BUY



Indostar Capital Finance

Bloomberg	INDOSTAR IN
Equity Shares (m)	123
M.Cap.(INRb)/(USDb)	18.1 / 0.2
52-Week Range (INR)	198 / 104
1, 6, 12 Rel. Per (%)	16/-6/-14
12M Avg Val (INR M)	14

Financials & Valuations (INR b)

Y/E March	FY23	FY24E	FY25E
NII	4.8	5.7	7.5
PPP	2.0	3.2	5.5
PAT	2.3	1.5	2.6
EPS (INR)	16.5	11.3	19.3
EPS Gr. (%)	-131	-32	72
BV (INR)	229	240	259
Ratios			
NIM (%)	6.7	7.2	7.0
C/I ratio (%)	66.9	57.7	46.5
RoA (%)	2.4	1.5	2.0
RoE (%)	7.5	4.8	7.8
Payout (%)	0.0	0.0	0.0
Valuations			
P/E (x)	8.8	13.0	7.5
P/BV (x)	0.64	0.61	0.56
Div. Yield (%)	0.0	0.0	0.0

Shareholding pattern (%)

As On	Mar-23	Dec-22	Mar-22
Promoter	89.2	89.2	89.2
DII	1.6	1.5	1.6
FII	1.2	1.2	1.3
Others	8.1	8.1	7.9

FII Includes depository receipts

Turnaround in progress; focuses on used CV and

Indostar reported an operationally good quarter. Key highlights: 1) strong ~70% QoQ growth in 4QFY23 disbursements to ~INR9b, 2) investment in human capital (+85 employees in 4Q to 2,814), 3) CV segment contributed ~90% to the disbursement mix, and 4) improvement in asset quality.

TP: INR175 (+20%)

Key highlights from the results:

CMP: INR146

housing

- Indostar successfully completed its offer for sale of ~19.3m shares on 3rd and 4th May'23. The public shareholding in Indostar has increased from ~10.8% to 25%, ensuring compliance with SEBI regulations.
- The company reported 4QFY23 PAT of INR760m (v/s net loss of INR7.5b in 4QFY22), driven primarily by provision write-backs of INR47m and lower operating expenses (due to reversal of ESOP costs of ~INR510m in 4QFY23 on unvested options). FY23 PAT stood at ~INR2.3b as against a loss of INR7.4b in FY22.
- Gross AUM declined 19% YoY but grew 2% QoQ to INR78b. Corporate loans declined 25% YoY, with their proportion declining to ~15%. Retail AUM rose ~3% QoQ to INR66.3b, with CV and Housing Finance posting decent sequential growth.
- With its senior leadership team in place, focus on streamlining and improving processes, and improvement in asset quality, Indostar is wellpositioned to achieve a steady improvement in its RoA profile.
- With better visibility on disbursement momentum, we estimate 30%/8% AUM/PAT CAGRs over FY23-25 on the back of healthy NIM (7.0-7.2%) and benign credit costs (1.6-2.0%) over FY24 and FY25. After a difficult last one year, we believe this franchise is now on course for a turnaround. We have a BUY rating with a TP of INR175 (0.7x FY25E BVPS).

Strong momentum in Retail disbursements

- Disbursements continued to gain momentum and the company reported disbursements of INR9b in 4QFY23 (PQ: INR5.2b). Disbursements were strong across CV and Housing Finance. CV Finance disbursements for 4QFY23 stood at INR6.6b (PQ: 3.3b).
- Indostar has strategically prioritized the Used CV segment, with ~90% of its 4QFY23 disbursements from this segment. This change in the product mix toward the used CV segment will enable higher blended yields.

Key highlights from the management commentary

- Indostar has guided for monthly disbursements of INR3.5b in the Used CV segment. It expects standalone AUM to grow to ~INR90b and consolidated AUM to grow to ~INR130b by FY25.
- It has guided for NIM to improve to 6.5% (v/s current level of 5.6%), driven by improving proportion of higher-yielding Used CV in the loan mix.

Abhijit Tibrewal - Research Analyst (Abhijit.Tibrewal@MotilalOswal.com)

Valuation and view

- The company has strategically prioritized the expansion of its loan book in the used CV and affordable housing finance segments. It anticipates that a strengthened management team, enhanced processes, and a favorable economic climate will serve as catalysts for growth in these segments.
- While the Corporate book will continue to run down, we expect the Retail book to see strong growth from FY24 onward. It has made conservative provisions on stressed loans and we expect credit costs at ~1.6-2.0% over the next two years.
- Over the last two quarters, Indostar has made some sound business decisions, which can help this franchise make a turnaround. Risk-reward is favorable at 0.6x FY25E P/BV. We have a BUY rating with a TP of INR175 (0.7x FY25E BVPS).

Quarterly Performance Y/E March	FY22 FY23					(INR M)				
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	FY22	FY23
Interest Income	2,416	2,447	2,613	3,196	2,770	2,609	2,626	2,579	10,672	10,584
Interest Expenses	1,387	1,370	1,250	1,389	1,481	1,464	1,354	1,504	5,395	5,803
Net Interest Income	1,029	1,077	1,362	1,808	1,289	1,145	1,272	1,075	5,276	4,782
YoY Growth (%)	-23.4	-12.3	29.9	75.5	25.3	6.3	-6.6	-40.5	13.4	-9.4
Other Income	237	399	268	214	372	336	191	313	1,071	1,212
Total Income	1,266	1,476	1,631	2,021	1,662	1,481	1,463	1,388	6,348	5,994
YoY Growth (%)	-15.1	-3.9	4.6	68.4	31.3	0.4	-10.3	-31.3	9.7	-5.6
Operating Expenses	934	929	1,009	855	1,021	1,120	1,209	662	3,726	4,011
Operating Profit	332	547	622	1,166	641	361	254	726	2,621	1,983
YoY Growth (%)	-52.8	1.0	-22.7	204.8	93.1	-33.9	-59.1	-37.7	-4.0	-24.4
Provisions & Loan Losses	824	16	427	10,363	-23	-202	-132	-47	11,585	-404
Profit before Tax	-493	531	196	-9,197	664	563	386	773	-8,964	2,386
Tax Provisions	-124	136	50	-1,661	55	47	20	13	-1,599	135
Net Profit	-368	394	145	-7,537	609	516	367	760	-7,365	2,252
YoY Growth (%)	-178	25	-40	138	-265	31	152	-110	,	-130.6
Key Operating Parameters (%)										
Yield on loans (Cal)	13.9	14.0	13.9	16.4	15.4	16.0	16.6	16.1		
Cost of funds (Cal)	10.4	9.7	8.8	9.3	9.8	10.2	9.8	11.0		
Spreads (Cal)	3.4	4.3	5.1	7.1	5.6	5.8	6.8	5.1		
NIMs (Cal)	4.7	5.1	6.1	7.7	5.8	5.7	6.5	5.6		
Credit Cost (Cal)	4.6	0.1	2.2	43.9	-0.1	-1.0	-0.7	-0.2		
Cost to Income Ratio	73.8	63.0	61.8	42.3	61.4	75.6	82.6	47.7		
Tax Rate	25.2	25.7	25.7	18.1	8.3	8.3	5.1	1.7		
Balance Sheet Parameters										
AUM (INR B)	84.3	85.7	92.4	96.6	82.5	79.1	76.7	78.1		
Change YoY (%)	-16.4	-8.2	-1.1	7.4	-2.2	-7.7	-17.0	-19.1		
AUM Mix (%)										
Vehicle	43.8	45.8	48.7	50.8	46.5	45.7	45.2	47.0		
Housing	12.0	12.9	13.2	14.6	17.8	19.5	19.9	20.8		
SME & Others	21.6	22.0	20.3	18.4	20.1	19.5	18.7	16.5		
Corporate	22.5	19.2	17.8	16.2	15.6	15.4	15.9	15.7		
Disbursements (INR B)	6.3	11.3	14.8	17.1	3.4	3.3	5.2	9.0		
Change YoY (%)	623.0	424.5	123.8	98.0	-45.2	-70.4	-64.7	-47.5		
Asset Quality Parameters (%)										
GS 3 (INR B)	3.3	3.6	3.6	6.8	3.4	4.9	5.4	4.8		
Gross Stage 3 (% on Assets)	4.5	4.7	4.3	13.6	8.2	7.1	7.9	6.8		
Net Stage 3 (% on Assets)	2.2	2.3	2.3	6.4	3.6	2.9	3.6	3.2		
PCR (%)	51.0	52.3	48.2	56.8	57.8	60.1	56.2	54.2		

E: MOFSL estimates

3

Significant improvement in asset quality driven by sale of stressed loans to ARC and recovery efforts

- GNPA/NNPA improved to 6.8%/3.2%, driven by reduction in stress book and improvement in staging of loans. PCR declined to 54% (PQ: 56%).
- Standalone Stage 2 as of FY23 has improved to ~INR11.7b (PY: INR17b) and the company maintained PCR of ~15% (~INR1.7b) on Stage 2 loans.
- Strong collections of ~INR9.2b resulted in gross collection efficiency of 126% in 4QFY23.
- Improved collections against loan pool sold to ARC give the company confidence that there will be additional write-backs of provisions on SRs in future. Indostar expects collections of over INR1.2b from SRs.

IndoStar Home Finance Pvt Ltd (IHFPL)

- AUM as of Mar'23 stood at ~INR16b, up ~15% YoY (PY: INR14.6b).
- Asset quality has improved, with GS3 improving to 1.3% as of Mar'23 (PY: 1.8%).
- IHFPL reported a PAT of ~INR378m in FY23, up ~10% YoY.
- The company is in discussions with JM Financial to explore strategic options to unlock value and achieve sustainable long-term growth for the housing finance/mortgage-backed businesses through various corporate actions (e.g., sale, demergers, spin-offs, etc.).

IndoStar Capital Finance Limited (ICFL)

- ICFL reported a PAT of ~INR1.9b in FY23 (v/s a loss of INR7.7b in FY22).
- AUM stood at ~INR62b (retail vehicle finance business AUM at INR36.7b). FY23 disbursements stood at ~INR16b (~90% in the vehicle finance business).
- With a strong focus on collections during the year, Gross Stage 3 declined to 8.1% in FY23 (PY: 15.5%) and Net Stage 3 improved to 3.8% (PY: 7.3%).

Highlights from management commentary

Business update

- The company has a strategic focus on expanding its loan book in the used CV and affordable housing finance segments.
- To drive this growth, the management team in the CV segment is being scaled up with the addition of a new business and product head.
- The company expects that a strong management team, improved processes, favorable liquidity, and a buoyant economy should drive growth in the used CV segment.
- In line with its growth strategy, Indostar has shifted its focus to Tier III and IV markets.
- In the current quarter, there was a YoY decline in opex, which can be attributed to the reversal of unvested ESOP costs that were previously charged to the profit and loss account.



30 May 2023

Guidance

- The company has guided for monthly disbursements of INR3.5b in the used CV segment and aims to grow the loan book to INR40b by FY24.
- Indostar expects total standalone AUM to grow to ~INR90b by FY25 and consolidated AUM to INR130b.
- The company expects margins to improve to 6.5% from the current level of
 5.6%, driven by improving proportion of high-yielding Used CV in the loan mix.
- The management expects to maintain an opex-to-AUM ratio at ~4% on a steady state basis.
- The credit cost is expected to be in the range of ~1.5%-2% in FY24.
- It has guided for RoA of 1.5% in FY24 and ~2.25-2.5% in FY25.
- The key factors that could drive RoA improvement include growth in the higheryielding Used CV loan book.
- Additionally, the company plans to assess the profitability of each branch to identify opportunities for reducing opex, which would in turn boost ROA.

Guidance for Housing finance business

- In the affordable housing segment, the company expects to grow the loan book to INR11b by FY24.
- It has guided for credit costs of 0.5% and RoA of 2.6-2.7% in the housing finance business in FY24.

CV segment

- Indostar has strategically focused on the Used CV segment, with ~90-95% of total disbursements from this segment.
- This shift is motivated by higher yields available in the Used CV segment. Key competitors in this segment are CIFC and SHFL.
- Around 40% of the Used CV segment is still unorganized. The company plans to capture this unorganized market in Tier III and IV locations by leveraging its improved digital processes.
- The tenor for Used CV loans is typically 3-3.5 years.
- The company earns yields of 18-18.5% in the Used CV segment, with overall yields of the standalone business in the range of 15-15.5%.

Asset quality

- Indostar is committed to maintaining high credit standards and gradually improving asset quality.
- To address past challenges, the company has implemented a business rule to minimize errors and enhance the accuracy of credit assessments.
- Moreover, the company has focused on enhancing underwriting metrics to ensure higher quality of its loan portfolio.
- Employees have been instructed to prioritize policy and compliance adherence over loan growth objectives.
- Further, improved collections against loan pool sold to ARC give the company confidence that there will be additional write-backs of provisions on SRs in future
- It expects collections of over INR1.2b from SRs.

30 May 2023

MOTILAL OSWAL

- Standalone Stage 2 as of Mar'23 improved to ~INR11.7b (PY: INR17b) and the company maintains provisions of ~15% of ~INR1.7b on the same.
- Bounce rates are elevated on account of a higher number of new-to-credit customers. The same is expected to improve as vintage of borrowers increases.

Housing finance business

- The company charges yields in the range of 14.5% to 15.5% on its affordable housing loans.
- The average ticket size for these loans is ~INR0.8-0.9m.
- With its robust branch infrastructure and dedicated employees, the company expects to double its AUM under this segment in the next two years.
- Furthermore, the company has a clear visibility on liquidity and funding sources to support its growth initiatives. It has a CAR of 80.5% as of FY23.
- Asset quality has improved, with GS3 ratio improving to 1.3% as of Mar'23 v/s
 1.8% as of Mar'22.
- Though the focus will be on affordable home loans, the company will also undertake LAP and other mortgage loans to maintain spreads at the current levels.
- The Housing segment is primarily focused on catering to self-employed customers in Tier III and IV cities.
- In this market, Indostar faces competition from other players such as Aptus and Aavas, which also have a similar focus on these markets and customer segment. The company's key area is in the southern region of India.

Tie-up with JM Financial

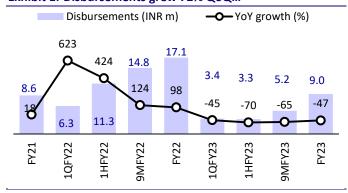
 Discussions ongoing with JM Financial on tie-ups with Indostar home finance and other mortgage businesses.

Digital initiatives

- Indostar is actively embracing digitalization to empower branch-level decisionmaking and foster a culture of accountability and credibility among branch heads and employees to enhance customer delivery efficiencies.
- The implementation of digital loan origination on mobile and web platforms facilitates a seamless customer journey while enabling sales, credit, and operations teams to improve both the quantity and quality of their services.

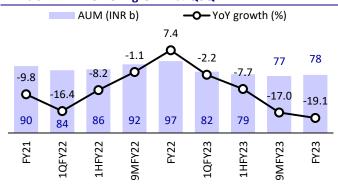
Key Exhibits

Exhibit 1: Disbursements grew 72% QoQ...



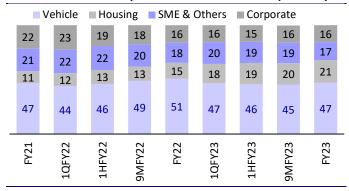
Source: MOFSL, Company

Exhibit 2: ...while AUM grew ~2% QoQ



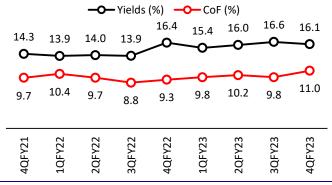
Source: MOFSL, Company

Exhibit 3: Share of corporate book was stable sequentially



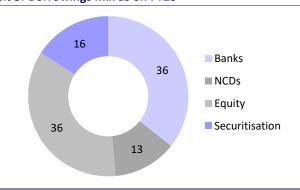
Source: MOFSL, Company

Exhibit 4: Spreads declined 100bp QoQ (%)



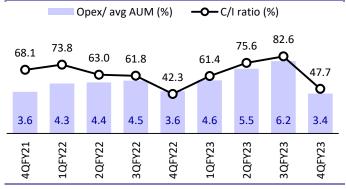
Source: MOFSL, Company;

Exhibit 5: Borrowings mix as on FY23



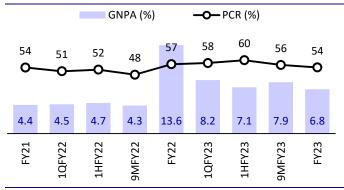
Source: MOFSL, Company

Exhibit 6: C/I ratio moderated to ~48%

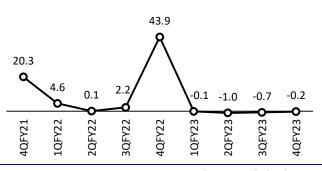


Source: MOFSL, Company; One-off accounting adjustment in 4QFY20

Exhibit 7: PCR on S3 loans declined to 54%



Source: MOFSL, Company



Source: MOFSL, Company

Valuation and view

The company has strategically prioritized the expansion of its loan book in the used CV and affordable housing finance segments. It anticipates that a strong management team, enhanced processes, and a favorable economic climate will serve as catalysts for growth in these segments.

- While the Corporate book will continue to run down, we expect the Retail book to see strong growth from FY24 onward. It has made conservative provisions on stressed loans and we expect credit costs at ~1.6-2.0% over the next two years.
- Over the last two quarters, Indostar has made some sound business decisions, which can help this franchise script a turnaround. Risk-reward is favorable at 0.6x FY25E P/BV. We have a BUY rating with a TP of INR175 (0.7x FY25E BVPS).

Exhibit 9: One year forward P/E - P/E (x) Max (x) Avg (x) Min (x) ·+1SD -1SD 57 48.0 Negative Earnings 39 21 16.6 10.0 6.5 May-19 Nov-19 Nov-20 Nov-22 May-20 May-21 May-18 **Nov-18** Nov-21 May-22 May-23

Exhibit 10: One year forward P/B P/B (x) Max (x) Avg (x) Min (x) +1SD -1SD 2.1 1.8 1.4 1.5 0.9 0.4 0.3 Nov-18 May-19 Nov-19 May-20 Nov-20 May-23 May-21 Nov-21 Nov-22

Source: MOFSL, Company

Source: MOFSL, Company

Financials and valuations

Income Statement								(INR M)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Interest Income	7,631	10,813	14,662	11,739	10,672	10,584	12,593	17,122
Interest Expended	3,255	5,636	8,634	7,086	5,395	5,803	6,882	9,632
Net Interest Income	4,376	5,177	6,028	4,653	5,276	4,782	5,711	7,490
Change (%)	31.9	18.3	16.4	-22.8	13.4	-9.4	19.4	31.1
Fee Income	159	620	515	327	444	542	758	1,024
Other Income	99	624	812	806	627	671	1,159	1,703
Net Income	4,634	6,420	7,355	5,786	6,348	5,994	7,629	10,217
Change (%)	13.6	38.5	14.6	-21.3	9.7	-5.6	27.3	33.9
Operating Expenses	1,548	2,466	3,120	3,055	3,726	4,011	4,400	4,747
Operating Income	3,087	3,954	4,235	2,731	2,621	1,983	3,229	5,470
Change (%)	-8.0	28.1	7.1	-35.5	-4.0	-24.4	62.9	69.4
Provisions and W/Offs	-38	162	8,602	4,920	11,585	-404	1,263	2,094
PBT	3,125	3,792	-4,367	-2,189	-8,964	2,386	1,966	3,376
Tax	1,121	1,384	-1,120	-48	-1,599	135	432	743
Tax Rate (%)	35.9	36.5	25.7	2.2	17.8	5.6	22.0	22.0
PAT	2,003	2,408	-3,246	-2,141	-7,365	2,252	1,533	2,633
Change (%)	-5.0	20.2	-234.8	-34.0	244.0	-130.6	-31.9	71.7
Balanca Chart								(1010-04)
Balance Sheet	F)(4.0	=140	E1/00	F1/24	EV.00	E1/22	510.45	(INR M)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	787	923	925	1,237	1,361	1,361	1,361	1,361
Reserves & Surplus	19,960	29,140	25,881	35,745	27,930	29,755	31,288	33,922
Net Worth	20,747	30,063	26,806	36,982	29,291	31,116	32,649	35,282
Other Capital Instruments	0	0	0	0	0	0	0	0
Borrowings	48,834	90,617	71,419	60,076	62,234	56,481	82,542	1,10,091
Change (%)	39.3	85.6	-21.2	-15.9	3.6	-9.2	46.1	33.4
Other liabilities	2,357	2,321	3,061	3,757	5,089	3,626	3,988	4,387
Total Liabilities	71,938	1,23,002	1,01,286	1,00,815	96,614	91,222	1,19,179	1,49,760
Investments	10,070	3,009	2,306	15,914	5,477	10,394	11,225	12,123
Change (%)	439.2	-70.1	-23.4	590.2	-65.6	89.8	8.0	8.0
Loans and Advances	59,004	1,03,637	82,931	71,393	77,069	65,157	92,743	1,20,979
Change (%)	16.8	75.6	-20.0	-13.9	8.0	-15.5	42.3	30.4
Net Fixed Assets	641	3,704	4,214	3,865	3,990	3,902	4,098	4,302
Other Assets	2,222	12,652	11,835	9,643	10,078	11,769	11,113	12,356
Total Assets	71,938	1,23,002	1,01,286	1,00,815	96,614	91,222	1,19,179	1,49,760

E: MOFSL Estimates

Financials and valuations

AUM Details								(INR M)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Consol. AUM (INR B)	62	117	100	90	97	78	102	133
AUM Mix								
Corporate	74	39	29	22	16	16	9	5
Retail	28	61	71	78	84	84	91	95
Vehicle	2	41	45	47	51	47	57	62
SME	26	16	18	21	18	17	10	7
Housing	1	5	8	11	15	21	24	26
Ratios								(%)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Spreads Analysis (%)								
Yield on Portfolio	13.1	13.0	15.6	14.9	14.1	14.6	15.7	15.8
Cost of Borrowings	7.8	8.1	10.7	10.8	8.8	9.8	9.9	10.0
Interest Spread	5.3	4.9	4.9	4.1	5.3	4.9	5.8	5.8
Net Interest Margin	8.0	6.4	6.5	6.0	7.1	6.7	7.2	7.0
Profitability Ratios (%)								
RoE	10.2	9.5	-11.4	-6.7	-22.2	7.5	4.8	7.8
RoA (on balance sheet)	3.2	2.5	-2.9	-2.1	-7.5	2.4	1.5	2.0
Debt: Equity (x)	2.4	3.0	2.7	1.6	2.1	1.8	2.5	3.1
Leverage (x)	3.5	4.1	3.8	2.7	3.3	2.9	3.7	4.2
zeverage (x)	3.3		3.0	2.7	3.3	2.3	3.7	
Efficiency Ratios (%)								
Int. Expended/Int.Earned	42.7	52.1	58.9	60.4	50.6	54.8	54.6	56.3
Op. Exps./Net Income	33.4	38.4	42.4	52.8	58.7	66.9	57.7	46.5
Empl. Cost/Op. Exps.	68.8	60.6	60.5	56.9	55.0	44.3	47.7	46.9
Fee income/Net Income	3.4	9.7	7.0	5.6	7.0	9.0	9.9	10.0
Asset quality								
GNPA	768	3,051	3,652	3,441	12,030	4,790	4,265	4,803
NNPA	640	1,995	2,893	1,580	5,190	2,190	1,919	2,161
GNPA %	1.3	2.9	4.4	4.7	13.6	6.8	4.5	3.9
NNPA %	1.1	1.9	3.5	2.2	6.7	3.4	2.1	1.8
PCR %	16.7	34.6	20.8	54.1	56.9	54.3	55.0	55.0
Valuation								
Book Value (INR)	264	326	290	299	215	229	240	259
BV Growth (%)	12.3	23.6	-11.0	3.1	-28.0	6.2	4.9	8.1
Price-BV (x)	12.5	25.0	0.5	0.5	0.7	0.6	0.6	0.6
Adjusted BV (INR)	257	303	262	279	153	204	218	235
Price-ABV (x)	0.6	0.5	0.6	0.5	1.0	0.7	0.7	0.6
EPS (INR)	25.5	26.1	-35.1	-17.3	-54.1	16.5	11.3	19.3
EPS Growth (%)	-5.4	2.5	-234.5	-50.7	212.8	-130.6	-31.9	71.7
Price-Earnings (x)			-4.2	-8.4	-2.7	8.8	13.0	7.5
Dividend per share			2.0	0.0	0.0	0.0	0.0	0.0
Dividend Yield (%)			1.4	0.0	0.0	0.0	0.0	0.0
F: MOESI Estimates								

E: MOFSL Estimates

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

$N\ O\ T\ E\ S$

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

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

30 May 2023 11

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.

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

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

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

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

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