

## Reduce

**Weak Quarter; Earnings to remain Sluggish**

- BoB's reported a loss of Rs86 bn in Q1FY21 led by higher provisions.
- Though domestic slippages were muted owing to ongoing loan moratorium, two-third of slippages in 1QFY21 pertained to the international portfolio. Slippages from overseas book have been elevated over the last few quarters.
- The quarter also saw high additions to watch-list from the NBFC and power sector. The NBFC addition pertained to a single well rated infra financing NBFC account, where the bank has so far made 35% provisions as per RBI's June 7 circular against a total exposure of Rs76bn, 75% of which is govt guaranteed.
- Moratorium book stood at 21% of advances by value, based on TLs that have not paid July instalment.
- Standard asset provision buffers were at 0.6% of loans for the bank, higher than public sector peers, partly due to the NBFC watch-list provisioning highlighted earlier.
- While BoB stands out for its conservative recognition and provisioning practices (PCR at 72%), risks to profitability from sub-par core earnings (PPOP/assets at 1.8%) and elevated credit costs are high. **Tweaking our estimates marginally, we maintain our REDUCE recommendation on the stock with a TP of Rs52, valuing it at 0.6x of FY22E P/ABV.**

**Corporate portfolio poses a key risk to asset quality**

With half of moratorium book led by corporate portfolio (10% of loans), recent surprises from the bank's international portfolio, and 33% of corporate loans in the 'BBB and below' category (including unrated loans), we expect slippages from the corporate portfolio to pose a key risk to asset quality, pressurizing credit costs. Management expects a large part of the one-time restructuring to accrue from the bank's corporate portfolio.

**High dilution risk from equity raise**

BoB's CET ratio declined by 36 bps QoQ to 9.08% led by the reported loss, sequential rise in capital consumption, and DTA creation during 1QFY21. The Bank plans to raise Rs135bn equity capital over the near term including Rs90bn in core equity and Rs45bn of AT1 bonds. While, capital needs are critical, the infusion poses high dilution risk to BV.

**Q1FY21 Result (Rs Mn)**

Particulars	Q1FY21	Q1FY20	YoY (%)	Q4FY20	QoQ (%)
Net interest income	68,162	48,635	40.2	48,635	40.2
Other income	18,183	21,739	(16.4)	21,739	(16.4)
Total Net Income	86,345	70,374	22.7	70,374	22.7
Operating expenses	43,144	31,766	35.8	31,766	35.8
Pre-provision profits	43,200	38,608	11.9	38,608	11.9
Provisions	56,277	53,993	4.2	53,993	4.2
Tax expense	(4,435)	(5,471)	(18.9)	(5,471)	(18.9)
Reported Net Profit	(8,642)	(9,914)	(12.8)	(9,914)	(12.8)
			(bps)		(bps)
Advances Growth (%)	8.4	6.4	200	6.0	240
NIM (%)	2.6	2.6	(7)	2.7	(12)
RoA (%)	(0.3)	0.3	(61)	0.2	(51)
RoE (%)	(4.8)	5.0	(981)	3.3	(814)
Gross NPA (%)	9.4	10.3	(89)	9.4	(1)

CMP	Rs 49
Target / Upside	Rs 52 / 6%
BSE Sensex	38,206
NSE Nifty	11,270

**Scrip Details**

Equity / FV	Rs 9,254mn / Rs 2
Market Cap	Rs 225bn
	US\$ 3bn
52-week High/Low	Rs 108/Rs 36
Avg. Volume (no)	42,202,600
NSE Symbol	BANKBARODA
Bloomberg Code	BOB IN

**Shareholding Pattern Jun'20(%)**

Promoters	71.6
MF/Banks/FIs	13.6
FIIIs	4.8
Public / Others	10.0

**Valuation (x)**

	FY20E	FY21E	FY22E
P/E	41.1	24.4	4.4
P/ABV	0.5	0.6	0.5
ROAA	0.1	0.1	0.4
ROAE	0.9	1.3	6.9

**Estimates (Rs mn)**

	FY20E	FY21E	FY22E
NII	274,513	313,686	333,641
PPOP	196,914	219,877	233,445
PAT	5,462	9,216	50,573
Adj BV	93.3	83.4	94.7

**VP Research: Mona Khetan**

Tel: +91 22 40969762

E-mail: monak@dolatcapital.com

**Associate: Shreesh Chandra**

Tel: +91 22 40969714

E-mail: shreeshc@dolatcapital.com

**Analyst: Prithvish Uppal**

Tel: +91 22 40969700

E-mail: prithvish@dolatcapital.com

### Other Important Highlights:

- High slippages from the international book at Rs21bn mainly pertained to three accounts including 1) Rs11bn from a middle east based group 2) balance 2 accounts included India based accounts with exposure of Rs3bn (Australia based) and 6bn (Singapore based)- For the Rs6bn exposure, assets have been sold off and bank expects recovery over the next 3 months.
- If moratorium were to be calculated on the basis of accounts paying at least 2 instalments over Mar-July period, moratorium number would have been ~17%.
- On the current account circular, the bank currently has 667 consortium accounts and 210 multiple accounts, and have over 10% share in majority of accounts. The circular is mainly aimed at instilling credit discipline. PSU banks have ~65% of CC but ~45% of current accounts, and the bank should gain from the current circular.
- The bank has sanctioned Rs80 bn under the MSME guarantee scheme, covering 94% of all eligible borrowers. Over 60% or Rs50bn of this has been disbursed so far.
- Loan growth at 8.6% YoY was higher than industry, with domestic and international books growing by 7.6% and 14% respectively. Within the domestic book, growth was led by retail (13.5% YoY, ex pool purchase) and corporate (9% YoY).

**Risks to the View:** Higher-than-estimated credit loss from corporate segment, inability to contain opex, higher than anticipated stress on macro-economy from COVID-19, dilution risk from equity raise at below book.

#### Exhibit 1: Actual v/s estimates

(Rs mn)	Actual	Estimated	% Variance	Comments
NII	68,162	67,842	0.5	
Operating Profit	43,200	46,025	(6.1)	
PAT	(8,642)	8,056	(207.3)	Due to elevated provisions, including high standard asset provisions

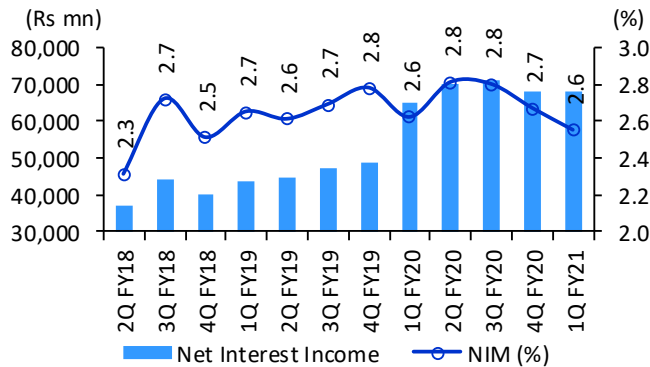
Source: Company, DART

#### Exhibit 2: Change in estimates

Particulars	Previous		Revised		Change %	
	FY21E	FY22E	FY21E	FY22E	FY21E	FY22E
Net Operating Revenue	4,02,538	4,29,316	4,06,734	4,32,486	1.0	0.7
Pre Provision Profits	2,11,959	2,26,365	2,19,877	2,33,445	3.7	3.1
PAT	9,312	51,153	9,216	50,573	(1.0)	(1.1)

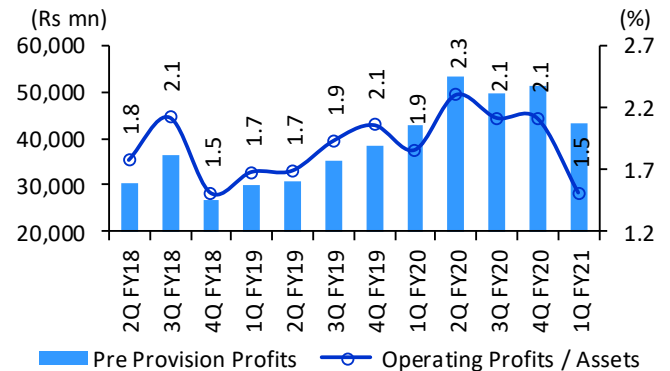
Source: Company, DART

**Exhibit 3: Margin continue to moderate, partly led by surplus liquidity**



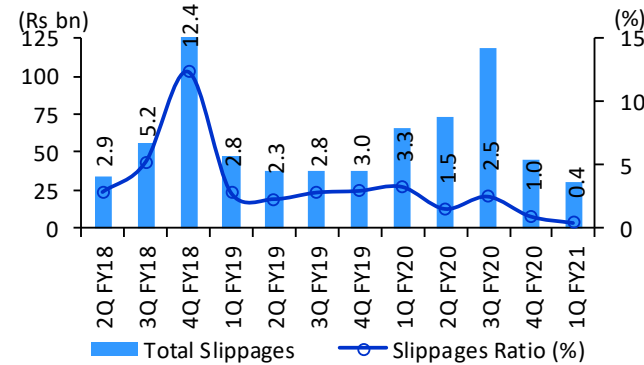
Source: Company, DART

**Exhibit 4: PPOp profile weakens**



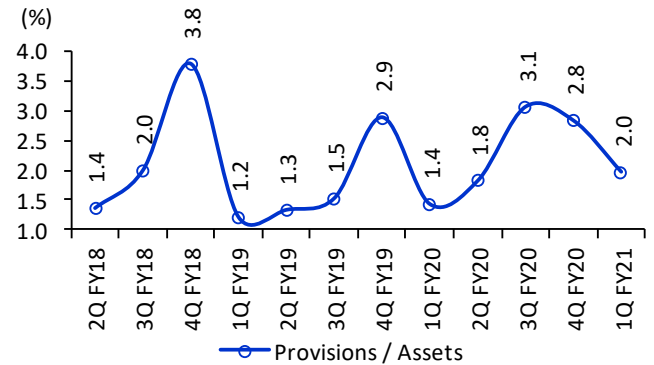
Source: Company, DART

**Exhibit 5: Slippages low owing to moratorium**



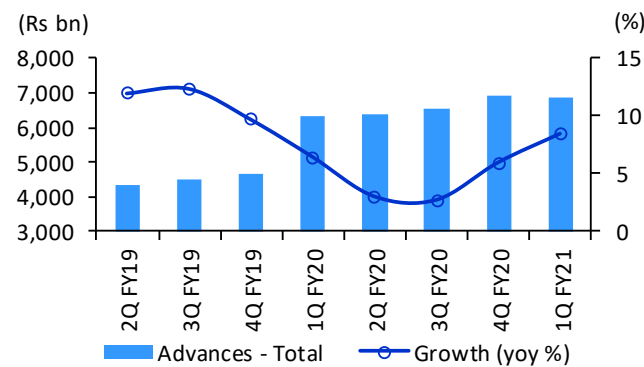
Source: Company, DART

**Exhibit 6: Yet, credit costs remain elevated**



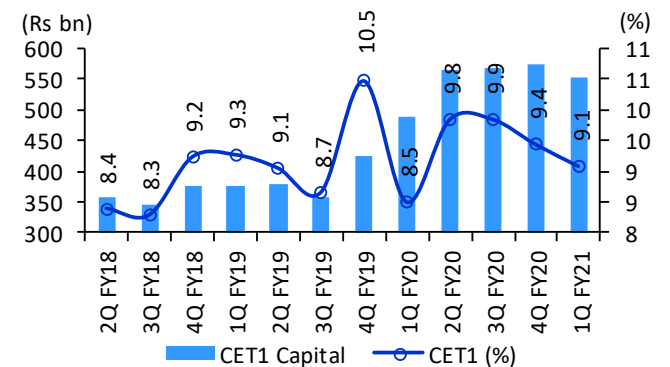
Source: Company, DART

**Exhibit 7: Strong re-bounce in YoY loan growth**



Source: Company, DART

**Exhibit 8: CET1 Ratio declines by 36 bps QoQ to 9.1%**



Source: Company, DART

## Quarterly Financials

Profit and Loss (Rs mn)	Q1FY21	Q1FY20	% yoy / bps	Q4FY20	% qoq / bps
<b>Interest Inc.</b>	<b>1,84,942</b>	<b>1,89,453</b>	<b>(2.4)</b>	<b>1,86,984</b>	<b>(1.1)</b>
<i>Yield on Advances (%)</i>	7.26	8.00	(74)	7.65	(39)
<b>Interest Expenses</b>	<b>1,16,780</b>	<b>1,24,472</b>	<b>(6.2)</b>	<b>1,19,003</b>	<b>(1.9)</b>
<i>Global - Cost of Dep. (%)</i>	4.5	5.1	(62)	4.8	(28)
<b>Net Interest Income</b>	<b>68,162</b>	<b>64,981</b>	<b>4.9</b>	<b>67,982</b>	<b>0.3</b>
<i>NII to Net Operative Income</i>	78.9	77.2	171	70.6	837
<i>NIM (%)</i>	2.6	2.6	(7)	2.7	(12)
<i>Dom. NIM (%)</i>	2.6	2.9	(24)	2.8	(18)
<b>Adjusted NII</b>	<b>68,162</b>	<b>60,506</b>	<b>12.7</b>	<b>62,840</b>	<b>8.5</b>
<b>Core Fee Income</b>	<b>11,770</b>	<b>12,750</b>	<b>(7.7)</b>	<b>15,350</b>	<b>(23.3)</b>
Profit on Sale / Rev of Investments	5,410	3,380	60.1	8,750	(38.2)
Recovery from PWO	940	2,030	(53.7)	2,800	(66.4)
<b>Non Core Other Income</b>	<b>6,413</b>	<b>6,406</b>	<b>0.1</b>	<b>13,000</b>	<b>(50.7)</b>
<b>Other Income - Total</b>	<b>18,183</b>	<b>19,156</b>	<b>(5.1)</b>	<b>28,347</b>	<b>(35.9)</b>
<i>Other Inc to Net Oper. Income (%)</i>	21.1	22.8	(171)	29.4	(837)
<b>Net Operating Revenue</b>	<b>86,345</b>	<b>84,137</b>	<b>2.6</b>	<b>96,328</b>	<b>(10.4)</b>
<b>Net Operating Revenue - Adj.</b>	<b>86,345</b>	<b>79,662</b>	<b>8.4</b>	<b>91,186</b>	<b>(5.3)</b>
Employee Expenses	22,418	19,394	15.6	19,545	14.7
<i>Empl. Cost/Oper. Exps. (%)</i>	26.0	23.1	291	20.3	567
Other Opex	20,726	21,980	(5.7)	25,576	(19.0)
<i>Other Opex/ Assets (%)</i>	0.2	0.2	(6)	0.3	(8)
<b>Total Opex</b>	<b>43,144</b>	<b>41,375</b>	<b>4.3</b>	<b>45,120</b>	<b>(4.4)</b>
<i>Cost to Income Ratio (%)</i>	50.0	49.2	79	46.8	313
<b>Pre Provision Profits</b>	<b>43,200</b>	<b>42,762</b>	<b>1.0</b>	<b>51,208</b>	<b>(15.6)</b>
Provision towards NPAs	34,575	31,680	9.1	31,906	8.4
Provision for investments	490	(270)	(281.5)	7,400	(93.4)
Standard Advances	18,110	(1,090)	(1,761.5)	26,840	(32.5)
Other Provisions	3,102	2,530	22.6	2,290	35.4
<b>Provisions &amp; Contingencies - Total</b>	<b>56,277</b>	<b>32,849</b>	<b>71.3</b>	<b>68,441</b>	<b>(17.8)</b>
<i>Credit Cost (%)</i>	1.82	2.04	(22)	1.8	-
<i>NPA Provisions as % PPP</i>	130.3	76.8	5,345	133.7	(338)
<b>Profit Before Tax</b>	<b>(13,077)</b>	<b>9,913</b>	<b>(231.9)</b>	<b>(17,233)</b>	<b>(24.1)</b>
<b>Tax</b>	<b>(4,435)</b>	<b>2,815</b>	<b>(257.6)</b>	<b>(22,299)</b>	<b>(80.1)</b>
<i>Effective Tax Rate (%)</i>	33.9	28.4	552	129.4	(9,548.2)
<b>Reported Profits</b>	<b>(8,642)</b>	<b>7,099</b>	<b>(221.7)</b>	<b>5,066</b>	<b>(270.6)</b>
<i>RoA (%)</i>	(0.3)	0.5	(79)	0.2	(48.0)
Basic EPS (Rs)	(1.9)	2.0	(191.6)	1.1	(270.6)

Source: Company, DART;

Balance Sheet Analysis	Q1FY20	Q2FY20	Q3FY20	Q4FY20	Q1FY21	QoQ % / bps	YoY % / bps
Net Worth	6,31,022	6,40,119	7,09,953	7,18,562	7,11,005	(1.1)	12.7
CET1 (%)	8.5	9.8	9.9	9.4	9.1	(36)	59
Tier 1 (%)	9.6	10.9	11.5	10.7	10.3	(38)	77
Total CAR (%)	11.5	13.0	13.5	13.3	12.8	(46)	134
RWA - Total	57,65,135	57,40,909	57,86,869	60,81,955	60,81,542	(0.0)	5.5
Advances - Total	63,31,809	63,73,402	65,44,651	69,01,207	68,66,718	(0.5)	8.4
Investments	25,50,542	26,41,510	26,58,008	27,46,146	27,08,652	(1.4)	6.2
Total Assets	1,06,19,079	1,07,27,533	1,09,35,633	1,15,79,155	1,13,22,554	(2.2)	6.6
RoA (%)	0.49	0.28	(0.52)	0.18	(0.30)	(48)	(79)
Deposits	89,55,420	89,41,298	89,61,616	94,59,844	93,44,613	(1.2)	4.3
Saving Deposit	24,51,160	25,45,370	25,88,380	26,92,430	27,36,040	1.6	11.6
Current Deposit	5,64,560	5,74,850	6,14,260	6,45,820	4,76,250	(26.3)	(15.6)
CASA Deposits	30,15,720	31,20,220	32,02,640	33,38,250	32,12,290	(3.8)	6.5
Domestic CASA Ratio (%)	36.6	37.9	38.8	39.1	39.5	39	294
Term Deposits	59,39,700	58,21,078	57,58,976	61,21,594	61,32,323	0.2	3.2
Interest Bearing Liabilities - Total	96,61,126	97,11,181	98,59,477	1,03,90,537	1,01,12,887	(2.7)	4.7

Source: Company, DART

Movement of NPA (Rs mn)	Q1FY20	Q2FY20	Q3FY20	Q4FY20	Q1FY21	QoQ % / bps	YoY % / bps
Total Slippages	66,240	72,590	1,18,200	44,850	30,020	(33.1)	(54.7)
Slippages Ratio (%)	3.29	1.55	2.52	0.96	0.43	(52)	(286)
Gross NPA	6,97,140	6,99,690	7,31,397	6,93,814	6,91,320	(0.4)	(0.8)
Gross NPAs Ratio (%)	10.28	10.25	10.43	9.40	9.39	(1)	(89)
PCR - Calculated (%)	64.1	64.4	63.8	68.9	71.9	296	777
PCR - Inc. Tech w/o (%)	77.3	77.9	77.8	81.3	83.3	197	596
Net NPA	2,50,303	2,48,944	2,65,040	2,15,766	1,94,497	(9.9)	(22.3)
Net NPAs Ratio (%)	3.95	3.91	4.05	3.13	2.83	(30)	(112)

Source: Company, DART

Loan Book Analysis (Rs mn)	Q1FY20	Q2FY20	Q3FY20	Q4FY20	Q1FY21	QoQ % / bps	YoY % / bps
Home	8,03,320	8,08,590	8,17,750	8,30,120	8,39,590	1.1	4.5
Auto	1,24,150	1,31,960	1,58,710	1,64,900	1,67,720	1.7	35.1
Education	45,990	49,620	51,190	52,870	53,520	1.2	16.4
Other Retail loans.	1,48,870	1,49,040	1,63,200	1,58,680	1,64,330	3.6	10.4
Retail	11,22,330	11,39,220	11,90,850	12,06,570	12,25,160	1.5	9.2
Agriculture	8,02,010	8,05,190	8,45,480	8,79,210	8,85,880	0.8	10.5
SME	8,49,530	8,45,810	8,70,410	8,73,280	8,75,820	0.3	3.1
Large & Medium Corporate	26,84,280	27,19,010	27,08,960	29,15,430	29,30,070	0.5	9.2
Domestic Misc.	2,56,700	2,10,680	2,28,960	2,35,970	2,33,450	(1.1)	(9.1)
Total Domestic Advances	57,14,850	57,19,910	58,44,660	61,10,460	61,50,380	0.7	7.6
Overseas	6,16,959	6,53,492	6,99,991	7,90,747	7,16,338	(9.4)	16.1
Advances - Total	63,31,809	63,73,402	65,44,651	69,01,207	68,66,718	(0.5)	8.4

Source: Company, DART

## Conference Call Highlights

- The bank has 21% of loans under moratorium (based on TMs as a % of total loans). TMs make up ~65% of the bank's loanbook. Accounts that have not paid July instalment (by value) are considered to be under moratorium. If moratorium were to be calculated on the basis of accounts paying at least 2 instalments over Mar-July period, this number would have been ~17%.
- Additions to the watchlist mainly pertained to a single well rated infra financing NBFC account. The bank has an expose of Rs76bn to this account, ~Rs58bn of which is govt guaranteed. The bank has provided 35% against the account. Provisions need to be made under the June 7 circular since no resolution plan has been implemented since 180 days post review period. The bank has made ~Rs10 bn of provisions during the qtr, and Rs15bn were made in 4QFY20. Management expects an eventual recovery from this account.
- High slippages from the international book at Rs21bn mainly pertained to 1) Rs11bn from middle east group 2) balance 2 accounts included India based accounts with exposure of Rs3bn (Australia based) and 6bn (Singapore based)- For the Rs6bn exposure assets have been sold off and expect recovery over the next 3 months.
- On one time restructuring, expect a larger portion to come from corporate portfolio where 10% of 21% loans under moratorium are from corporate segment. For the MSME segment, restructuring is already ongoing on a need basis. For retail, some restructuring will be required, but don't expect this to be very high.
- 74% of retail to borrowers have a credit score of 725 plus and 90% of retail borrowers also have a liability relationship with the bank
- Total standard asset provisions stood at Rs79 bn for domestic book and Rs90bn for global book
- The bank has unrealized treasury gains of Rs89bn in HTM category.
- The bank has sanctioned Rs80 bn under the MSME guarantee scheme, covering 94% of all eligible borrowers. Over 60% or Rs50bn of this has been disbursed so far.
- NIM decline was mainly owing to liquidity surplus, which could continue to be the case over near term.
- Have plans to raise Rs135 bn capital including Rs90bn in core equity and Rs45bn of AT1 capital (close to completion).
- The 36 bps sequential decline in CET1 ratio is mainly due to reported loss and DTA creation.
- Expect both loan and deposit growth of 7% YoY in FY21.
- On the current account circular, the bank currently has 667 consortium accounts and 210 multiple accounts, and have over 10% share in majority of accounts. The circular is mainly aimed at instilling credit discipline. PSUs banks have ~65% of CC but ~45% of current accounts, and the bank should gain from the current circular.



**Profit and Loss Account (Rs Mn)**

Particulars	FY19A	FY20A*	FY21E	FY22E
Interest Income	499,741	759,837	839,946	881,176
Interest expenses	312,902	485,324	526,259	547,534
<b>Net interest income</b>	<b>186,839</b>	<b>274,513</b>	<b>313,686</b>	<b>333,641</b>
Other incomes	60,910	103,173	93,048	98,845
Total expenses	112,880	180,772	186,857	199,041
- Employee cost	50,391	87,695	94,711	102,288
- Other	62,489	93,077	92,146	96,753
<b>Pre provisioning profit</b>	<b>134,869</b>	<b>196,914</b>	<b>219,877</b>	<b>233,445</b>
Provisions	127,887	214,935	206,324	159,074
Profit before taxes	6,982	(18,021)	13,553	74,372
Tax provision	2,646	(23,483)	4,337	23,799
Profit after tax	4,336	5,462	9,216	50,573
<b>Adjusted profit</b>	<b>4,336</b>	<b>5,462</b>	<b>9,216</b>	<b>50,573</b>

**Balance Sheet (Rs Mn)**

Particulars	FY19A	FY20A*	FY21E	FY22E
<b>Sources of Funds</b>				
Equity Capital	6,161	9,254	9,254	9,254
Reserves & Surplus	503,670	709,308	703,499	745,002
Minority Interest	-	-	0	0
Net worth	509,831	718,562	712,752	754,255
Borrowings	672,013	930,693	955,862	1,034,512
- Deposits	6,386,897	9,459,844	9,664,825	10,460,068
- Other interest bearing liabilities	0	0	0	0
Current liabilities & provisions	241,133	470,056	533,840	592,962
<b>Total Liabilities</b>	<b>7,809,874</b>	<b>11,579,155</b>	<b>11,867,280</b>	<b>12,841,797</b>
<b>Application of Funds</b>				
Cash and balances with RBI	892,296	1,219,011	1,100,553	1,131,745
Investments	1,822,981	2,746,146	2,758,762	2,911,270
Advances	4,688,187	6,901,207	7,246,268	7,970,894
Fixed assets	69,903	88,893	87,888	86,698
Other current assets, loans and advances	336,507	623,898	673,809	741,190
<b>Total Assets</b>	<b>7,809,874</b>	<b>11,579,155</b>	<b>11,867,280</b>	<b>12,841,797</b>

E – Estimates, \* YoY numbers not comparable due to amalgamation with Dena and Vijaya.

**Important Ratios**

Particulars	FY19A	FY20A*	FY21E	FY22E
<b>(A) Margins (%)</b>				
Yield on advances	7.7	9.3	8.3	8.2
Yields on interest earning assets	7.0	8.3	7.6	7.6
Yield on investments	7.4	7.9	7.5	7.5
Costs of funds	4.6	5.6	5.0	5.0
Cost of deposits	4.5	5.5	5.0	4.9
NIMs	2.6	3.0	2.9	2.9
<b>(B) Asset quality and capital ratios (%)</b>				
GNPA	9.6	9.4	10.5	9.4
NNPA	3.3	3.1	3.8	3.3
PCR	67.6	68.9	66.0	67.0
Slippages	3.2	5.0	5.3	3.5
NNPA to NW	33.6	32.8	41.5	37.6
CASA	43.2	41.3	41.3	41.3
CAR	13.4	13.3	11.8	11.6
Tier 1	11.6	10.7	9.2	8.9
Credit - Deposit	73.4	73.0	75.0	76.2
<b>(C) Dupont as a percentage of average assets</b>				
Interest income	6.7	7.8	7.2	7.1
Interest expenses	4.2	5.0	4.5	4.4
Net interest income	2.5	2.8	2.7	2.7
Non interest Income	0.8	1.1	0.8	0.8
Total expenses	1.5	1.9	1.6	1.6
- cost to income	45.6	47.9	45.9	46.0
Provisions	1.7	2.2	1.8	1.3
Tax	0.0	(0.2)	0.0	0.2
RoA	0.1	0.1	0.1	0.4
Leverage	16.8	17.6	18.0	18.3
RoE	0.9	0.9	1.3	6.9
RoRwa	0.1	0.1	0.1	0.7
<b>(D) Measures of Investments</b>				
EPS - adjusted	1.4	1.2	2.0	10.9
BV	150.9	142.2	142.6	151.8
ABV	96.8	93.3	83.4	94.7
<b>(E) Growth Ratios (%)</b>				
Net interest income	20.4	46.9	14.3	6.4
PPoP	12.3	46.0	11.7	6.2
Adj PAT	(117.8)	26.0	68.7	448.7
Advances	9.7	47.2	5.0	10.0
Total borrowings	7.4	38.5	2.7	8.2
Total assets	8.5	48.3	2.5	8.2
<b>(F) Valuation Ratios</b>				
Market Cap (Rs. mn)	224,634	224,634	224,634	224,634
CMP (Rs.)	49	49	49	49
P/E (x)	34.5	41.1	24.4	4.4
P/BV (x)	0.3	0.3	0.3	0.3
P/ABV (x)	0.5	0.5	0.6	0.5

E – Estimates, \*YoY numbers not comparable due to amalgamation with Dena and Vijaya.

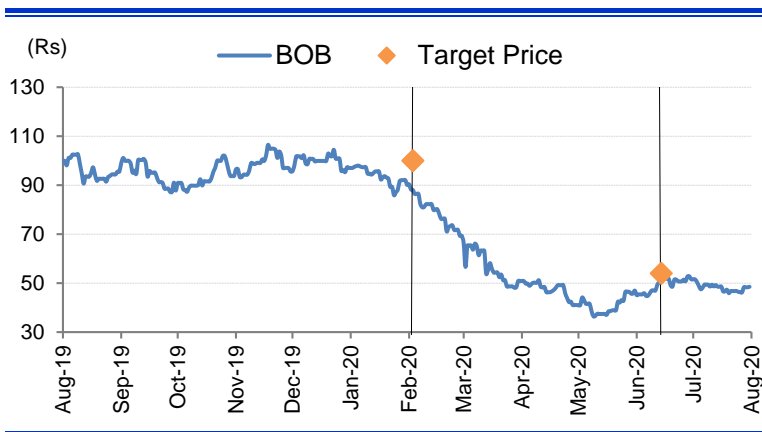


### DART RATING MATRIX

Total Return Expectation (12 Months)

<b>Buy</b>	<b>&gt; 20%</b>
<b>Accumulate</b>	<b>10 to 20%</b>
<b>Reduce</b>	<b>0 to 10%</b>
<b>Sell</b>	<b>&lt; 0%</b>

### Rating and Target Price History



Month	Rating	TP (Rs.)	Price (Rs.)
Feb-20	Accumulate	100	88
Jun-20	Reduce	54	52

\*Price as on recommendation date

### DART Team

<b>Purvag Shah</b>	<b>Managing Director</b>	<b>purvag@dolatcapital.com</b>	<b>+9122 4096 9747</b>
--------------------	--------------------------	--------------------------------	------------------------

<b>Amit Khurana, CFA</b>	<b>Head of Equities</b>	<b>amit@dolatcapital.com</b>	<b>+9122 4096 9745</b>
--------------------------	-------------------------	------------------------------	------------------------

#### CONTACT DETAILS

Equity Sales	Designation	E-mail	Direct Lines
Dinesh Bajaj	VP - Equity Sales	dineshb@dolatcapital.com	+9122 4096 9709
Kapil Yadav	VP - Equity Sales	kapil@dolatcapital.com	+9122 4096 9735
Yomika Agarwal	VP - Equity Sales	yomika@dolatcapital.com	+9122 4096 9772
Jubbin Shah	VP - Derivatives Sales	jubbins@dolatcapital.com	+9122 4096 9779
Ashwani Kandoi	AVP - Equity Sales	ashwanik@dolatcapital.com	+9122 4096 9725
Lekha Nahar	AVP - Equity Sales	lekhan@dolatcapital.com	+9122 4096 9740
Equity Trading	Designation	E-mail	
P. Sridhar	SVP and Head of Sales Trading	sridhar@dolatcapital.com	+9122 4096 9728
Chandrakant Ware	VP - Sales Trading	chandrakant@dolatcapital.com	+9122 4096 9707
Shirish Thakkar	VP - Head Domestic Derivatives Sales Trading	shirisht@dolatcapital.com	+9122 4096 9702
Kartik Mehta	Asia Head Derivatives	kartikm@dolatcapital.com	+9122 4096 9715
Dinesh Mehta	Co- Head Asia Derivatives	dinesh.mehta@dolatcapital.com	+9122 4096 9765
Bhavin Mehta	VP - Derivatives Strategist	bhavinm@dolatcapital.com	+9122 4096 9705

**Dolat** Capital Market Private Limited.

Sunshine Tower, 28th Floor, Senapati Bapat Marg, Dadar (West), Mumbai 400013

---

**Analyst(s) Certification**

The research analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that: All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

---

**I. Analyst(s) and Associate (S) holding in the Stock(s): (Nil)****II. Disclaimer:**

This research report has been prepared by Dolat Capital Market Private Limited. to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its affiliated company(ies) solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of Dolat Capital Market Private Limited. This report has been prepared independent of the companies covered herein. Dolat Capital Market Private Limited. and its affiliated companies are part of a multi-service, integrated investment banking, brokerage and financing group. Dolat Capital Market Private Limited. and/or its affiliated company(ies) might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, financing or any other advisory services to the company(ies) covered herein. Dolat Capital Market Private Limited. and/or its affiliated company(ies) might have received or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services. Research analysts and sales persons of Dolat Capital Market Private Limited. may provide important inputs to its affiliated company(ies) associated with it. While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and Dolat Capital Market Private Limited. does not warrant its accuracy or completeness. Dolat Capital Market Private Limited. may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision. The investment discussed or views expressed herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and Dolat Capital Market Private Limited. reserves the right to make modifications and alterations to this statement as they may deem fit from time to time. Dolat Capital Market Private Limited. and its affiliated company(ies), their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (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. This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction. 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 Dolat Capital Market Private Limited. and/or its affiliated company(ies) 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 a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions.

**For U.S. Entity/ persons only:** This research report is a product of Dolat Capital Market Private Limited., which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by Dolat Capital Market Private Limited. only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person or entity.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, Dolat Capital Market Private Limited. has entered into an agreement with a U.S. registered broker-dealer Ltd Marco Polo Securities Inc. ("Marco Polo"). Transactions in securities discussed in this research report should be effected through Marco Polo or another U.S. registered broker dealer/Entity as informed by Dolat Capital Market Private Limited. from time to time.

---

**Dolat Capital Market Private Limited.**

Corporate Identity Number: U65990DD1993PTC009797

Member: BSE Limited and National Stock Exchange of India Limited.

SEBI Registration No: BSE - INB010710052 & INF010710052, NSE - INB230710031& INF230710031, Research: INH000000685

Registered office: Office No. 141, Centre Point, Somnath, Daman – 396 210, Daman & Diu

Board: +9122 40969700 | Fax: +9122 22651278 | Email: research@dolatcapital.com | www.dolatresearch.com

---