Buy



# **Mahindra & Mahindra Financial**

**BSE SENSEX** S&P CNX 65,076 19,343

**CMP: INR293 TP: INR350 (+20%)** 

## **Mahindra FINANCE**

Stock Info	
Bloomberg	MMFS IN
Equity Shares (m)	1236
M.Cap.(INRb)/(USDb)	361.7 / 4.4
52-Week Range (INR)	346 / 176
1, 6, 12 Rel. Per (%)	-1/5/35
12M Avg Val (INR M)	1191
Free float (%)	47.8

#### Financials Snapshot (INR b)

Y/E March	FY23	FY24E	FY25E
NII	64.8	74.8	91.0
PPP	37.5	43.4	56.8
PAT	19.8	21.7	28.7
EPS (INR)	16.1	17.6	23.3
EPS Gr. (%)	101	10	32
BV/Sh.(INR)	133	144	159
Ratios			
NIM (%)	8.3	7.7	7.8
C/I ratio (%)	42.1	41.9	37.6
RoA (%)	2.3	2.1	2.3
RoE (%)	12.6	12.8	15.4
Payout (%)	37.3	37.5	35.0
Valuations			
P/E (x)	18.2	16.6	12.5
P/BV (x)	2.2	2.0	1.8
Div. Yield (%)	2.1	2.3	2.8

#### Shareholding pattern (%)

As On	Jun-23	Mar-23	Jun-22
Promoter	52.2	52.2	52.2
DII	27.0	25.2	18.0
FII	14.1	15.0	17.8
Others	6.8	7.7	12.1

FII Includes depository receipts

Stock	Performan	ce (1-)	rear)
JUULK	r ei ioi illali	CE IT-	/ Cai /



# Earnest attempt at a credible transformation!

- MMFS has exhibited volatile operating performance and weak asset quality in the past. However, the management has undertaken various strategic initiatives, which we believe, if executed properly, could script a credible transformation of the company.
- MMFS has translated the KPIs introduced under Mission 2025 into strategic priorities, such as expanding its presence, leveraging technology to drive operational efficiency, developing new products and making process enhancements. The management is committed to investing in new capabilities and advanced technological solutions to reduce volatility in the company's operating performance.
- In the last fiscal year, MMFS strengthened its leadership position in the tractor, Mahindra Auto and non-Mahindra financing segments with improvement in market shares. The improved rural cash-flows should support demand sentiment in FY24. The company is also increasing its penetration in the used vehicle segment.
- We believe that this transformation is only half-complete. Given the change in product/ customer mix, blended NIM will find a new normal within the next few quarters, but the tech transformation that the company is embarking on should help MMFS improve its operating efficiency and credit costs.
- Strong moats in the rural/semi-urban customer segments position MMFS well to reap the rewards of the hard work that is going into evolving this franchise. We model a CAGR of 19%/20% in AUM/PAT over FY23-FY25E, with RoA/RoE of 2.3%/15.4% in FY25E. We have a BUY rating on the stock with a TP of INR350 (premised on 2.2x FY25E P/BV).

Transformation at play: Aims to deliver sustained and stable outcomes We hosted Mr. Raul Rebello, ED and MD & CEO designate, MMFS, as a part of the CEO Track at AGIC CY23.

- MMFS has set three goals for sustainable growth and three goals for protected profitability. The company's business assets were stuck at ~INR650b for three years and its guidance of doubling the AUM was driven by the belief that sectoral tailwinds and strong execution should help it deliver a 24-25% AUM CAGR.
- MMFS is cognizant of the horizontal and vertical risks and has improved its origination quality. MMFS now has guardrails to know how many new-tocredit, prime and sub-prime customers it adds every month.
- MMFS will keep its core strong and will make sure that it does not lose the heft in vehicle lending. ~10-15% of the incremental sourcing every month comes from prime customers. Non-cash collections have improved to ~70% (vs. 30% earlier), which will help to lower the collection costs and eventually opex.

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

Research Analyst: Nitin Aggarwal (Nitin.Aggarwal@MotilalOswal.com) | Parth Desai (Parth.Desai@MotilalOswal.com)

Global investors were excited to hear Mr. Raul Rebello's views on the future plans of the company and the next leg of value creation for its stakeholders.

## Transformation initiatives to revolutionize its business practices

- In order to realize its Vision 2025, MMFS has implemented various strategies and set specific objectives viz.: 1) scaling up new growth engines, 2) shifting the composition of customer segments, 3) diversifying product mix, 4) establishing dedicated collection rooms and legal toolkits, and 5) equipping employees with cutting-edge technology to enhance efficiency and drive process optimization.
- MMFS is also implementing Udaan an end-to-end transformation backed by technology and digital capabilities. As part of this initiative, it is strengthening its technology infrastructure to make the organization future-ready for fast-paced growth. This will include various programs aimed at improving the lending journey of customers, as well as sourcing, underwriting, cross-selling and collections for the company.
- This transformation is poised to yield several benefits, such as an enhanced experience for customers, a faster turnaround time, and strong digital capabilities.

## Demand momentum to sustain; building capabilities in non-vehicle as well

- Historically, we have seen stronger AUM growth for vehicle financiers in the fiscal year prior to the general elections. India's Lok Sabha elections will be held in 2024 and we expect vehicle demand momentum to sustain due to the government's thrust for higher spending on infrastructure, mining and real estate. We model AUM growth of ~19% over FY23-FY25E.
- MMFS is progressing well in its target of increasing the share of the non-vehicle portfolio by growing the SME Lending, Leasing and Digital Finco segments. These complementary segments provide counter-cyclical benefits and help MMFS deliver consistent growth. The company has guided for new business contribution of ~15% by FY25 (~6% as of Jun'23).

# Margins likely to see a transitory impact but should exhibit recovery from 2HFY24

- Industry-wide NIM in vehicle finance has been under pressure because of competitive intensity and a higher proportion of new vehicles in the disbursement mix (over the last 12 months). MMFS is also seeing an increase in the proportion of PrimeX customers (mass-affluent customers in semi-urban and rural areas) in the customer mix, which will have some impact on the margins.
- We expect this transient impact on NIM to continue for one more quarter post which a more sustainable NIM would emerge. We model NIM of 7.7%/7.8% in FY24/FY25E.

## Lower cost ratios will eventually offset NIM compression

- Opex will remain elevated in FY24 with the cost-income ratio at ~42% (same as FY23), driven by the company's technological transformation and investments in data/analytics.
- This tech transformation, when complete, will enable better productivity and efficiency through quicker turnaround and higher throughput in sanctions/disbursements. We expect the cost-income ratio to moderate to ~38% and cost-to-average assets ratio to improve to 2.8% in FY25E (3.2% in FY23/2.0% in FY24).

# Healthy asset quality and benign credit costs – structural or just cyclical tailwinds?

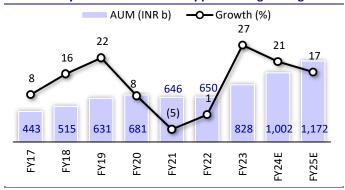
- Given better customer selection by culling out the most vulnerable segment, the implementation of initiatives to monitor early warning signals and equipping the field collection team with data insights, we expect volatility in asset quality to subside significantly.
- Cyclical tailwinds supported healthy loan growth, and the utilization of ECL provisions created in early FY23 for effecting customer settlements and write-offs did help MMFS deliver very benign credit cost of ~1.35% in FY23. However, given a) the declining share of vulnerable customers in the mix, b) rigor in collections, better legal toolkits, availability of digital payment methods, and c) alignment of employee incentives with collections and asset quality, we believe that asset quality will remain healthy and the credit cost will remain low at ~1.6%/1.7% in FY24/FY25E.

## **Execution still key to further rerating; reiterate BUY**

- MMFS has rapidly regained its lost ground, and its strong liability franchise and deep moats in the rural/semi-urban customer segments position MMFS well to reap the rewards of the ongoing transformation.
- Reducing volatility in operating performance will remain important for a further rerating for the franchise. For RoA/RoE of 2.3%/15.4% in FY25E, we maintain BUY with a TP of INR350 (premised on 2.2x FY25E P/BV).

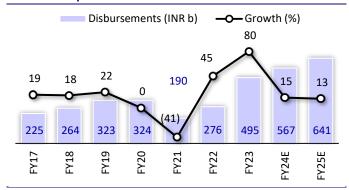
# **Story in charts**

Exhibit 1: Cyclical tailwinds will support strong AUM growth



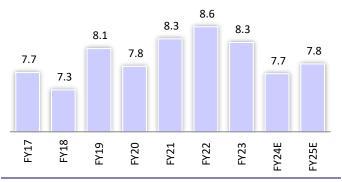
Source: MOFSL, Company

Exhibit 2: Expect disbursement CAGR of ~14% over FY23-25



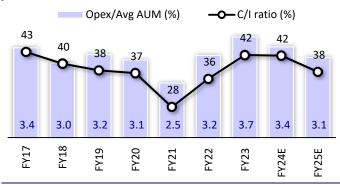
Source: MOFSL, Company

Exhibit 3: NIMs would expand from 2HFY24 onwards



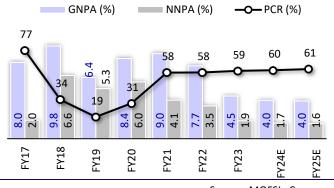
Source: MOFSL, Company

Exhibit 4: Opex-to- AUM to moderate to 3.1% by FY25E



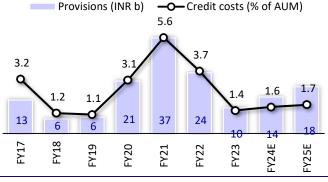
Source: MOFSL, Company

**Exhibit 5: Asset quality improvement to sustain** 



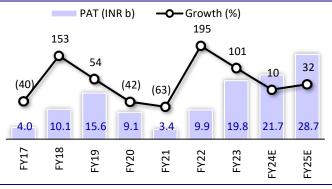
Source: MOFSL, Company

Exhibit 6: Credit costs to stay below 2% in FY24/FY25E



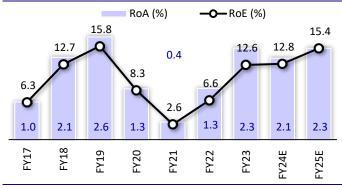
Source: MOFSL, Company

Exhibit 7: Estimate PAT CAGR of ~20% over FY23-25E...



Source: MOFSL, Company

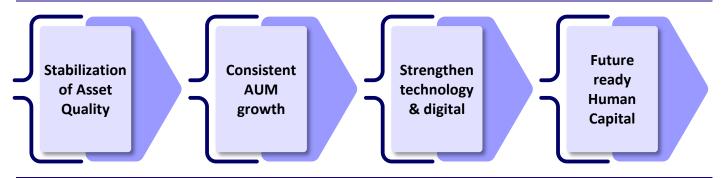
Exhibit 8: ...leading to RoA/RoE of 2%/~15% by FY25E



Source: MOFSL, Company

# Key strategic priorities to drive transformation

**Exhibit 9: Purpose-led strategy for future growth** 

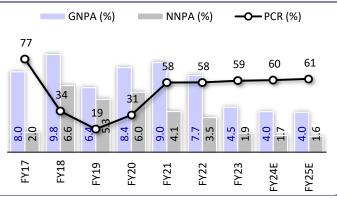


Source: MOSFL

## **Stabilization of Asset Quality**

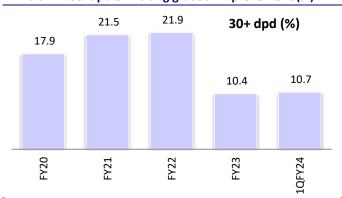
- Better customer selection (by culling out the highly vulnerable and volatile cash flow customer segment) can significantly reduce the tail risk for the company.
- Initiatives to bolster asset quality encompass deploying data and analytics for underwriting, enhancing review processes via automated dashboards, and reinforcing collections through data-enabled decision support and legal toolkits.
- MMFS is targeting the flourishing 'RURBAN' and affluent RUSU clientele.
- The collaboration with credit bureaus has been intensified, resulting in the organization-wide implementation of application scorecards. Further, the company has implemented digital lending processes like VKC, e-sign and e-NACH to mitigate risk.
- MMFS has established dedicated collection centers for curated treatment for NPA customer segments and disciplined vehicle repossessions. Stringent arbitration is applied for bad debts and loan pools. Notably, the company is using analytics to proactively detect early warning signals, preventing potential slippages into NPAs by employing pre-emptive collection measures.

Exhibit 10: Asset quality improvement to sustain



Source: MOFSL, Company

Exhibit 11: 30+dpd exhibiting gradual improvement (%)



Source: MOFSL, Company

## **Consistent AUM growth**

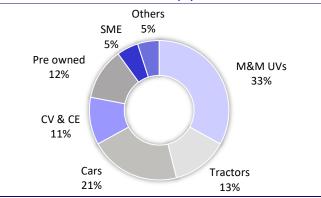
- MMFS targets to achieve 2x AUM growth (vs. FY22) through a combination of core vehicle finance growth and diversification into new businesses.
- The company has taken strides in its endeavor to enhance the share of non-vehicle portfolio by nurturing SME lending. The next leg of its growth strategy includes propelling new engines of growth such as SME lending, LAP, Leasing, and Digital FinCo. It is capitalizing on cross-selling opportunities by leveraging its extensive customer base of over 9m (with 2m active customers), particularly targeting affluent RUSU clients.
- Vehicle offerings are also gaining traction among mass-affluent clients across the rural, semi-urban and urban areas. In the realm of vehicle lending, MMFS has solidified its leadership by expanding the rural network, scaling up the preowned vehicle finance segment and augmenting its presence in the M&M Tractor and Auto segments.
- The company's partnerships with dealers and OEMs continue to be instrumental, enhancing its market presence and reach.

Exhibit 12: Cyclical tailwinds will support strong AUM growth

AUM (INR b) **—** Growth (%) 27 CAGR ~19% 22 21 16 17 8 (5)443 515 631 681 646 650 828 1,002 1,172 FY17 FY24E FY25E FY21

Source: MOFSL, Company

Exhibit 13: AUM mix as of Jun'23 (%)



Source: MOFSL, Company Note: Others include Trade Advances, Personal and Consumer Loans, Finance Lease Receivables

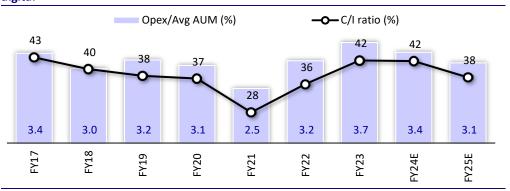
## Strengthen technology and digital capabilities

- MMFS has introduced 'Used Car Digi Loan' in collaboration with Car & Bike (by Mahindra First Choice Wheels) and Rupyy (by Car Dekho). The platform provides customers with a specialized end-to-end digital journey and offers them personalized loan offers from Mahindra Finance, empowering them to make faster purchasing decisions. Partners involved in the process have real-time visibility into the application status and sanctioned loan offers, enabling them to provide swift vehicle delivery.
- The rollout of 'QuickCheck', an offer generation platform for premium customers that book Mahindra vehicles like Scorpio N, XUV 300/400/700 at dealership, helps dealers and sales teams of the automotive vertical to pitch right offers from MMFS to the premium base of customers on the fly at showroom itself. Also, it assists dealers and sales teams in the automotive vertical in quickly and effectively presenting the best offers to the premium client base in-store.

'OneApp', an application to boost experience of field employees, has changed the digital posture of the company. It is also strengthening its core through new partnerships for payment gateways, generating digital leads, managing collections, cloud base omni-channel customer experience, etc.

- MMFS has enhanced the usage of ML/AI in business intelligence dashboards to facilitate a seamless implementation of strategic initiatives.
- The company has Incorporated APIs into the core system to enable a seamless partner integration. The company has integrated AI/ML-based models throughout the customer lifecycle to enhance customer experience.
- The company is undertaking a tech transformation through collaborations with aggregators and co-lending platforms.

Exhibit 14: Opex will remain elevated in FY24 because of investments in technology and digital



Source:

#### **Future-ready human capital**

- MMFS has realigned the organization, and the localization will play a major role. It is empowering employees with the latest technology to drive productivity.
- Unlike in the past, the company is now fostering a culture of digital-fist and data-first. This will help improve productivity through process optimization.
- The company boasts an extensive nationwide distribution network of 1,386 offices across 27 states and 7 Union Territories as of Mar'23. This broad network reduces dependence on any particular region and mitigates risks posed by regional, climatic, and cyclical factors, such as heavy monsoons or droughts.
- The decentralized authorization system, facilitated by this expansive office network, empowers each office to independently cultivate its business and leverage client relationships, offering diverse financial products including vehicle financing, pre-owned car loans, housing finance, SME financing, insurance broking, mutual fund distribution, and fixed deposits. Central guidelines are in place to maintain asset quality standards.

# Exhibit 15: One-year forward P/B ratio

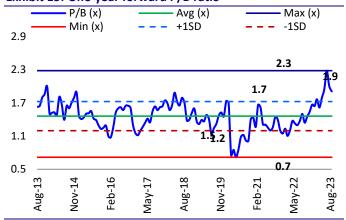
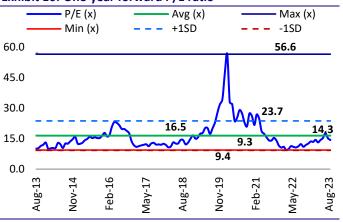


Exhibit 16: One-year forward P/E ratio



Source: MOFSL, Company

**Exhibit 17: DuPont analysis** 

Exhibit 17: DuPont analysis									
Y/E MARCH	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Interest Income	14.3	13.6	14.4	14.1	13.6	12.4	12.5	12.7	13.2
Interest Expended	6.8	6.3	6.6	6.8	6.3	5.1	5.3	6.0	6.3
Net Interest Income	7.5	7.2	7.8	7.2	7.3	7.3	7.1	6.6	6.9
Income from Securitisation	0.4	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3
Net operating income	7.9	7.3	8.0	7.5	7.5	7.5	7.4	6.9	7.1
Other Income	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2
Net Income	8.1	7.4	8.1	7.7	7.7	7.6	7.6	7.1	7.3
Operating Expenses	3.5	3.0	3.1	2.9	2.2	2.7	3.2	3.0	2.8
Operating Income	4.6	4.5	5.0	4.8	5.5	4.9	4.4	4.1	4.6
Provisions/write offs	3.1	1.2	1.1	2.9	4.9	3.1	1.2	1.3	1.5
PBT	1.5	3.3	4.0	1.9	0.6	1.8	3.2	2.8	3.1
Tax	0.5	1.2	1.4	0.6	0.1	0.5	0.8	0.7	0.8
Reported PAT	1.0	2.1	2.6	1.3	0.4	1.3	2.4	2.1	2.3
Leverage	6.6	6.1	6.1	6.5	5.8	5.1	5.4	6.2	6.7
RoE	6.3	12.7	15.8	8.3	2.6	6.6	12.9	12.8	15.4

Source: MOFSL, Company

# **Financials and valuations**

Income Statement									INR m
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Interest Income	60,127	65,842	86,146	99,417	1,02,670	94,756	1,06,826	1,33,884	1,63,689
Interest Expended	28,574	30,816	39,446	48,287	47,332	39,202	45,767	63,896	78,447
Net Interest Income	31,553	35,025	46,700	51,130	55,338	55,554	61,059	69,988	85,242
Change (%)	6.0	11.0	33.3	9.5	8.2	0.4	9.9	14.6	21.8
Other Operating Income	1,612	493	1,084	1,561	1,283	1,824	2,462	2,709	3,115
Other Income	636	517	869	1,473	1,277	608	1,273	2,100	2,625
Net Income	33,801	36,036	48,653	54,164	57,897	57,986	64,794	74,797	90,982
Change (%)	3.5	6.6	35.0	11.3	6.9	0.2	11.7	15.4	21.6
Operating Expenses	14,509	14,336	18,476	20,182	16,325	20,734	27,276	31,356	34,196
Operating Profits	19,292	21,700	30,177	33,982	41,573	37,252	37,518	43,440	56,786
Change (%)	-7.6	12.5	39.1	12.6	22.3	-10.4	0.7	15.8	30.7
Provisions	13,091	5,681	6,352	20,545	37,348	23,683	9,992	14,247	18,253
PBT	6,201	16,019	23,824	13,438	4,224	13,569	27,526	29,193	38,533
Tax	2,198	5,907	8,254	4,374	873	3,682	7,138	7,444	9,826
Tax Rate (%)	35.5	36.9	34.6	32.5	20.7	27.1	25.9	25.5	25.5
PAT	4,002	10,111	15,571	9,064	3,352	9,888	19,843	21,749	28,707
Change (%)	-40.5	152.6	54.0	-41.8	-63.0	195.0	100.7	9.6	32.0
Proposed Dividend (Incl Tax)	1,610	2,938	4,779	0	986	4,439	7,402	8,156	10,048
Balance Sheet									INR m
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	1,130	1,229	1,230	1,231	2,464	2,466	2,467	2,467	2,467
Reserves & Surplus (Ex OCI)	64,994	92,052	1,03,072	1,12,408	1,43,666	1,49,376	1,61,020	1,74,613	1,93,273
Net Worth	66,124	93,281	1,04,221	1,13,558	1,46,049	1,51,761	1,63,488	1,77,081	1,95,740
Other Comprehensive Income	0	0	81	81	81	81	81	81	81
Net Worth	66,124	93,281	1,04,302	1,13,639	1,46,130	1,51,842	1,63,568	1,77,161	1,95,821
Change (%)	8.6	41.1	11.8	9.0	28.6	3.9	7.7	8.3	10.5
Borrowings	3,52,656	4,00,932	5,28,469	5,94,623	5,85,767	5,58,139	7,49,459	9,21,038	10,77,603
Change (%)	19.7	13.7	31.8	12.5	-1.5	-4.7	34.3	22.9	17.0
Other liabilities	24,404	33,715	38,009	32,451	38,469	42,906	49,219	54,634	60,643
Total Liabilities	4,43,185	5,27,927	6,70,780	7,40,712	7,70,365	7,52,887	9,62,166	11,52,752	13,33,986
Investments	19,843	27,341	37,917	59,110	1,16,073	84,403	99,886	1,13,870	1,27,535
Change (%)	29.3	37.8	38.7	55.9	96.4	-27.3	18.3	14.0	12.0
Loans and Advances	4,06,000	4,85,470	6,12,496	6,49,935	5,99,474	6,04,446	7,94,547	9,67,090	11,31,483
Change (%)	12.1	19.6	26.2	6.1	-7.8	0.8	31.5	21.7	17.0
Other assets	17,342	15,116	20,367	31,668	54,818	64,038	67,732	71,792	74,969
Total Assets	4,43,185	5,27,927	6,70,780	7,40,712	7,70,365	7,52,887	9,62,165	11,52,752	13,33,986
- NAOSCI E .: .									

E: MOFSL Estimates

# **Financials and valuations**

Spreads Analysis (%)   Vield on Portfolio   15.7   14.8   15.7   15.8   16.4   15.7   15.3   15.2   15.2   15.2   15.3   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.2   15.3   15.3   15.2	Ratios									(%)
Vield on Portfolio   15.7   14.8   15.7   15.8   16.4   15.7   15.3   15.2   1	Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Cost of Borrowings   8.8   8.2   8.5   8.6   8.0   6.9   7.0   8.0   1.0   Interest Spread   6.8   6.6   7.2   7.2   8.4   8.9   8.3   7.2   Net Interest Margin   7.7   7.3   8.1   7.8   8.3   8.6   8.3   7.2   Proffitability Ratios (%)   Cost/Income   42.9   39.8   38.0   37.3   28.2   35.8   42.1   Empl. Cost/Op. Exps.   46.9   58.1   59.0   56.9   62.2   56.5   58.1   57.6   58.0   Roc   6.3   12.7   15.8   8.3   2.6   66   12.6   12.8   12.8   RoA   1.0   2.1   2.6   1.3   0.4   1.3   2.3   2.1      Asset Quality (%)   GNPA   35,341   50,270   40,706   57,467   57,857   49,760   37,168   40,469   46,68   RNPA   7.968   33,109   32,907   39,665   24,339   20,860   15,071   16,188   18,70   RNPA   7.968   33,109   32,907   31.0   57.9   58.1   59.5   60.0   60   RNPA   8.0   9.8   6.4   8.4   9.0   7.7   4.5   4.0   RNPA   7.75   34.1   19.2   31.0   57.9   58.1   59.5   60.0   60   Rotalization (%)   Capitalisation (%)   Capitalisation (%)   Capitalisation (%)   Capitalisation (%)   18.1   22.7   20.3   19.6   26.0   27.8   22.5   18.9   1.7   Tier   13.6   17.0   15.5   15.4   22.2   24.3   19.9   17.1   1.1   Tier   14.5   5.7   4.8   4.2   3.8   3.5   2.7   1.9   Average Leverage on Assets (x)   6.6   6.1   6.1   6.5   5.8   5.1   5.4   6.2    Valuation   FY17   FY18   FY19   FY20   FY21   FY22   FY23   FY24	Spreads Analysis (%)									
Interest Spread   6.8   6.6   7.2   7.2   8.4   8.9   8.3   7.2   7.5   7.3   8.1   7.8   8.3   8.6   8.3   7.7   7.5   7.3   8.1   7.8   8.3   8.6   8.3   7.7   7.5   7.5   7.5   8.1   7.8   8.3   8.6   8.3   7.7   7.5	Yield on Portfolio	15.7	14.8	15.7	15.8	16.4	15.7	15.3	15.2	15.6
Net Interest Margin   7.7   7.3   8.1   7.8   8.3   8.6   8.3   7.7   7.7   7.8	Cost of Borrowings	8.8	8.2	8.5	8.6	8.0	6.9	7.0	8.0	8.0
Profitability Ratios (%) Cost/Income  42.9 39.8 38.0 37.3 28.2 35.8 42.1 41.9 3 Empl. Cost/Op. Exps. 46.9 58.1 59.0 56.9 62.2 56.5 58.1 57.6 5 Rot 6.3 12.7 15.8 8.3 2.6 6.6 12.6 12.8 1 RoA 1.0 2.1 2.6 1.3 0.4 1.3 2.3 2.1   Asset Quality (%) GNPA 35.341 50,270 40,706 57,467 57,857 49,760 37,168 40,469 46,6 NNPA 7,968 33,109 32,907 39,665 24,339 20,860 15,071 16,188 18,2 GNPA 8.0 9.8 6.4 8.4 9.0 7.7 4.5 4.0 NNPA 8.0 9.8 6.4 8.4 9.0 7.7 4.5 4.0 NNPA 77.5 34.1 19.2 31.0 57.9 58.1 59.5 60.0 6 Total Provisions/Ioans % 8.9 6.7 3.4 4.9 7.4 7.5 4.7 3.9  Capitalisation (%)  CAR 18.1 22.7 20.3 19.6 26.0 27.8 22.5 18.9 1 Tier I 13.6 17.0 15.5 15.4 22.2 24.3 19.9 17.1 1 Tier I 13.6 17.0 15.5 15.4 22.2 24.3 19.9 17.1 1 Tier I 13.6 17.0 15.5 15.4 22.2 24.3 19.9 17.1 1 Average Leverage on Assets (x) 6.6 6.1 6.1 6.5 5.8 5.1 5.4 6.2  Valuation FY17 FY18 FY19 FY20 FY21 FY22 FY23 FY24E FY2 Book Value (INR) 117 152 169 185 119 123 133 144 1 BV Growth (%) 8.5 29.7 11.7 8.9 35.8 3.8 7.7 8.3 1 Price-ABV (x) 2.8 2.6 2.4 2.2 OPS (INR) 34.1 35.3 49.1 55.2 33.7 30.2 30.4 35.2 2 OPS (INR) 34.1 35.3 49.1 55.2 33.7 30.2 30.4 35.2 2 Price-OP (x) 8.7 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth (%) 7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2 EPS Growth	Interest Spread	6.8	6.6	7.2	7.2	8.4	8.9	8.3	7.2	7.6
Cost/Income         42.9         39.8         38.0         37.3         28.2         35.8         42.1         41.9         3           Empl. Cost/Op. Exps.         46.9         58.1         59.0         56.9         62.2         56.5         58.1         57.6         57.6         12.6         12.8         1         1         12.6         1.3         0.4         1.3         2.3         2.1         1 <td>Net Interest Margin</td> <td>7.7</td> <td>7.3</td> <td>8.1</td> <td>7.8</td> <td>8.3</td> <td>8.6</td> <td>8.3</td> <td>7.7</td> <td>7.8</td>	Net Interest Margin	7.7	7.3	8.1	7.8	8.3	8.6	8.3	7.7	7.8
Empl. Cost/Op. Exps.	Profitability Ratios (%)									
RoE         6.3         12.7         15.8         8.3         2.6         6.6         12.6         12.8         1           RoA         1.0         2.1         2.6         1.3         0.4         1.3         2.3         2.1           Asset Quality (%)           GNPA         35,341         50,270         40,706         57,467         57,857         49,760         37,168         40,469         46,6           MNPA         7,968         33,109         32,907         39,665         24,339         20,860         15,071         16,188         18,2           GNPA %         8.0         9.8         6.4         8.4         9.0         7.7         4.5         40,0         17,0         15,0         116,188         18,2           GNPA %         8.0         9.8         6.4         8.4         9.0         7.7         4.5         40,0         17,7         4.5         40,0         17,7         4.5         40,0         17,7         4.5         40,0         17,7         4.5         40,0         17,7         4.5         40,0         17,7         4.5         40,0         17,7         4.5         40,0         17,7         4.7         3.9	Cost/Income	42.9	39.8	38.0	37.3	28.2	35.8	42.1	41.9	37.6
RoA	Empl. Cost/Op. Exps.	46.9	58.1	59.0	56.9	62.2	56.5	58.1	57.6	59.2
Asset Quality (%) GNPA  35,341  50,270  40,706  57,467  57,857  49,760  37,168  40,469  46,6  NNPA  7,968  33,109  32,907  39,665  24,339  20,860  15,071  16,188  18,2  GNPA  8.0  9.8  6.4  8.4  9.0  7.7  4.5  4.0  NNPA  77.5  34.1  19.2  31.0  57.9  58.1  59.5  60.0  6  Total Provisions/loans %  8.9  6.7  3.4  4.9  7.4  7.5  4.7  3.9  Capitalisation (%)  CAR  18.1  22.7  20.3  19.6  26.0  27.8  22.5  18.9  17.1  Tier II  13.6  17.0  15.5  15.4  22.2  24.3  19.9  17.1  Tier II  4.5  5.7  4.8  4.2  2.8  3.8  3.5  2.7  1.9  Average Leverage on Assets (x)  6.6  6.1  6.1  6.1  6.5  5.8  5.1  5.4  6.2   Valuation  FY17  FY18  FY19  FY20  FY21  FY22  FY23  FY24  FY24  Book Value (INR)  117  152  169  185  119  123  133  144  14  18  BV Growth (%)  8.5  29.7  11.7  8.9  -35.8  3.8  7.7  8.3  1  Price-BV (x)  0PS Growth (%)  7.7  3.4  39.0  12.5  -38.9  -10.5  0.7  15.8  3  Price-BV (x)  0PS Growth (%)  7.1  16.5  25.3  14.7  27.  80  16.6  18.1  19.8  107.3  36.4  18.2  16.6  16.6  16.7  16.7  16.7  16.8  17.0  18.5  19.8  10.7	RoE	6.3	12.7	15.8	8.3	2.6	6.6	12.6	12.8	15.4
GNPA         35,341         50,270         40,706         57,467         57,857         49,760         37,168         40,469         46,68           NNPA         7,968         33,109         32,907         39,665         24,339         20,860         15,071         16,188         18,2           GNPA %         8.0         9.8         6.4         8.4         9.0         7.7         4.5         4.0           NNPA %         2.0         6.6         5.3         6.0         4.1         3.5         1.9         1.7           PCR %         77.5         34.1         19.2         31.0         57.9         58.1         59.5         60.0         6           Total Provisions/loans %         8.9         6.7         3.4         4.9         7.4         7.5         4.7         3.9           Capitalisation (%)           CAR         18.1         22.7         20.3         19.6         26.0         27.8         22.5         18.9         1           Tier I         13.6         17.0         15.5         15.4         22.2         24.3         19.9         17.1         1         1         1         1         1         1         1	RoA	1.0	2.1	2.6	1.3	0.4	1.3	2.3	2.1	2.3
GNPA         35,341         50,270         40,706         57,467         57,857         49,760         37,168         40,469         46,68           NNPA         7,968         33,109         32,907         39,665         24,339         20,860         15,071         16,188         18,2           GNPA %         8.0         9.8         6.4         8.4         9.0         7.7         4.5         4.0           NNPA %         2.0         6.6         5.3         6.0         4.1         3.5         1.9         1.7           PCR %         77.5         34.1         19.2         31.0         57.9         58.1         59.5         60.0         6           Total Provisions/loans %         8.9         6.7         3.4         4.9         7.4         7.5         4.7         3.9           Capitalisation (%)           CAR         18.1         22.7         20.3         19.6         26.0         27.8         22.5         18.9         1           Tier I         13.6         17.0         15.5         15.4         22.2         24.3         19.9         17.1         1         1           Tier I         13.6 </td <td></td>										
NNPA   7,968   33,109   32,907   39,665   24,339   20,860   15,071   16,188   18,26   18,06   18,07   18,08   18,06   18,07   18,08   18,06   18,07   18,08	- 1	25 244	EO 370	40 700	F7 4C7	E7 0E7	40.700	27.460	40.400	46.676
GNPA %       8.0       9.8       6.4       8.4       9.0       7.7       4.5       4.0       4.0         NNPA %       2.0       6.6       5.3       6.0       4.1       3.5       1.9       1.7         PCR %       77.5       34.1       19.2       31.0       57.9       58.1       59.5       60.0       6         Total Provisions/loans %       8.9       6.7       3.4       4.9       7.4       7.5       4.7       3.9         Capitalisation (%)         CAR       18.1       22.7       20.3       19.6       26.0       27.8       22.5       18.9       1         Tier I       13.6       17.0       15.5       15.4       22.2       24.3       19.9       17.1       1         Tier II       4.5       5.7       4.8       4.2       3.8       3.5       2.7       1.9         Average Leverage on Assets (x)       6.6       6.1       6.1       6.5       5.8       5.1       5.4       6.2         Valuation       FY17       FY18       FY19       FY20       FY21       FY22       FY23       FY24E       FY2         Book Value (INR)       117 <t< td=""><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td>•</td><td>46,676</td></t<>				•					•	46,676
NNPA %   2.0   6.6   5.3   6.0   4.1   3.5   1.9   1.7     PCR %   77.5   34.1   19.2   31.0   57.9   58.1   59.5   60.0   6.0     Total Provisions/loans %   8.9   6.7   3.4   4.9   7.4   7.5   4.7   3.9     Capitalisation (%)						•			•	
PCR %         77.5         34.1         19.2         31.0         57.9         58.1         59.5         60.0         6           Total Provisions/loans %         8.9         6.7         3.4         4.9         7.4         7.5         4.7         3.9           Capitalisation (%)           CAR         18.1         22.7         20.3         19.6         26.0         27.8         22.5         18.9         1           Tier I         13.6         17.0         15.5         15.4         22.2         24.3         19.9         17.1         1           Tier II         4.5         5.7         4.8         4.2         3.8         3.5         2.7         1.9           Average Leverage on Assets (x)         6.6         6.1         6.1         6.5         5.8         5.1         5.4         6.2           Valuation         FY17         FY18         FY19         FY20         FY21         FY22         FY23         FY24E         FY2           Book Value (INR)         117         152         169         185         119         123         133         144         13           BV Growth (%)         8.5         29.7         11.7										4.0
Capitalisation (%)         8.9         6.7         3.4         4.9         7.4         7.5         4.7         3.9           CAR         18.1         22.7         20.3         19.6         26.0         27.8         22.5         18.9         1           Tier I         13.6         17.0         15.5         15.4         22.2         24.3         19.9         17.1         1           Tier II         4.5         5.7         4.8         4.2         3.8         3.5         2.7         1.9           Average Leverage on Assets (x)         6.6         6.1         6.1         6.5         5.8         5.1         5.4         6.2           Valuation         FY17         FY18         FY19         FY20         FY21         FY22         FY23         FY24E         FY2           Book Value (INR)         117         152         169         185         119         123         133         144         1           BV Growth (%)         8.5         29.7         11.7         8.9         -35.8         3.8         7.7         8.3         1           Price-BV (x)         2.5         2.4         2.2         2.0         2.5         2.4 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.6</td></td<>										1.6
Capitalisation (%)  CAR  18.1 22.7 20.3 19.6 26.0 27.8 22.5 18.9 1 Tier I  13.6 17.0 15.5 15.4 22.2 24.3 19.9 17.1 1  Tier II  4.5 5.7 4.8 4.2 3.8 3.5 2.7 1.9  Average Leverage on Assets (x)  6.6 6.1 6.1 6.5 5.8 5.1 5.4 6.2   Valuation  FY17 FY18 FY19 FY20 FY21 FY22 FY23 FY24E FY2  Book Value (INR)  117 152 169 185 119 123 133 144 1  BV Growth (%)  8.5 29.7 11.7 8.9 -35.8 3.8 7.7 8.3 1  Price-BV (x)  Adjusted BV (INR)  107 114 132 136 104 110 123 134 1  Adjusted BV (INR)  107 114 132 136 104 110 123 134 1  Price-ABV (x)  0PS (INR)  34.1 35.3 49.1 55.2 33.7 30.2 30.4 35.2 4  OPS Growth (%)  -7.7 3.4 39.0 12.5 -38.9 -10.5 0.7 15.8 3  Price-OP (x)  EPS (INR)  7.1 16.5 25.3 14.7 2.7 8.0 16.1 17.6 2  EPS Growth (%)  -40.5 132.3 53.9 -41.8 -81.5 194.8 100.6 9.6 3  Price-Earnings (x)										61.0
CAR       18.1       22.7       20.3       19.6       26.0       27.8       22.5       18.9       1         Tier I       13.6       17.0       15.5       15.4       22.2       24.3       19.9       17.1       1         Tier II       4.5       5.7       4.8       4.2       3.8       3.5       2.7       1.9         Average Leverage on Assets (x)       6.6       6.1       6.1       6.5       5.8       5.1       5.4       6.2         Valuation       FY17       FY18       FY19       FY20       FY21       FY22       FY23       FY24E       FY2         Book Value (INR)       117       152       169       185       119       123       133       144       14         BV Growth (%)       8.5       29.7       11.7       8.9       -35.8       3.8       7.7       8.3       1         Price-BV (x)       2.5       2.4       2.2       2.0       2.5       2.4       2.2       2.0         Adjusted BV (INR)       107       114       132       136       104       110       123       134       13         Price-ABV (x)       2.8       2.6       2.4 <t< td=""><td>Total Provisions/loans %</td><td>8.9</td><td>0.7</td><td>3.4</td><td>4.9</td><td>7.4</td><td>7.5</td><td>4.7</td><td>3.9</td><td>3.9</td></t<>	Total Provisions/loans %	8.9	0.7	3.4	4.9	7.4	7.5	4.7	3.9	3.9
Tier I 13.6 17.0 15.5 15.4 22.2 24.3 19.9 17.1 1 1 Tier II 4.5 5.7 4.8 4.2 3.8 3.5 2.7 1.9 Average Leverage on Assets (x) 6.6 6.1 6.1 6.5 5.8 5.1 5.4 6.2	Capitalisation (%)									
Tier II	CAR	18.1	22.7	20.3	19.6	26.0	27.8	22.5	18.9	17.7
Average Leverage on Assets (x)         6.6         6.1         6.1         6.5         5.8         5.1         5.4         6.2           Valuation         FY17         FY18         FY19         FY20         FY21         FY22         FY23         FY24E         FY2           Book Value (INR)         117         152         169         185         119         123         133         144         13           BV Growth (%)         8.5         29.7         11.7         8.9         -35.8         3.8         7.7         8.3         1           Price-BV (x)         2.5         2.4         2.2         2.0	Tier I	13.6	17.0	15.5	15.4	22.2	24.3	19.9	17.1	16.2
Valuation         FY17         FY18         FY19         FY20         FY21         FY22         FY23         FY24E         FY2           Book Value (INR)         117         152         169         185         119         123         133         144         1           BV Growth (%)         8.5         29.7         11.7         8.9         -35.8         3.8         7.7         8.3         1           Price-BV (x)         2.5         2.4         2.2         2.0         2.0         2.2         2.0	Tier II	4.5	5.7	4.8	4.2	3.8	3.5	2.7	1.9	1.4
Book Value (INR) 117 152 169 185 119 123 133 144 17 BV Growth (%) 8.5 29.7 11.7 8.9 -35.8 3.8 7.7 8.3 1 Price-BV (x) 2.5 2.4 2.2 2.0  Adjusted BV (INR) 107 114 132 136 104 110 123 134 11 124 136 104 110 123 134 11 136 104 110 123 134 11 136 104 110 123 134 11 136 104 110 123 134 11 136 104 110 123 134 11 136 105 105 105 105 105 105 105 105 105 105	Average Leverage on Assets (x)	6.6	6.1	6.1	6.5	5.8	5.1	5.4	6.2	6.7
BV Growth (%)  Refice-BV (x)  Adjusted BV (INR)  107  114  132  136  104  110  123  134  139  139  130  130  130  130  130  130	Valuation	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Price-BV (x)         2.5         2.4         2.2         2.0           Adjusted BV (INR)         107         114         132         136         104         110         123         134         1           Price-ABV (x)         2.8         2.6         2.4         2.2         2.0           OPS (INR)         34.1         35.3         49.1         55.2         33.7         30.2         30.4         35.2         4           OPS Growth (%)         -7.7         3.4         39.0         12.5         -38.9         -10.5         0.7         15.8         3           Price-OP (x)         8.7         9.7         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.0         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6         8.3         9.6	Book Value (INR)	117	152	169	185	119	123	133	144	159
Adjusted BV (INR) 107 114 132 136 104 110 123 134 139 134 139 134 139 134 139 134 139 134 139 134 139 134 139 134 139 134 139 139 139 139 139 139 139 139 139 139	BV Growth (%)	8.5	29.7	11.7	8.9	-35.8	3.8	7.7	8.3	10.5
Price-ABV (x)         2.8         2.6         2.4         2.2           OPS (INR)         34.1         35.3         49.1         55.2         33.7         30.2         30.4         35.2         4           OPS Growth (%)         -7.7         3.4         39.0         12.5         -38.9         -10.5         0.7         15.8         3           Price-OP (x)         8.7         9.7         9.6         8.3         9.6         9.6         8.3         9.6         3.0         9.6         9.6         9.6         3.0         9.6         9.6         9.6         3.0         9.6         9.6         9.6         3.0         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6         9.6 <td>Price-BV (x)</td> <td></td> <td></td> <td></td> <td></td> <td>2.5</td> <td>2.4</td> <td>2.2</td> <td>2.0</td> <td>1.8</td>	Price-BV (x)					2.5	2.4	2.2	2.0	1.8
OPS (INR)       34.1       35.3       49.1       55.2       33.7       30.2       30.4       35.2       4         OPS Growth (%)       -7.7       3.4       39.0       12.5       -38.9       -10.5       0.7       15.8       3         Price-OP (x)       8.7       9.7       9.6       8.3         EPS (INR)       7.1       16.5       25.3       14.7       2.7       8.0       16.1       17.6       2         EPS Growth (%)       -40.5       132.3       53.9       -41.8       -81.5       194.8       100.6       9.6       3         Price-Earnings (x)       19.8       107.3       36.4       18.2       16.6       1	Adjusted BV (INR)	107	114	132	136	104	110	123	134	148
OPS Growth (%)       -7.7       3.4       39.0       12.5       -38.9       -10.5       0.7       15.8       3         Price-OP (x)       8.7       9.7       9.6       8.3       9.7       9.6       8.3       9.7       9.6       10.7       10.5       25.3       14.7       2.7       8.0       16.1       17.6       2       2       2       2       2       2       2       2       2       4       10.6       9.6       3         Price-Earnings (x)       19.8       107.3       36.4       18.2       16.6       1	Price-ABV (x)					2.8	2.6	2.4	2.2	2.0
Price-OP (x)         8.7         9.7         9.6         8.3           EPS (INR)         7.1         16.5         25.3         14.7         2.7         8.0         16.1         17.6         2           EPS Growth (%)         -40.5         132.3         53.9         -41.8         -81.5         194.8         100.6         9.6         3           Price-Earnings (x)         19.8         107.3         36.4         18.2         16.6         1	OPS (INR)	34.1	35.3	49.1	55.2	33.7	30.2	30.4	35.2	46.0
Price-OP (x)         8.7         9.7         9.6         8.3           EPS (INR)         7.1         16.5         25.3         14.7         2.7         8.0         16.1         17.6         2           EPS Growth (%)         -40.5         132.3         53.9         -41.8         -81.5         194.8         100.6         9.6         3           Price-Earnings (x)         19.8         107.3         36.4         18.2         16.6         1		-7.7	3.4	39.0	12.5		-10.5		15.8	30.7
EPS (INR)       7.1       16.5       25.3       14.7       2.7       8.0       16.1       17.6       2         EPS Growth (%)       -40.5       132.3       53.9       -41.8       -81.5       194.8       100.6       9.6       3         Price-Earnings (x)       19.8       107.3       36.4       18.2       16.6       1	Price-OP (x)					8.7	9.7	9.6	8.3	6.3
EPS Growth (%)       -40.5       132.3       53.9       -41.8       -81.5       194.8       100.6       9.6       3         Price-Earnings (x)       19.8       107.3       36.4       18.2       16.6       1	EPS (INR)	7.1	16.5	25.3	14.7	2.7	8.0	16.1	17.6	23.3
Price-Earnings (x) 19.8 107.3 36.4 18.2 16.6 1		-40.5	132.3	53.9	-41.8	-81.5		100.6	9.6	32.0
	• •						36.4			12.5
2	Dividend	2.4	4.0	6.5	0.0	0.8	3.6	6.0	6.6	8.1
	Dividend Yield (%)					0.3	1.2	2.1		2.8

E: MOFSL Estimates

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

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.

#### 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 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%20off%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 website at <a href="https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx">https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx</a>

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

#### Regional Disclosures (outside India)

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

#### For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. 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. 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

- 1 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.
  2 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 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
- 4 MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSI has not received compensation for investment banking/ merchant banking/forokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company 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:

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.