

# State Bank of India

Estimate change	$\longrightarrow$
TP change	<b>←→</b>
Rating change	$\leftarrow$

Bloomberg	SBIN IN
Equity Shares (m)	8925
M.Cap.(INRb)/(USDb)	5159.8 / 62
52-Week Range (INR)	630 / 499
1, 6, 12 Rel. Per (%)	-3/-5/-8
12M Avg Val (INR M)	9485

#### Financials & Valuations (INR b)

Y/E March	FY23	FY24E	FY25E
NII	1,448	1,597	1,821
OP	837	919	1,067
NP	502	622	692
NIM (%)	3.2	3.1	3.2
EPS (INR)	56.3	69.6	77.6
EPS Gr. (%)	58.6	23.7	11.4
ABV (INR)	311	370	435
Cons. BV (INR)	385	460	545
Ratios			
RoE (%)	18.1	19.1	18.3
RoA (%)	1.0	1.1	1.1
Valuations			
P/BV (x) (Cons.)	1.5	1.3	1.1
P/ABV (x)	1.2	1.0	0.9
P/E (x)	6.7	5.4	4.8

<sup>\*</sup>Adjusted for subsidiaries

#### Shareholding pattern (%)

FII Includes depository receipts

As On	Sep-23	Jun-23	Sep-22
Promoter	56.9	56.9	56.9
DII	24.2	24.6	25.2
FII	11.6	11.2	10.9
Others	7.3	7.2	7.0

CMP: INR578 TP: INR700 (+21%) Buy

# Another strong quarter; well positioned to sustain the growth momentum

### Asset quality ratios at multi decadal best; SMA book declines to 12bp

- SBIN reported a steady quarter as net profit at INR143.3b beat our estimate, aided by lower provisions even as bank made higher provisioning towards wage revisions.
- NII grew 12.3% YoY/1.5% QoQ (3% beat), while domestic NIMs declined 4bp QoQ to 3.43%. Total revenues grew 14% YoY.
- Slippages declined to INR41b after a seasonal bump in 1Q, along with healthy recoveries/write-offs. As a result, GNPA/NNPA ratios declined to 2.55%/0.64%. RSA pool declined to INR209b (60bp of advances).
- We broadly maintain our estimates as higher wage provisioning gets offset by controlled credit costs. We estimate FY25E RoA/RoE of 1.1%/18.3%. Reiterate BUY rating with an unchanged TP of INR700 (based on 1.1x FY25E ABV + INR202 from subs).

#### Revenue growth steady; Asset quality improves further

- SBIN reported 8% YoY growth in net profit to INR143.3b (up 8% YoY/ down 15% QoQ) as lower provisions partly offset higher opex. NII grew 12.3% YoY (3% beat) even as margins declined 4bp QoQ to 3.43%. SBIN has guided for a further 3-5bp compression in margins over 2HFY24.
- Other income grew 22% YoY, supported by healthy treasury gains of INR20.2b. Core other income, however, rose only 4% YoY.
- SBIN increased the wage provisioning run rate for a potential hike of 14% (from 10%), effective Nov'22. This resulted in an incremental wage provisioning cost of ~INR34b in 2Q. Consequently, PPoP declined 8% YoY to INR194b, while Core PPoP declined 16% YoY.
- Advances grew ~12% YoY/3.3% QoQ, led by 16% YoY growth in retail and 23% YoY growth in the SME segment. Agri book grew 15% YoY, while corporate growth was slower at 6.6% YoY. Among retail, Xpress credit/VF grew 18%/20% YoY. Home loans, which form 54% of the retail book and 20% of the overall book, grew 13% YoY/3% QoQ. Deposits increased by 12% YoY/3.5% QoQ, while the CASA mix declined 100bp QoQ to 41.9%.
- Slippages declined to INR41b after higher slippages in 1Q due to seasonality. A decline in slippages and higher recoveries/write-offs led to a 21bp QoQ drop in GNPA ratio to 2.55% and a 7bp QoQ reduction in NNPA ratio to 0.64%. Restructured book declined to INR209b (0.6% of advances), while SMA 1/2 portfolio decreased to INR39.6b (12bp of loans).
- Subsidiaries reported mixed performance: SBICARD clocked a PAT of INR6.03b (up 15% YoY). SBILIFE's PAT grew 1% YoY to INR3.8b. PAT of the AMC business increased by 25% YoY to INR4.7b, while SBI General reported a loss of INR110m vs. a loss of INR230m in 2QFY23.

Motilal Oswal

### Highlights from the management commentary

- Domestic margins may contract further by 3-5bp due to a rise in deposit costs. In the loan book, the MCLR impact has already been captured in the margin compression.
- Wage provisioning has been increased to 14% from 10% earlier. SBIN provided INR34b in 2Q to cover the provisioning shortfall effective Nov'22.
- On the proposal flow, the bank has a proposal pipeline of INR3.4t and INR1.4tn pending for disbursements, totaling INR4.8tn. Accordingly, the bank expects 14% growth.

#### Valuation and view

SBIN delivered a steady quarter, with a beat on profitability aided by lower provisions and steady revenue growth. Opex was high due to high wage provisions, effective Nov'22, hurting PPoP growth. Margins declined 4bp QoQ and the management expects a further 3-5bp compression, though the bank has levers in place (CD ratio, MCLR repricing) to maintain stable margins. Business growth was healthy, with most business segments showing traction (barring corporate portfolio). Asset quality remained robust as net NPA ratio improved further and the restructured book remained in control at 0.6%, along with lower SMA pool at 12bp of loans. We estimate SBIN to deliver FY25E RoA/RoE of 1.1%/18.3%. We reiterate our BUY rating with an unchanged TP of INR700 (1.1x FY25E ABV + INR202 from subs).

<b>Quarterly performance</b>											(	INR b)
Y/E March		FY23				FY2	4E		FY23	FY24E	FY24E	V/s
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE	Est
NII	312.0	351.8	380.7	403.9	389.0	395.0	402.0	411.2	1,448.4	1,597.2	384.3	3%
% Change (YoY)	12.9	12.8	24.1	29.5	24.7	12.3	5.6	1.8	20.0	10.3	9.2	
Other Income	23.1	88.7	114.7	139.6	120.6	107.9	102.8	144.6	366.2	476.0	97.8	10%
Total Income	335.1	440.6	495.4	543.5	509.7	502.9	504.8	555.8	1,814.6	2,073.3	482.1	4%
Operating Expenses	207.6	229.4	243.2	297.3	256.7	308.7	280.5	308.5	977.4	1,154.5	266.5	16%
Operating Profit	127.5	211.2	252.2	246.2	253.0	194.2	224.3	247.3	837.1	918.8	215.6	-10%
% Change (YoY)	-32.8	16.8	36.2	24.9	98.4	-8.1	-11.1	0.5	11.2	9.8	2.1	
Provisions	43.9	30.4	57.6	33.2	25.0	1.2	29.5	31.1	165.1	86.8	35.4	-97%
Exception items (exp)	0.0	0.0	0.0	0.0	0.0	0.0						
Profit before Tax	83.6	180.8	194.6	213.1	228.0	193.0	194.8	216.2	672.1	832.0	180.3	7%
Tax Provisions	22.9	48.2	52.5	46.1	59.1	49.7	50.3	51.4	169.7	210.5	46.9	6%
Net Profit	60.7	132.6	142.1	166.9	168.8	143.3	144.5	164.8	502.3	621.5	133.4	7%
% Change (YoY)	-6.7	73.9	68.5	83.2	178.2	8.0	1.8	-1.3	58.6	23.7	0.6	
Operating Parameters												
Deposits (INR t)	40.5	41.9	42.1	44.2	45.3	46.9	47.7	48.7	44.2	48.7	45.8	2.4%
Loans (INR t)	28.2	29.5	30.6	32.0	32.4	33.5	35.4	36.3	32.0	36.3	33.4	0.0%
Deposit Growth (%)	8.7	10.0	9.5	9.2	12.0	11.9	13.2	10.0	9.2	10.0	9.3	
Loan Growth (%)	15.8	20.8	18.6	17.0	14.9	13.3	15.6	13.5	17.0	13.5	13.3	
Asset Quality												
Gross NPA (%)	3.9	3.5	3.1	2.8	2.8	2.6	2.3	2.2	2.8	2.2	2.6	
Net NPA (%)	1.0	8.0	0.8	0.7	0.7	0.6	0.6	0.5	0.7	0.5	0.7	
PCR (%)	75.1	77.9	76.1	76.4	74.8	75.4	76.3	77.0	76.2	77.0	74.7	

E: MOFSL estimates

 $Motilal\ Oswal$  State Bank of India

**Quarterly snapshot** 

Quarterly snapshot												
INR b		FY	22			FY23			F	Y24	Chang	e (%)
Profit and Loss	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	YoY	QoQ
Interest Income	655.6	694.8	696.8	707.3	726.8	798.6	866.2	929.5	959.8	1,013.8	27	6
Loans	411.4	423.2	437.5	446.1	464.7	523.8	588.7	636.8	671.3	702.6	34	5
Investment	203.7	210.7	215.9	218.4	224.4	236.7	245.3	252.9	250.1	270.0	14	8
Interest Expenses	379.3	383.0	389.9	395.4	414.8	446.8	485.5	525.6	570.7	618.8	39	8
Net Interest Income	276.4	311.8	306.9	312.0	312.0	351.8	380.7	403.9	389.0	395.0	12	2
Other Income	118.0	82.1	86.7	118.8	23.1	88.7	114.7	139.6	120.6	107.9	22	-11
Trading profits	21.0	4.3	5.1	1.8	-65.5	4.6	29.4	18.0	38.5	20.2	342	-47
Fee Income	54.0	53.9	57.5	80.2	63.7	59.4	59.3	80.0	66.3	65.4	10	-1
Forex Income	9.5	5.3	4.8	15.2	20.1	4.1	13.9	-0.3	2.9	3.0	-27	4
Others	33.5	18.6	19.3	21.6	4.8	20.7	12.1	41.9	13.1	19.4	-6	48
Total Income	394.4	393.9	393.6	430.8	335.1	440.6	495.4	543.5	509.7	502.9	14	-1
Operating Expenses	204.7	213.1	208.4	233.6	207.6	229.4	243.2	297.3	256.7	308.7	35	20
Employee	125.4	125.8	124.7	125.6	120.5	128.7	147.6	176.2	166.0	189.3	47	14
Others	79.3	87.3	83.7	108.1	87.0	100.7	95.6	121.2	90.7	119.5	19	32
Operating Profits	189.7	180.8	185.2	197.2	127.5	211.2	252.2	246.2	253.0	194.2	-8	-23
Core Operating Profits	149.4	176.5	180.1	195.4	193.0	206.6	222.8	228.2	214.5	174.0	-16	-19
Provisions	100.5	1.9	69.7	72.4	43.9	30.4	57.6	33.2	25.0	1.2	-96	-95
PBT	89.2	104.7	115.5	124.8	83.6	180.8	194.6	213.1		193.0	7	-15
Taxes	24.2	28.5	31.2	33.7	22.9	48.2	52.5	46.1	59.1	49.7	3	-16
PAT	65.0	76.3	84.3	91.1	60.7	132.6	142.1	-		143.3	8	-15
Balance Sheet (INR t)	00.0	7 0.0	<u> </u>	<u> </u>	0017							
Deposits	37.2	38.1	38.5	40.5	40.5	41.9	42.1	44.2	45.3	46.9	12	3
Loans	24.3	24.4	25.8	27.3	28.2	29.5	30.6	32.0	32.4	33.5	13	3
Asset Quality (INR b)	24.5	24.4	23.0	27.5	20.2	23.3	30.0	32.0	32.4	33.3		
GNPA	1,342.6	1,239.4	1,200.3	1,120.2	1,132.7	1,068.0	983.5	909.3	913.3	869.7	-19	-5
NNPA	431.5	371.2	345.4	279.7	282.6	235.7	234.8			213.5	-19 -9	-5 -7
Slippages	163.0	42.9	25.8	36.1	101.2	24.4	32.1	34.6	78.7	40.8	- <del>9</del> 67	-7 -48
Ratios	103.0		22.0	30.1	101.2	FY23		34.0		/24E	Change	
Asset Quality Ratios (%)	10	2Q	3Q	4Q	1Q		3Q	4Q		2Q	YoY	QoQ
GNPA	<b>1Q</b> 5.3		4.5	4.0	3.9	2Q	3.1	2.8	<b>1Q</b> 2.8			
NNPA	1.8	4.9 1.5	4.5 1.3	4.0 1.0	1.0	3.5 0.8	0.8	2.8 0.7	0.7	2.6 0.6	(97) (16)	(21) (7)
PCR (Cal.)	67.9	70.1	71.2	75.0	75.1	77.9	76.1	76.4	74.8	75.4	(248)	63
PCR (Rep.)	85.9	87.7	88.3	90.2	90.1	91.5	91.5	91.9	91.4	91.9	39	52
Business Ratios (%)	65.5	07.7	88.5	30.2	90.1	91.5	91.5	91.9	31.4	91.9	33	32
Fees to Total Income	13.7	13.7	14.6	10.6	19.0	12 5	12.0	1/17	12.0	13.0	(49)	(0)
Cost to Core Income	54.8	54.7	53.6	54.5	51.8	52.6	52.2	56.6	54.5	64.0	1,135	948
Tax Rate	27.1	27.2	27.0	27.0	27.4	26.6	27.0	21.6	25.9	25.8	(88)	(18)
Loan/Deposit	65.4	64.1	67.0	67.5	69.6	70.4	72.6	72.3	71.4	71.3	91	(6)
CAR	13.7	13.4	13.2	13.8	13.4	13.5	13.3	14.7	14.6	14.3	77 66	(28)
Tier I	11.3	11.0	10.9	11.4	11.2	11.1	10.8	12.1	12.0	11.8	66	(19)
Profitability Ratios (%)												
Yield on Advances	7.4	7.5	7.6	7.6	7.4	7.7	7.9	8.1	8.8	8.9	128	16
Yield on Investments	6.2	6.0	6.2	6.2	6.2	6.3	6.4	6.6	6.4	6.7	38	20
Yield On Funds	7.0	7.1	6.8	6.9	7.0	7.3	7.8	8.2	8.3	8.4	103	8
Cost of Deposits	3.9	3.8	3.8	3.8	3.8	3.8	3.9	4.0	4.6	4.8	91	20
Margins	2.9	3.2	3.2	3.1	3.0	3.3	3.5	3.6	3.3	3.3	(3)	(4)
RoA	0.6	0.7	0.7	0.7	0.5	1.0	1.1	1.2	1.2	1.0	(3)	(21)



## Highlights from the management commentary

#### **Balance Sheet and P&L**

- Real GDP growth is expected at 6.5%. Expects industry credit growth at 16-17% YoY in future.
- Credit growth stood at 13% YoY in 2Q. Deposits grew 12% YoY, driven by growth in CA and TD deposits.
- Capital adequacy stood at 14.28%, with CET-1 ratio at 9.94%. RWA to total assets stood at 49.3%.
- C/I ratio was high at 61% due to the allocation of wages in 2Q.
- In unsecured credit, the bank believes that X-press credit is a safe product with 82.6% of customers are Govt. employees. Book stands at INR3.2t and GNPA is lower 0.69%, indicating resilience.
- Subsidiaries continued to perform well, with most subsidiaries being leaders in their respective businesses. The bank will continue to focus on the performance of its subsidiaries.
- In terms of proposals, the bank has a proposal pipeline of INR3.4t and INR1.4t pending for disbursements, totaling INR4.8tn. As a result, the bank expects the growth to be at 14% and expects to surprise the market on the higher side.
- Investments have increased to INR17t on the overall balance sheet. The C/D ratio stands at 64%. SBIN is mindful of underwriting the risk as per risk appetite and remains conscious about the loan book. SBIN is careful about the price, and if risk-reward is not favorable, then the bank will not park the money. The investments are made in G-sec and T-bill.
- There is a reversal on standard asset provisions, as the book has been previously provided and the risk now has gradually receded.
- SBIN has not increased TD rates for a long time now, and the pending repricing is expected to happen in the next quarter. The bank expects to improve its LDR, which, along with some room on MCLR repricing, can provide some room for margins.
- The bank has started to focus on the CA side of the CASA book, with 8% YoY growth (much better than competitors).
- The bank will raise Tier-1 capital and expects 15.32% of CAR and 11%+ of CET-1 form the clawback of profits.
- The RBI is worried about small loans (below INR50k) and RWAs may go up for these loans, but there is no specific timeline for the increase in RWAs.
- The quality of loans under YONO app is good, and the bank is also offering preapproved PL and business loans through the app. It also plans to offer top-ups on home loans via YONO.
- On the overall book mix 38% is linked to MCLR, 27% to EBLR, 31% is Fixed, 14% is T-bill linked.

### Loan growth

- SBIN expects loan growth at 12-14% YoY, with an upside bias.
- The bank has been increasing its SME book in a conscious manner. The bank expects to sustain growth as it has improved the infrastructure. Yield on SME loans are slightly lower than that of X-press credit, but better than that of other products.

- Many corporate loans still have undisbursed sanctions, which will ease gradually. The proposal pipeline of INR3.4tn will be sanctioned and availed. The bank expects lower double-digit growth in the corporate book.
- SME loans grew 57% YoY, with most of them related to working capital as companies are using more working capital. The bank has around 2,000 RMs and 900 branches only for SME loans. It has a mandate of INR4t for the SME book.
- In SME, the size of loans is below INR5m. The restructured part of the SME book has come down to 4.41% from 6% in 3QFY23. The bank is trying to build the book on vendor finance and SME financing. It further expects the restructured book to be at 3-3.5%.
- SBIN does not want to be aggressive in the international book. The bank will look for conservative growth in the international markets.
- Mortgage segment is quite competitive, but the bank expects to sustain decent growth.

#### **Margins**

- NII increased by 12.3% YoY. Domestic NIM stood at 3.43% and declined by 12bp due to an increase in the cost of deposits. SBIN expects NIM to be stable at this level in FY24. Domestic margins may contract 3-5bp in margins due to a rise in the deposit cost.
- In the loan book, SBIN has already given necessary concession. The MCLR impact has already been captured in the margin compression.

#### **Asset quality**

- GNPA/NNPA ratios moderated to 2.55% (lowest in 10 years)/0.64% in 2QFY24. PCR declined by 247bp to 79.45%. PCR for corporate book rose to 99.55%.
- Slippage ratio improved 16bp YoY to 0.7%. Credit costs stood at 0.22% in 2Q.
- In SBI Cards, unsecured loans are mostly in the salaried segment. About 50% of SBI Cards book comes from SBIN and the rest from the market. The collection mechanism is also different for both the entities as yields are different for both the products.

#### Wage revisions

- Wage provisions increased to 14% from 10% earlier, and hence it has provided for back-dated book as of Nov'22 (INR34b in 2Q).
- Per percentage increase in wage-related provisions will lead to an increase of INR1b per month and INR3b per quarter impact. The impact of the overall increase (i.e. 4%) could be INR4b/per month or INR12b/quarter.
- Wage negotiations are still in process and would be around 14%.

### Headline asset quality improves; SMA book declines further

■ Slippages declined QoQ to ~INR41b (0.6% of loans) in 2QFY24, as 1Q was a seasonally weak quarter. Recoveries/upgrades came in at INR40b, while write-offs were low at ~INR44b. Hence, net slippages came in negative at INR44b (vs. positive slippages at INR4b in 1QFY24).

The restructuring book improved 8bp QoQ to 0.60% of loans, while the SMA book declined 45% QoQ to INR~40b (12bp of loans)

- GNPA/NNPA ratios stood at 2.55%/0.64% as of 2QFY24, while the PCR moderated to ~75% (91.9%, including TWO).
- GNPAs in the Agri/Corporate/SME/Retail segments stood at 10.7%/3.1%/4.4%/
   0.7% and the bank targets Agri GNPA to be in single-digit going forward.
- Restructuring 1.0/2.0 declined 7.7%/8.1% QoQ to INR58b/INR150.5b. Thus, total restructuring stood at INR209b (0.6% of loans). The SMA 1/2 portfolio declined 45% QoQ to INR39.6b.

Exhibit 1: SMA 1/2 declined 45% QoQ to INR40b

INR b	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
SMA 1	43.39	25.68	29.89	51.69	65.76	30.59	24.65	56.38	21.8
SMA 2	23.51	15.99	5.55	18.14	19.21	16.88	7.95	15.83	17.84
Total	66.9	41.67	35.44	69.83	84.97	47.47	32.6	72.21	39.64

Source: Company, MOFSL

Retail loans grew 16.5% YoY (up 2% QoQ)

#### Advances up 13.3% YoY/3.4% QoQ; SME growth steady

- The Retail segment grew 3.3% QoQ (up 15.7% YoY), led by robust growth in Vehicle loans (up 20.2% YoY) and Xpress Credit, which continues to grew at a healthy pace of 17.8% to INR3.2t. Home loans grew 13.1% YoY.
- The Corporate book was flat QoQ, while the SME/Agri book grew ~3%/~2% QoQ.

Exhibit 2: Loan book remains well-diversified –SME book up 5% QoQ; Retail/Agri book up 3.3/3.7% QoQ

INR b	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24	YoY	QoQ
Retail	9,045	9,522	10,023	10,341	10,749	11,245	11,792	12,043	12,434	15.7%	3.3%
Agri	2,150	2,215	2,282	2,299	2,386	2,470	2,586	2,641	2,739	14.8%	3.7%
SME	2,798	3,072	3,055	3,128	3,169	3,506	3,593	3,699	3,890	22.8%	5.2%
Large corporate	7,568	7,834	8,707	8,740	9,170	9,250	9,798	9,822	9,777	6.6%	-0.5%
International	21,561	22,642	24,068	24,508	25,474	26,472	27,768	28,204	28,840	13.2%	2.3%

#### Mixed performance in subsidiaries

■ SBICARD clocked a PAT of INR6.03b (up 15% YoY). SBILIFE's PAT grew 1% YoY to INR3.8b. PAT of the AMC business grew 25% YoY to INR4.7b, while SBI General reported a loss of INR110m vs. a loss of INR230m in 2QFY23.

#### Valuation and view

- SBIN followed stringent provisioning policy and has strengthened its balance sheet by creating higher provisions. It raised its PCR (including TWO) to ~92% in 2QFY24 (from ~65% in 1QFY18) and held a higher (~99.5%) provision coverage on Corporate NPAs.
- The bank has one of the best liability franchises (CASA mix: ~42%). This puts SBIN in a better position to manage pressure on yields and support margin to a large extent in a rising interest rate scenario.
- Its subsidiaries, SBI MF, SBILIFE, SBICARD and SBI Cap, have reported healthy performances over the last few years, supporting our SoTP valuation for SBIN.
- Headline asset quality improved in 2Q, as fresh slippages declined to INR41b (0.6% of loans). GNPA/NNPA ratios declined to 2.55%/0.64% in 2QFY24 as the rate of reductions outpaced slippages. We expect slippages to remain under control going forward and estimate a credit cost of ~50bp over FY23-25.

Among PSU banks, SBIN remains the best play on a gradual recovery in the Indian economy, with a healthy specific PCR (~75%), Tier I of ~12%, a strong liability franchise, and improved core operating profitability.

■ Buy with a TP of INR700: SBIN delivered a steady quarter, with a beat on profitability aided by lower provisions and steady revenue growth. Opex was high due to high wage provisions effective Nov'22, hurting PPoP growth. Margins declined 4bp QoQ and the management expects a further 3-5bp decline from current levels, though SBIN has levers in place (CD ratio, MCLR repricing) to maintain stable margins. Business growth was healthy, with most business segments showing traction (barring corporate portfolio). Asset quality remained robust as net NPA ratio improved further and the restructured book remained in control at 0.6%, along with lower SMA pool at 12bp of loans. We estimate SBIN to deliver FY25E RoA/RoE of 1.1%/ 18.3%. We reiterate our BUY rating with an unchanged TP of INR700 (1.1x FY25E ABV + INR202 from subs).

**Exhibit 3: SoTP-based pricing** 

Name	Stake (%)	Value for SBIN (INR b)	Value per Share	% of total value	Rationale
	(%)		•		
SBI Bank	100	4,439	497	71	❖ 1.1x FY25E ABV
Life insurance	55	876	98	14	❖ 2.4x FY25E EV
Cards	69	679	76	11	25x FY25E PAT
Asset management	63	324	36	5	❖ 30x FY25E PAT
General insurance	70	62	7	1	❖ 25x FY25E PAT
YES Bank	26	127	14	2	Based on CMP
Capital Market/DFHI/Others		189	21	3	
Total Value of Subs		2,258	253	36	
Less: 20% holding disc		452	51	7	
Value of Subs (Post Holding Disc)		1,806	202	29	
Target Price		6,245	700		

Exhibit 4: DuPont Analysis: Earnings normalization cycle is progressing strongly

Y/E MARCH	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Interest Income	6.74	6.25	5.79	6.32	7.42	7.38	7.31
Interest Expense	4.17	3.64	3.25	3.57	4.68	4.55	4.45
Net Interest Income	2.57	2.61	2.54	2.76	2.75	2.83	2.86
Fee income	0.96	0.88	0.78	0.72	0.85	0.81	0.82
Trading and others	0.22	0.14	0.07	-0.03	-0.03	-0.03	-0.03
Non-Interest income	1.19	1.03	0.85	0.70	0.82	0.78	0.79
Total Income	3.76	3.63	3.39	3.45	3.57	3.61	3.65
Operating Expenses	1.97	1.95	1.81	1.86	1.99	1.95	1.92
Employee cost	1.20	1.20	1.05	1.09	1.19	1.16	1.14
Others	0.77	0.75	0.75	0.77	0.79	0.78	0.78
Operating Profit	1.79	1.69	1.58	1.59	1.58	1.66	1.72
<b>Core Operating Profit</b>	1.56	1.54	1.51	1.62	1.61	1.69	1.76
Provisions	1.13	1.04	0.51	0.31	0.15	0.22	0.27
NPA	1.13	0.64	0.30	0.17	0.15	0.20	0.25
Others	0.00	0.39	0.22	0.14	0.00	0.02	0.02
PBT	0.66	0.65	0.91	1.28	1.43	1.44	1.45
Tax	0.28	0.17	0.25	0.32	0.36	0.36	0.37
RoA	0.38	0.48	0.67	0.96	1.07	1.08	1.09
Leverage (x)	18.9	19.4	19.6	18.9	17.9	17.0	16.3
RoE	7.2	9.3	13.0	18.1	19.1	18.3	17.7

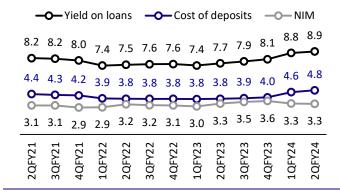
Exhibit 5: Our earnings estimates remains broadly stable for FY24/FY25

INR B	Old Est	timates	Revised Estimates	Change (%)/bps		
IINK D	FY24E	FY25E	FY24E FY25E	FY24E	FY25E	
Net Interest Income	1,611.5	1,833.2	1,597.2 1,821.3	-0.9	-0.6	
Other Income	461.4	493.7	476.0 499.8	3.2	1.2	
Total Income	2,072.8	2,326.8	2,073.3 2,321.1	0.0	-0.2	
Operating Expenses	1,101.2	1,208.6	1,154.5 1,253.7	4.8	3.7	
<b>Operating Profits</b>	971.6	1,118.2	918.8 1,067.5	-5.4	-4.5	
Provisions	131.0	192.0	86.8 140.4	-33.7	-26.9	
PBT	840.7	926.2	832.0 927.0	-1.0	0.1	
Tax	212.7	234.3	210.5 234.5	-1.0	0.1	
PAT	628.0	691.9	621.5 692.5	-1.0	0.1	
Loans (INRt)	36.2	40.9	36.3 41.3	0.4	1.1	
Deposits (INRt)	48.7	54.0	48.7 53.5	0.0	-0.9	
Margins (%)	3.2	3.3	3.1 3.2	-3	-4	
Credit Cost (%)	0.4	0.5	0.3 0.3	-10	-12	
RoA (%)	1.1	1.1	1.1 1.1	-1	0	
RoE (%)	19.2	18.0	19.1 18.3	-8	28	
Standalone ABV	373.1	440.0	370.4 434.7	-0.7	-1.2	
Consol BV	460.3	545.6	459.6 544.9	-0.2	-0.1	

Source: Company, MOFSL

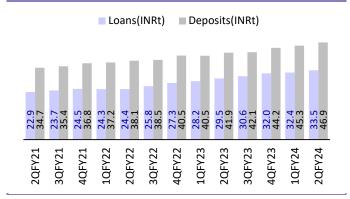
# **Story in charts**

#### Exhibit 6: Global NIMs compressed 4bp QoQ to 3.29%



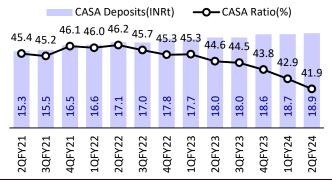
Source: MOFSL, Company

Exhibit 7: Loans up 13% YoY (3.4% QoQ); deposits up 12% YoY



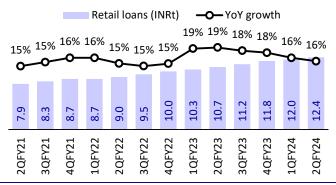
Source: MOFSL, Company

Exhibit 8: CASA ratio moderated 100bp QoQ to 41.9%



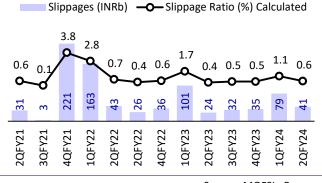
Source: MOFSL, Company

Exhibit 9: Retail loans up ~15.7% YoY



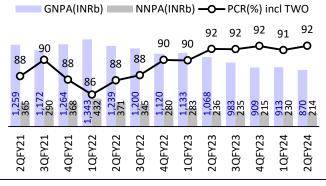
Source: MOFSL, Company

Exhibit 10: Slippages stood at INR41b (annualized 0.6% of loans)



Source: MOFSL, Company

Exhibit 11: GNPA/NNPA at 2.55%/0.64%; PCR (including TWO) at 91.9%



Source: MOFSL, Company

 $Motilal\ Oswal$  State Bank of India

# **Financials and valuations**

Income Statement							(INRb)
Y/E March	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Interest Income	2,573.2	2,651.5	2,754.6	3,321.0	4,314.5	4,747.9	5,216.6
Interest Expense	1,592.4	1,544.4	1,547.5	1,872.6	2,717.2	2,926.6	3,177.3
Net Interest Income	980.8	1,107.1	1,207.1	1,448.4	1,597.2	1,821.3	2,039.2
Change (%)	11.0	12.9	9.0	20.0	10.3	14.0	12.0
Non-Interest Income	452.2	435.0	405.6	366.2	476.0	499.8	564.8
Total Income	1,433.1	1,542.1	1,612.7	1,814.6	2,073.3	2,321.1	2,604.0
Change (%)	14.5	7.6	4.6	12.5	14.3	12.0	12.2
Operating Expenses	751.7	826.5	859.8	977.4	1,154.5	1,253.7	1,373.8
Pre Provision Profits	681.3	715.5	752.9	837.1	918.8	1,067.5	1,230.2
Change (%)	22.9	5.0	5.2	11.2	9.8	16.2	15.2
Core Provision Profits	595.6	655.2	720.7	850.7	935.0	1,087.0	1,253.6
Change (%)	13.9	10.0	10.0	18.0	9.9	16.2	15.3
Provisions (excl tax)	430.7	440.1	244.5	165.1	86.8	140.4	193.0
Exceptional Items (Exp)	NA	NA	74.2	NA	NA	NA	NA
PBT	250.6	275.4	434.2	672.1	832.0	927.0	1,037.2
Tax	105.7	71.3	117.5	169.7	210.5	234.5	262.4
Tax Rate (%)	42.2	25.9	27.1	25.3	25.3	25.3	25.3
PAT	144.9	204.1	316.8	502.3	621.5	692.5	774.8
Change (%)	1,580.3	40.9	55.2	58.6	23.7	11.4	11.9
Cons. PAT post MI	197.7	224.1	353.7	556.5	697.3	798.6	923.4
Change (%)	759.6	13.3	57.9	57.3	25.3	14.5	15.6
Balance Sheet							
Y/E March	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Share Capital	9	9	9	9	9	9	9
Reserves & Surplus	2,311	2,530	2,792	3,267	3,766	4,327	4,961
Net Worth	2,320	2,539	2,801	3,276	3,774	4,336	4,970
Deposits	32,416	36,813	40,515	44,238	48,662	53,528	59,148
Change (%)	11.3	13.6	10.1	9.2	10.0	10.0	10.5
of which CASA Dep	14,337	16,713	18,036	18,874	20,341	22,589	25,375
Change (%)	10.5	16.6	7.9	4.7	7.8	11.1	12.3
Borrowings	3,147	4,173	4,260	4,931	5,552	6,219	6,982
Other Liab. & Prov.	1,631	1,820	2,299	2,725	3,079	3,541	4,072
Total Liabilities	39,514	45,344	49,876	55,170	61,067	67,624	75,171
Current Assets	2,511	3,430	3,946	3,079	3,237	3,467	3,731
Investments	10,470	13,517	14,814	15,704	16,803	17,912	19,219
Change (%)	8.3	29.1	9.6	6.0	7.0	6.6	7.3
Loans	23,253	24,495	27,340	31,993	36,312	41,286	46,860
Change (%)	6.4	5.3	11.6	17.0	13.5	13.7	13.5
Fixed Assets	384	384	377	424	458	494	534
Other Assets	2,896	3,518	3,399	3,971	4,257	4,464	4,827
Total Assets	39,514	45,344	49,876	55,170	61,067	67,624	75,171
Total Assets	33,314	45,544	43,870	33,170	01,007	07,024	73,171
Asset Quality							
GNPA	1,491	1,264	1,120	909	798	812	884
NNPA	1,491 519	368	282	217	798 184	181	186
GNPA Ratio	6.15	4.98	3.98	2.78	2.2	1.9	1.9
NNPA Ratio	2.23	4.98 1.50	3.98 1.03	0.68	2.2 0.5	0.4	0.4
					0.5 0.7		
Slippage Ratio	2.2	1.2	1.0	0.6		0.9	0.9
Credit Cost	1.9	1.8	0.9	0.6	0.3	0.3	0.4
PCR (Excl Tech. W/O)	65.2	70.9	74.9	76.2	77.0	77.8	79.0

# **Financials and valuations**

Ratios							
Y/E March	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Yield and Cost Ratios (%)							
Avg. Yield-Earning Assets	7.7	7.2	6.7	7.2	8.5	8.4	8.2
Avg. Yield on loans	8.0	7.2	6.6	7.5	8.9	8.7	8.6
Avg. Yield on Investments	6.9	6.8	6.1	6.4	7.0	7.1	7.0
Avg. Cost-Int. Bear. Liab.	4.6	4.0	3.6	4.0	5.3	5.1	5.0
Avg. Cost of Deposits	4.8	4.1	3.7	3.8	5.0	4.9	4.8
Interest Spread	3.1	3.1	3.0	3.2	3.2	3.2	3.2
Net Interest Margin	3.0	3.0	2.9	3.2	3.1	3.2	3.2
Capitalization Ratios (%)	42.2	440	12.0	447	440	45.0	45.7
CAR	13.3	14.0	13.8	14.7	14.9	15.3	15.7
Tier I	11.2	11.7	11.4	12.1	12.2	12.9	13.5
Tier II	2.1	2.3	2.4	2.6	2.7	2.4	2.2
Business and Efficiency Ratios (%)							
Loans/Deposit Ratio	71.7	66.5	67.5	72.3	74.6	77.1	79.2
CASA Ratio	44.2	45.4	44.5	42.7	41.8	42.2	42.9
Cost/Assets	1.9	1.8	1.7	1.8	1.9	1.9	1.8
Cost/Total Income	52.5	53.6	53.3	53.9	55.7	54.0	52.8
Cost/Core Income	55.8	55.8	54.4	53.5	55.3	53.6	52.3
Int. Expense./Int. Income	61.9	58.2	56.2	56.4	63.0	61.6	60.9
Fee Income/Total Income	25.6	24.3	23.2	20.9	23.7	22.4	22.6
Non Int. Inc./Total Income	31.6	28.2	25.2	20.2	23.0	21.5	21.7
Empl. Cost/Total Expense	60.8	61.6	58.3	58.6	60.0	59.7	59.4
Investment/Deposit Ratio	32.3	36.7	36.6	35.5	34.5	33.5	32.5
mrestment beposit natio	32.0	30.7	30.0	33.3	3 1.3	33.3	32.3
Profitability Ratios and Valuation							
RoE	7.2	9.3	13.0	18.1	19.1	18.3	17.7
RoA	0.4	0.5	0.7	1.0	1.1	1.1	1.1
RoRWA	0.7	0.9	1.2	1.7	1.9	1.9	1.9
Consolidated RoE	7.9	8.2	11.8	16.2	17.5	17.2	16.9
Consolidated RoA	0.5	0.5	0.7	1.0	1.1	1.1	1.2
Book Value (INR)	245	270	299	350	406	469	540
Change (%)	5.6	10.0	10.9	16.9	16.0	15.5	15.1
Price-BV (x)	1.5	1.4	1.3	1.1	0.9	0.8	0.7
Consol BV (INR)	267	294	328	385	460	545	644
Change (%)	7.7	10.3	11.5	17.4	19.4	18.6	18.2
Price-Consol BV (x)	2.2	2.0	1.8	1.5	1.3	1.1	0.9
Adjusted BV (INR)	187	221	256	311	370	435	506
Price-ABV (x)	2.0	1.7	1.5	1.2	1.0	0.9	0.7
Adjusted Consol BV	212	250	289	350	426	511	610
Price-Consol ABV (x)	2.7	2.3	2.0	1.7	1.4	1.1	0.9
EPS (INR)	16.2	22.9	35.5	56.3	69.6	77.6	86.8
Change (%)	1,580.3	40.9	55.2	58.6	23.7	11.4	11.9
Price-Earnings (x)	23.1	16.4	10.6	6.7	5.4	4.8	4.3
Consol EPS (INR)	22.1	25.1	39.6	62.4	78.1	89.5	103.5
Change (%)	759.6	13.3	57.9	57.3	25.3	14.5	15.6
Price-Consol EPS (x)	<b>26.1</b>	23.0	14.6	9.3	7.4	6.5	5.6
Dividend Per Share (INR)	0.0	4.0	7.1	11.3	13.8	14.6	15.8
Dividend Yield (%)	0.0	0.7	1.2	2.0	2.4	2.5	2.7
E: MOESI Estimatos		•••					,

E: MOFSL Estimates

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

 $Motilal\ Oswal$  State Bank of India

# NOTES

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

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

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate Motilal Oswal Financial Services Limited are available http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.co from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

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

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

#### For U.S.

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

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ("MOCMSPL") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

#### Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company. MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report

- Research Analyst has not served as director/officer/employee in the subject company

  MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- MOFSL has not engaged in market making activity for the subject company

13 5 November 2023

The associates of MOFSL may have:

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

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

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

#### **Analyst Certification**

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

#### Terms & Conditions:

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

#### Disclaimer:

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

Ghovando redicada dell.					
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.