	-39.2	-14.0	5.8	6.7	-22.0	-18.0
API	2,341	3,303	4,103	3,667	2,957	2,974	3,283	3,491	13,414	12,703	3,072
YoY Change (%)	4.6	73.4	31.0	48.0	26.3	-10.0	-20.0	-4.8	37.6	-5.3	-7.0
Cost Break-up											
RM Cost (% of Sales)	50.4	50.3	51.6	52.2	48.6	48.3	47.8	47.4	48.9	52.0	49.6
Staff Cost (% of Sales)	10.7	10.2	10.4	10.6	14.2	12.5	12.0	11.7	10.5	12.5	13.0
Other Cost (% of Sales)	18.2	18.4	17.8	17.5	21.1	21.2	20.4	19.5	18.0	20.5	20.0
Gross Margins(%)	49.6	49.7	48.4	47.8	51.4	51.7	52.2	52.6	51.1	48.0	50.4
EBITDA Margins(%)	20.7	21.1	20.2	19.8	16.0	17.9	19.8	21.3	20.4	19.0	17.4
EBIT Margins(%)	16.5	17.3	16.0	15.7	11.0	13.5	15.7	17.4	16.3	14.7	12.7

E: MOFSL Estimates



# Highlights from the management commentary

- Net debt has increased to INR9.9b, up INR1.3b in 1HFY24.
- GRAN has 59 approved ANDAs and 10 await approval.
- The employee cost was higher in 1HFY24 due to the commissioning of MUPS block and Virginia packaging facility.

# **Key exhibits**

Exhibit 1: Revenue grew 3% YoY in 2QFY24

Exhibit 2: EBITDA margin contracted 320bp YoY in 2QFY24



Source: MOFSL, Company

Source: MOFSL, Company

# Work-in-progress towards Capex/improving capacity utilization

# Investments in capacity expansion/manpower to boost growth

- In 1HFY24, overall sales stood flat YoY at INR21.8b as IT security issue impacted production/sales activities.
- In addition to the resolution of intermittent issues, GRAN has operationalized MUPS block as well as packaging facility at Virginia.
- Further, the investment remains on track at Genome Valley, with phase II expected to be completed by May'24, adding 2.5b unit capacity.
- The backward integration of its core products (Paracetamol/Metformin) is also on track to improve overall profitability over the medium term.
- With respect to CZRO update, third-party technical feasibility study report is received and final discussions with Greenko are in progress.
- Thus, GRAN remains on track to increase capacity to cater to future needs as well as improve efficiency from operations.

# **Expansion in Europe/US to drive growth**

- In 1HFY24, GRAN reported 11% YoY growth in the US to INR14b, largely due to volume growth. However, EU revenue declined 2% to INR4.5b on account of price erosion, slightly offset by volume growth.
- GRAN has a total of 33 DMFs in the US. Moreover, in 1HFY24, GRAN launched four products in the US and one in the UK.
- Further, to enhance its revenue share from the regulated market, it plans to launch seven products in the US, two products each in UK, EU and South Africa in 2HFY24.
- Hence, its focus on enzyme and fermentation technology to build the pipeline of complex products in the regulated market will support overall growth for GRAN over the next 12-15 months. We expect a 10% CAGR in overall sales to INR54.5b over FY23-25.

#### **Maintain BUY**

We cut our earnings estimate by 5% for FY24, factoring in a delay in certain launches in the US and gradual utilization of new facilities. We value GRAN at 14x 12M forward earnings to arrive at a TP of INR430.

 GRAN is implementing efforts towards capacity addition and backward integration, and is enhancing product offerings to regulated market, including some niche launches. Accordingly, we expect a 16% earnings CAGR over FY23-25. Maintain BUY.

Exhibit 3: P/E chart P/E (x) Max (x) Avg (x) +1SD -1SD Min (x) 36.0 26.1 27.0 20.0 18.0 9.0 0.0 Nov-13 Aug-17 Feb-20 May-16 Nov-18 May-21 Aug-22

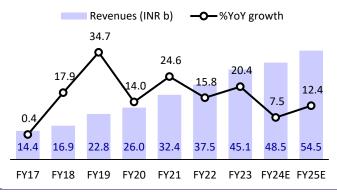
Exhibit 4: EV/EBITDA chart EV/EBITDA (x) Avg (x) Max (x) Min (x) +1SD -1SD 20.0 14.5 15.0 11.5 10.0 5.0 3.9 0.0 Feb-15 May-16 Nov-18 Feb-20 Aug-22 Nov-23 Aug-17 Nov-13 May-21

Source: MOFSL, Company, Bloomberg

Source: MOFSL, Company, Bloomberg

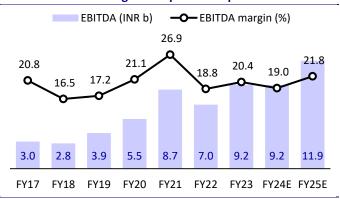
# **Story in charts**

Exhibit 5: Expect revenue CAGR of ¬10% over FY23-25



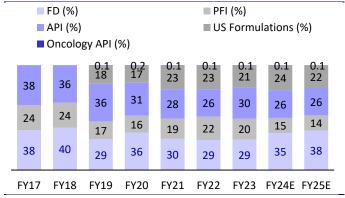
Source: MOFSL, Company

Exhibit 6: EBITDA margin to expand 140bp over FY23-25



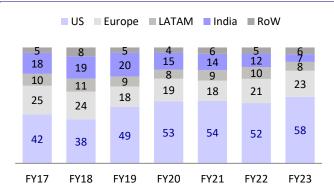
Source: MOFSL, Company

Exhibit 7: FD contribution to remain the highest



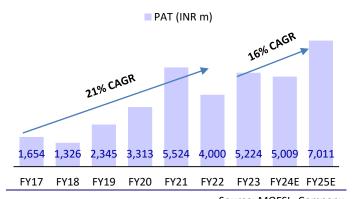
Source: MOFSL, Company

Exhibit 8: US has the highest revenue contribution



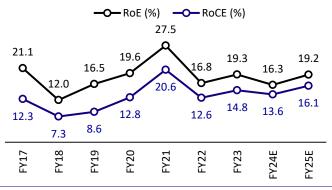
Source: MOFSL, Company

Exhibit 9: PAT to exhibit 16% CAGR over FY23-25



Source: MOFSL, Company

Exhibit 10: Return ratios rising steadily over FY23-25



Source: MOFSL, Company

# **Financials and valuations**

Consolidated - Income Statement									INRm
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
<b>Total Income from Operations</b>	14,353	16,918	22,792	25,986	32,375	37,477	45,119	48,510	54,534
Change (%)	0.4	17.9	34.7	14.0	24.6	15.8	20.4	7.5	12.4
Total Expenditure	11,364	14,134	18,872	20,513	23,665	30,427	35,901	39,293	42,645
% of Sales	79.2	83.5	82.8	78.9	73.1	81.2	79.6	81.0	78.2
EBITDA	2,988	2,784	3,920	5,473	8,710	7,050	9,218	9,217	11,888
Margin (%)	20.8	16.5	17.2	21.1	26.9	18.8	20.4	19.0	21.8
Depreciation	715	762	1,055	1,370	1,515	1,586	1,845	2,086	2,262
EBIT	2,273	2,022	2,866	4,104	7,195	5,464	7,373	7,131	9,626
Int. and Finance Charges	323	331	285	270	263	232	559	817	606
Other Income	99	108	267	366	152	176	138	97	109
PBT bef. EO Exp.	2,050	1,800	2,848	4,199	7,085	5,407	6,952	6,411	9,129
EO Items	0	0	-80	57	-40	173	-80	-211	0
PBT after EO Exp.	2,050	1,800	2,768	4,257	7,045	5,580	6,872	6,200	9,129
Current Tax	652	659	891	1,257	1,954	1,382	1,772	1,345	2,118
Deferred Tax	-9	-25	72	-100	-405	70	-66	0	0
Tax Rate (%)	31.4	35.2	34.8	27.2	22.0	26.0	24.8	21.7	23.2
Add: Associate income	247	160	487	255	0	0	0	0	0
Reported PAT	1,654	1,326	2,292	3,354	5,496	4,128	5,166	4,855	7,011
Adjusted PAT	1,654	1,326	2,345	3,313	5,524	4,000	5,224	5,009	7,011
Change (%)	39.6	-19.8	76.8	41.3	66.8	-27.6	30.6	-4.1	40.0
Margin (%)	11.4	7.8	10.2	12.6	17.0	10.6	11.5	10.3	12.8

Consolidated - Balance Sheet									INRm
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	229	254	254	254	248	248	242	242	242
Total Reserves	8,807	12,788	15,040	18,183	21,485	25,617	28,107	32,856	39,584
Net Worth	9,036	13,042	15,295	18,437	21,733	25,865	28,349	33,098	39,826
Minority Interest	0	0	0	0	0	6	0	0	0
Deferred Liabilities	565	543	655	482	11	139	77	77	77
Total Loans	5,981	9,582	9,330	7,932	7,504	10,928	11,292	10,495	9,699
Capital Employed	15,582	23,167	25,279	26,851	29,248	36,938	39,718	43,670	49,602
Gross Block	10,099	14,430	16,639	21,442	22,220	25,355	30,941	37,441	41,941
Less: Accum. Deprn.	3,656	4,418	5,473	6,842	8,357	9,943	11,788	13,851	16,113
Net Fixed Assets	6,443	10,012	11,167	14,600	13,863	15,412	19,153	23,590	25,828
Capital WIP	2,605	2,901	3,235	1,481	1,848	3,562	2,280	4,851	5,453
Total Investments	1,082	1,566	2,104	193	190	197	361	361	361
Curr. Assets, Loans&Adv.	8,633	11,891	13,279	15,957	21,226	25,945	27,168	24,139	27,698
Inventory	2,761	2,799	3,842	4,384	7,822	9,786	11,494	9,689	10,282
Account Receivables	4,177	6,171	6,735	6,620	7,654	9,250	9,485	10,499	12,102
Cash and Bank Balance	498	1,156	890	2,839	2,710	4,095	3,128	660	1,616
Loans and Advances	1,198	1,765	1,811	2,113	3,040	2,815	3,060	3,290	3,699
Curr. Liability & Prov.	3,183	3,272	4,548	5,432	7,887	8,191	9,258	9,285	9,753
Account Payables	2,160	2,522	3,235	3,569	5,410	6,386	7,821	7,859	8,179
Other Current Liabilities	934	646	1,144	1,589	2,160	1,294	998	1,073	1,206
Provisions	89	104	169	275	317	511	439	354	368
Net Current Assets	5,451	8,620	8,731	10,525	13,340	17,753	17,910	14,853	17,945
Appl. of Funds	15,582	23,167	25,279	26,852	29,248	36,938	39,718	43,669	49,602

E: MOFSL Estimates

# **Financials and valuations**

Ratios									
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
EPS	6.8	5.5	9.7	13.7	22.8	16.5	21.6	20.7	29.0
Cash EPS	10.4	8.2	13.4	18.4	28.4	22.5	29.2	29.3	38.3
BV/Share	39.5	51.4	60.2	72.5	87.7	104.3	117.1	136.7	164.5
DPS	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Payout (%)	13.5	21.9	13.4	8.9	5.3	7.0	5.5	5.8	4.0
Valuation (x)				0.5			5.5		
P/E	54.1	67.5	38.2	27.0	16.2	22.4	17.1	17.9	12.8
Cash P/E	35.7	45.0	27.7	20.1	13.0	16.4	12.7	12.6	9.7
P/BV	9.4	7.2	6.2	5.1	4.2	3.5	3.2	2.7	2.2
EV/Sales	6.3	5.5	4.1	3.5	2.8	2.4	2.1	1.9	1.7
EV/EBITDA	30.2	33.4	23.7	16.4	10.3	13.0	10.1	10.2	7.8
Dividend Yield (%)	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Return Ratios (%)		0.0	0.0	0.0	0.0	0.0	0.0		0.0
RoE	21.1	12.0	16.5	19.6	27.5	16.8	19.3	16.3	19.2
RoCE	12.3	7.3	8.6	12.8	20.6	12.6	14.8	13.6	16.1
RoIC	14.7	9.1	10.2	14.4	24.0	15.1	17.6	15.6	18.5
Working Capital Ratios	± 11.7	J.1				20.1	17.0	10.0	10.3
Asset Turnover (x)	0.9	0.7	0.9	1.0	1.1	1.0	1.1	1.1	1.1
Inventory (Days)	74	60	53	58	69	86	86	80	67
Debtor (Days)	71	111	103	94	80	82	76	75	76
Creditor (Days)	63	60	56	61	69	71	72	73	69
Leverage Ratio (x)					- 03		,-	,,,	- 03
Current Ratio	2.7	3.6	2.9	2.9	2.7	3.2	2.9	2.6	2.8
Interest Cover Ratio	7	6	10	15	27	24	13	9	16
Debt/Equity	0.7	0.7	0.6	0.4	0.3	0.4	0.4	0.3	0.2
Consolidated - Cash Flow Statement									INRm
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	2,050	1,800	2,848	4,256	7,044	5,580	6,952	6,411	9,129
Depreciation	715	762	1,055	1,370	1,515	1,586	1,845	2,086	2,262
Interest & Finance Charges	278	222	18	207	139	232	559	720	497
Direct Taxes Paid	-595	-634	-891	-1,191	-1,914	-1,450	-1,758	-1,345	-2,118
(Inc)/Dec in WC	-524	-2,511	-377	128	-2,749	-2,572	-103	589	-2,137
CF from Operations	1,925	-360	2,652	4,769	4,034	3,376	7,495	8,461	7,634
Others	-42	0	0	-7	291	-56	-27	0	0
CF from Operating incl EO	1,882	-360	2,652	4,762	4,325	3,321	7,467	8,461	7,634
(inc)/dec in FA	-3,157	-4,626	-2,544	-1,843	-2,710	-3,967	-4,107	-9,071	-5,102
(Pur)/Sale of Investments	0	-483	-539	0	-2	0	2,035	0	0
Others	-205	108	267	237	-59	166	158	97	109
CF from Investments	-3,362	-5,001	-2,816	-1,606	-2,771	-3,801	-1,914	-8,974	-4,993
Issue of Shares	829	2,970	195	0	41	37	-3,084	0	0
(Inc)/Dec in Debt	272	3,602	-252	-1,534	-719	2,530	-600	-797	-796
Interest Paid	-319	-331	-285	-266	-263	-242	-533	-817	-606
Dividend Paid	-223	-290	-306	-307	-247	-372	-186	-283	-283
	FFO	6,019	-102	-2,129	-2,993	1,900	-4,403	-1,955	-1,685
CF from Fin. Activity	559	-,-							
	-921	658	-266	1,027	-1,440	1,419	1,151	-2,468	955
CF from Fin. Activity Inc/Dec of Cash Opening Balance				<b>1,027</b> 890	<b>-1,440</b> 2,839	<b>1,419</b> 2,711	<b>1,151</b> 4,095	<b>-2,468</b> 3,128	<b>955</b> 660
Inc/Dec of Cash	-921	658	-266						
Inc/Dec of Cash Opening Balance	- <b>921</b> 1,419	<b>658</b> 498	- <b>266</b> 1,156	890	2,839	2,711	4,095	3,128	660

E: MOFSL Estimates

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

# NOTES

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

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

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 swal.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 research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

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

## For Hong Kong:

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

#### For U.S.

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

9 9 November 2023

The associates of MOFSL may have:

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

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

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

#### **Analyst Certification**

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

#### **Terms & Conditions:**

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

#### Disclaimer:

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

This report is meant for the clients of Motilal Oswal only.

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

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai-400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085.

Grievance	Redressal	Cell:

One varied Neurossai Odii.							
Contact Person	Contact No.	Email ID					
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com					
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com					
Mr. Ajay Menon	022 40548083	am@motilaloswal.com					

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

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