

**CDSL** 

Estimate change	<b>↓</b>
TP change	T T
Rating change	$\leftarrow$

Bloomberg	CDSL IN
Equity Shares (m)	209
M.Cap.(INRb)/(USDb)	280.9 / 3.3
52-Week Range (INR)	1990 / 810
1, 6, 12 Rel. Per (%)	-20/18/45
12M Avg Val (INR M)	5078

### Financials & Valuations (INR b)

Y/E March	2025E	2026E	2027E
Revenue	11.6	14.1	17.1
EBITDA	6.9	8.6	10.7
EBITDA Margin (%)	59.7	61.1	62.6
PAT	5.6	7.2	8.9
PAT Margin (%)	48.8	50.9	52.0
EPS	27.0	34.2	42.4
EPS Grw. (%)	34.6	26.7	24.0
BVPS	84.0	96.3	111.7
RoE (%)	35.1	38.0	40.8
Div. Payout (%)	66.6	64.3	63.6
Valuations			
P/E (x)	49.8	39.3	31.7
P/BV (x)	16.0	14.0	12.0
Div. Yield (%)	1.3	1.6	2.0

### **Shareholding Pattern (%)**

As On	Dec-24	Sep-24	Dec-23	
Promoter	15.0	15.0	15.0	
DII	19.1	21.6	28.5	
FII	17.1	13.8	11.0	
Others	48.7	49.7	45.5	

FII includes depository receipts

CMP: INR1,344 TP: INR1,500 (+12%) Neutral

# Weak transaction income; high tech costs impact PAT

- CDSL's operating revenue grew 30% YoY to INR2.8b (10% miss) in 3QFY25, driven by 27%/87% YoY growth in Annual Issuer Charges/IPO and Corporate Action Charges. For 9MFY25, revenues rose 50% YoY to INR8.6b.
- EBITDA grew 22% YoY to INR1.6b (15% miss), resulting in EBITDA margin of 57.8% (vs. 61.3% in 3QFY24 and 62% in 2QFY25). For 9MFY25, EBITDA increased 51% YoY to INR5.1b. Operating expenses rose 41% YoY to INR1.2b, resulting in a CIR of 42.2% vs 38.7% in 3QFY24 and 38% in 2QFY25.
- PAT for 3QFY25/9MFY25 rose 21%/47% YoY to INR1.3b (20% miss)/INR4.3b. PAT margins came in at 46.7% vs. 50.1% in 3QFY24 and 50.3% in 2QFY25.
- Tech costs increased 89% YoY to INR296m, and management has guided that such investments in tech will continue. As a market infrastructure company, CDSL is required to maintain high-quality hardware and software systems.
- We have cut our earnings estimates by 10%/8%/8% for FY25/FY26/FY27 to factor in the impact of true to label on transaction revenues and continued investments in tech and human resources. We expect Revenue/PAT to post a CAGR of 28% each over FY24-27 and reiterate a Neutral rating on the stock with a one-year TP of INR1,500, premised at a P/E multiple of 40x on Sept'26E earnings.

### Continued investments in technology and human resources

- On the revenue front, transaction revenue remained flat YoY on account of the true to label regulation, which management expects will have a nearterm impact.
- Annual issuer charges increased 27% YoY to INR810m, of which INR74.7m came from unlisted companies. IPO/Corporate Action charges increased 87% YoY to INR580m on account of a higher number of folios, while the number of IPOs reduced during the quarter.
- During 9MFY25, the total income of the subsidiary, CVL, increased 61% YoY to INR2.2b, while total expenses grew 56% YoY to INR838m.
- Total expenses increased 41% YoY to INR1.2b, driven by a 27%/36%/89%
   YoY increase in Admin and Other Expenses/Employee/IT Costs, respectively.
- Demat account additions during the quarter reduced sequentially to 9.2m from 11.8m in 2QFY25. Meanwhile, the number of issuers increased to 31.6k from 21.9km in 3QFY24.

### Key takeaways from the management commentary

- Regarding regulatory fee charges, the amount paid to IPF is calculated as a % of operating margins while annual charges paid to SEBI are calculated on the basis of custody charges collected. Hence, an increase in these factors will lead to an increase in the regulatory fee.
- Impairment costs stood at INR24.6m. Other expenses declined 6% QoQ, mainly on account of a decline in the KYC income during the quarter.

Research Analyst: Prayesh Jain (Prayesh.Jain@MotilalOswal.com) / Nitin Aggarwal (Nitin.Aggarwal@MotilalOswal.com)

Research Analyst: Muskan Chopra (Muskan.Chopra@MotilalOswal.com) / Kartikeya Mohata (Kartikeya.Mohata@MotilalOswal.com)

### Valuation and view

■ Continued investments in human resources and technology for future growth could restrict gains from operating leverage, but we still expect EBITDA margins to expand to ~63% in FY27E from 60.3% in FY24. An asset-light business model and a healthy dividend payout ratio of 64% in FY27E will translate into an RoE of ~41% in FY27E, compared to 31% in FY24.

We have cut our earnings estimates by 10%/8%/8% for FY25/FY26/FY27 to factor in the impact of true to label on transaction revenues and continued investments in tech and human resources. We expect Revenue/PAT to post a CAGR of 28% each over FY24-27E and reiterate a Neutral rating on the stock with a one-year TP of INR1,500, premised at a P/E multiple of 40x on Sept'26E earnings.

<b>Quarterly Performance</b>														(INR m)
Y/E March		FY	FY24 FY25			FY24	EV2EE	3QFY25E	Act v/s	YoY	QoQ			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE	F124	F1Z3E	SQF123E	Est. (%)	101	QUQ
Revenue from Operations	1,497	2,073	2,145	2,408	2,574	3,223	2,781	2,978	8,122	11,556	3,086	-9.9	30%	-14%
Change YoY (%)	6.8	39.2	51.9	93.0	72.0	55.4	29.7	23.7	46.3	42.3	43.9			
Employee expenses	226	224	237	276	267	314	323	330	963	1,234	314	2.7	36%	3%
Other Expenses	464	555	593	653	762	910	852	900	2265	3,424	886	-3.8	44%	-6%
Total Operating Expenses	690	779	830	929	1,029	1,225	1,175	1,230	3,229	4,659	1,200	-2.1	41%	-4%
Change YoY (%)	7	39	48	68	49	57	41	32	39.3	44	45			
EBITDA	807	1,294	1,314	1,479	1,544	1,998	1,606	1,748	4,894	6,897	1,886	-14.8	22%	-20%
Other Income	242	228	215	266	295	362	200	246	950	1,103	380	-47.4	-7%	-45%
Depreciation	58	65	69	80	98	119	130	131	272	478	122	6.3	88%	9%
PBT	990	1,457	1,460	1,665	1,741	2,241	1,677	1,863	5,572	7,523	2,144	-21.8	15%	-25%
Change YoY (%)	28	33	46	100	76	54	15	12	50.7	35	47			
Tax Provisions	242	358	375	390	405	627	386	507	1,365	1,925	536	-28.0	3%	-39%
P&L from associate	-11	-9	-10	20	5	6	7	6	-11	24	6			
Net Profit	737	1,090	1,075	1,294	1,342	1,620	1,298	1,362	4,197	5,622	1,614	-19.6	21%	-20%
Change YoY (%)	28	35	44	105	82	49	21	5	52.0	34	50			
<b>Key Operating Paramet</b>	ers (%)													
Cost to Operating	46.1	37.6	38.7	38.6	40.0	38.0	42.2	41.3	39.7	40.3	38.9	336 bp	353bp	424bp
Income Ratio			30.7	30.0	40.0				33.7		30.3	330 bp	333bb	4240P
EBITDA Margin	53.9	62.4	61.3	61.4	60.0	62.0	57.8	58.7	60.3	59.7	61.1	-336 bp	-353bp	-424bp
PBT Margin	66.2	70.3	68.1	69.1	67.7	69.5	60.3	62.6	68.6	65.1	69.5	-919 bp	•	-926bp
Tax Rate	24.4	24.6	25.7	23.4	23.2	28.0	23.0	27.2	24.5	25.6	25.0	-199 bp	-269bp	-499bp
PAT Margin	49.2	52.6	50.1	53.8	52.1	50.3	46.7	45.7	51.7	48.7	52.3	-562 bp	-344bp	-358bp
Total Income Breakup														
(INR m)								_						
Transaction revenue	410	500	590	760	750	830	590	655	2,260	2,600	789	-25.2	0%	-29%
IPO / Corporate action	100	260	310	270	270	520	580	651	940	1,110	510	13.8	87%	12%
charges	620	620	640	CEO	760	040	040	050	2.550	2.000	024	4.7	270/	00/
Annual Issuer charges	630	630	640	650	760	810	810	859	2,550	2,680	824	-1.7	27%	0%
Online data charges	240	410	430	520	530	660	510	540	1,600	1,890	594	-14.1	19%	-23%
Others	360	500	390	470	560	770	490	520	1,720	1,920	750	-34.7	26%	-36%
Net A/c opened (In m)	5.2	8.0	8.5	10.9	9.9	11.8	9.2							
Total BO account (In m)		96.2	104.7	115.6	125.5	137.3	146.5							
Demat A/c (In t)	45.0	51.0	58.0	64.0	74.0	78.0	75.0							
No of Issuers	,	,	21,909	,	,	28,331	•							
No of ISINs	57,335	58,578	64,021	72,367	78,794	85,396	91,593							



### Key takeaways from the management commentary

### **Business:**

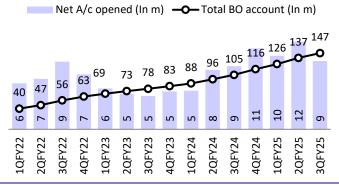
- Technology costs for 3QFY25 stood at 296m, +89% YoY. CDSL, being a market infrastructure company, is required to stay ahead of its capabilities and will continue to invest regularly in both high-quality hardware and software.
- Demat accounts opened during the quarter stood at 9.2m.
- In 3QFY25, CDSL earned INR74.7m from an unlisted company as issuer charges, of which INR47.6m was a processing fee (one-time).
- Other operating income included INR140m of e-cash income and INR50m of e-voting income. The margin pledge income for 3QFY25 stood at INR60.6m.
- Income from IPO/Corporate Action charges increased 87% YoY and 12% QoQ due to a higher number of folios, while the number of IPOs declined during the quarter.
- Impairment costs for 3QFY25 stood at INR24.6m. Other expenses declined 6% QoQ, mainly due to a decline in the KYC income during the quarter.
- Regarding regulatory fee charges, the amount paid to IPF is calculated as a % of operating margins, while annual charges paid to SEBI are calculated on the basis of the custody charges collected. Hence, an increase in these factors will lead to an increase in the regulatory fee.

### CVL:

- Total income for CVL increased 61% YoY to INR2.2b during 9MFY25.
- Total expenses rose 56% YoY to INR838m during 9MFY25.
- PBT/PAT during 9MFY25 grew to INR1.2b/926m.

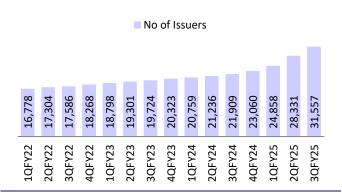
## Story in charts

Exhibit 1: The number of demat accounts opened during the quarter declined



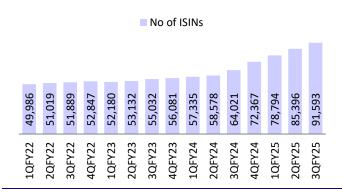
Source: Company, MOFSL

Exhibit 2: The number of issuers continues to increase



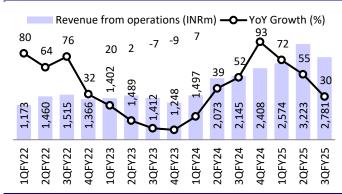
Source: Company, MOFSL

**Exhibit 3: Trend in the number of ISINs** 



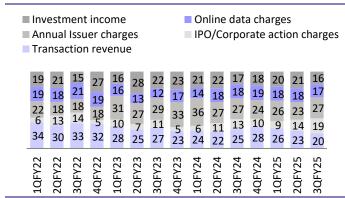
Source: Company, MOFSL

Exhibit 4: Revenue grew 30% YoY in 3QFY25



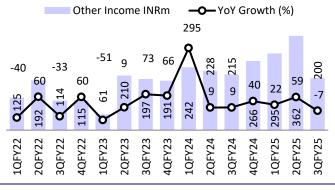
Source: Company, MOFSL

**Exhibit 5: Revenue mix % trend** 



Source: MOFSL, Company

**Exhibit 6: Trend in other income** 



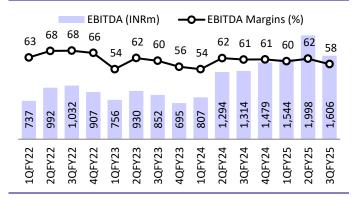
Source: MOFSL, Company

### Exhibit 7: C/I ratio (%) trend

#### 10FY21 30 GFY21 10FY22 10FY22 30 A0FY22 30 A0FY22 30 A0FY23 40 A0FY23

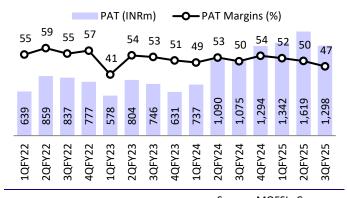
Source: MOFSL, Company

### Exhibit 8: Trend in EBITDA (INRm) and EBITDA margins (%)



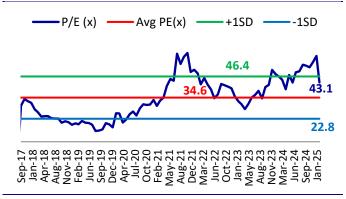
Source: MOFSL, Company

Exhibit 9: PAT margins grew to 47% in 3QFY25



Source: MOFSL, Company

Exhibit 10: One-year forward P/E



Source: MOFSL, Company

# **Financials and valuations**

Income Statement								INR m
Y/E March	2020	2021	2022	2023	2024	2025E	2026E	2027E
Revenue	2,251	3,437	5,513	5,551	8,123	11,561	14,061	17,067
Change (%)	15	53	60	1	46	42	22	21
Employee expense	473	413	506	810	964	1,234	1,456	1,675
Computer technology related								
expenses	154	199	276	384	633	1,108	1,330	1,596
Other expenses	734	706	1,063	1,124	1,631	2,316	2,687	3,117
Operating Expenses	1,360	1,319	1,845	2,317	3,229	4,659	5,473	6,387
EBITDA	890	2,118	3,669	3,234	4,894	6,902	8,588	10,679
Change (%)	-18	138	73	-11.9	51.3	41.0	24.4	24.4
Dep/Interest/Provisions	118	92	115	196	273	478	535	593
Other Income	592	569	546	658	950	1,103	1,485	1,741
PBT	1,364	2,595	4,100	3,696	5,571	7,528	9,538	11,827
Change (%)	-8	90	58	-9.9	50.7	35.1	26.7	24.0
Share of P/L of associates			-14	-44.2	-10.8			
Tax	297	583	967	892	1,365	1,882	2,384	2,957
Tax Rate (%)	22	22	24	24	24	25	25	25
PAT	1,067	2,013	3,118	2,760	4,196	5,646	7,153	8,870
Change (%)	-7	89	55	-11.5	52.0	34.6	26.7	24.0
Dividend	470	941	1,568	1,672	2,299	3,762	4,598	5,643
<b>Balance Sheet</b>								INR m
Y/E March	2020	2021	2022	2023	2024	2025E	2026E	2027E
Equity Share Capital	1,045	1,045	1,045	1,045	1,045	2,090	2,090	2,090
Reserves & Surplus	6,195	7,727	9,884	11,092	13,588	15,472	18,027	21,255
Net Worth	7,240	8,772	10,929	12,137	14,633	17,562	20,117	23,345
Minority Interest	419	428	434	434	438	482	531	584
Borrowings	0	0	0	0	0	0	0	0
Other Liabilities	975	1,641	1,892	2,000	2,744	3,109	3,467	3,869
Total Liabilities	8,633	10,841	13,254	14,571	17,816	21,154	24,115	27,797
Cash and Bank balance	537	2,077	2,059	710	529	-227	-50	310
Investments	6,694	7,094	9,255	9,367	11,493	13,793	16,501	19,344
Net Fixed Assets	743	962	1,097	2,966	3,441	4,783	4,467	4,494
Current Assets	659	708	842	1,528	2,354	2,806	3,197	3,648
Total Assets	8,633	10,841	13,253	14,571	17,816	21,154	24,115	27,797
-	•	-	-		•	-	-	•

E: MOFSL Estimates

# **Financials and valuations**

Cash flow								INR m
Y/E March	2020	2021	2022	2023	2024	2025E	2026E	2027E
Profit after Tax	1,067	2,013	3,118	2,760	4,196	5,646	7,153	8,870
Adjustments	(513)	(17)	30	(488)	(77)	(626)	(950)	(1,148)
Change in Working Capital	128	617	116	(577)	(82)	(86)	(34)	(49)
<b>Cash flow from Operating activities</b>	683	2,613	3,264	1,694	4,036	4,934	6,170	7,673
Other Income	592	569	546	658	950	1,103	1,485	1,741
Change in Current Investments	(719)	(401)	(2,161)	(112)	(2,126)	(2,300)	(2,708)	(2,844)
Change in Fixed Asset	(108)	(311)	(104)	(1,918)	(747)	(1,820)	(220)	(620)
Others	6	9	6	0	4	44	48	53
Cash flow from Investing activities	(230)	(133)	(1,713)	(1,371)	(1,918)	(2,973)	(1,394)	(1,670)
Interest Expense	0	0	0	-1	-1	0	0	0
Dividend Expense	(470)	(941)	(1,568)	(1,672)	(2,299)	(3,762)	(4,598)	(5,643)
Cash flow from Financing activities	(471)	(941)	(1,568)	(1,673)	(2,300)	(2,717)	(4,598)	(5,643)
Net Cash flow	-18	1,540	-16	-1,350	-182	-756	177	360
Opening Cash flow	555	537	2,077	2,059	710	529	(227)	(50)
Closing Cash flow	537	2,077	2,059	710	529	(227)	(50)	310
E: MOFSL Estimates  Ratios								
Y/E March	2020	2021	2022	2023	2024	2025E	2026E	2027E
Cost to Income Ratio	60.4	38.4	33.5	41.7	39.7	40.3	38.9	37.4
EBITDA Margins	39.6	61.6	66.5	58.3	60.3	59.7	61.1	62.6
PBT Margin	60.6	75.5	74.4	66.6	68.6	65.1	67.8	69.3
PAT Margin	47.4	58.6	56.6	49.7	51.7	48.8	50.9	52.0
Profitability Ratios (%)					-			
RoE	15.3	25.1	31.7	23.9	31.3	35.1	38.0	40.8
Dividend Pay-out Ratio	44.1	46.7	50.3	60.6	54.8	66.6	64.3	63.6
		2004	2025		2025	20055	2025	20255
Valuations	2020	2021	2022	2023	2024	2025E	2026E	2027E

BVPS (INR)	35	42	52	58	70	84	96	112
Change (%)	8.4	21.2	24.6	11.1	20.6	20.0	14.5	16.0
Price-BV (x)	38.7	31.9	25.6	23.1	19.1	15.9	13.9	12.0
EPS (INR)	5.1	9.6	14.9	13.2	20.1	27.0	34.2	42.4
Change (%)	-7.1	88.6	54.9	-11.5	52.0	34.6	26.7	24.0
Price-Earnings (x)	262.4	139.1	89.8	101.5	66.8	49.6	39.2	31.6
DPS (INR)	2.3	4.5	7.5	8.0	11.0	18.0	22.0	27.0
Dividend Yield (%)	0.2	0.3	0.6	0.6	0.8	1.3	1.6	2.0
E: MOESI Estimatos								

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 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, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on <a href="https://www.motilaloswal.com">www.motilaloswal.com</a>. 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 Ltd. are available on the website at <a href="http://onlinereports.motilaloswal.com/Dormant/documents/Associate%20Details.pdf">http://onlinereports.motilaloswal.com/Dormant/documents/Associate%20Details.pdf</a>

Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at <a href="https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx">https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx</a>

MOFSL, it's associates, Research Analyst or their relatives may have any financial interest in the subject company. MOFSL and/or its associates and/or Research Analyst or their relatives may have 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. MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may have any other potential conflict of interests at the time of publication of the research report or at the time of public appearance, 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.

In the past 12 months, MOFSL or any of its associates may have:

- a) received any compensation/other benefits from the subject company of this report
- b) managed or co-managed public offering of securities from subject company of this research report,
- c) received compensation for investment banking or merchant banking or brokerage services from subject company of this research report,
- d) received compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company of this research report.
- MOFSL and it's associates have not received any compensation or other benefits from the subject company or third party in connection with the research report.
- . Subject Company may have been a client of MOFSL or its associates during twelve months preceding the date of distribution of the research report.
- Research Analyst may have served as director/officer/employee in the subject company.
- MOFSL and research analyst may engage in market making activity for the subject company.

MOFSL and its associate company(ies), and Research Analyst and their relatives from time to time may have:

a) 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) 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.

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

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. To enhance transparency, MOFSL has incorporated a Disclosure of Interest Statement in this document. This should, however, not be treated as endorsement of the views expressed in the 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.

### 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.

### **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.

Disclosure of Interest Statement
Analyst ownership of the stock

A graph of daily closing prices of securities is available at <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.bseindia.com</a>. 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 Financial Services Limited (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 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. 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 of Singapore .Accordingly, if a Singapore person is not, or ceases to be, such an investor, they must immediately discontinue any use of this Report and inform MOCMSPL.

### 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 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:

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.