

May 10, 2019

Q4FY19 Result Update

☑ Change in Estimates | ☑ Target | ■ Reco

Change in Estimates

		rrent		vious
	FY20E	FY21E	FY20E	FY21E
Rating	В	BUY	E	BUY
Target Price	4	127	;	361
NII (Rs. m)	1,010,225	1,144,210	1,001,510	1,109,147
% Chng.	0.9	3.2		
Op. Profit (Rs. m)	644,536	735,158	620,117	709,786
% Chng.	3.9	3.6		
EPS (Rs.)	23.4	33.0	17.5	23.8
% Chng.	33.6	38.8		

Key Financials

	FY18	FY19	FY20E	FY21E
NII (Rs bn)	749	883	1,010	1,144
Op. Profit (Rs bn)	595	554	645	735
PAT (Rs bn)	(65)	8	209	294
EPS (Rs.)	(7.3)	1.0	23.4	33.0
Gr. (%)	229.3	(113.0)	2,359.1	41.1
DPS (Rs.)	0.5	-	-	3.0
Yield (%)	0.2	-	-	1.0
NIM (%)	2.4	2.7	2.9	3.0
RoAE (%)	(3.0)	0.4	9.0	11.6
RoAA (%)	(0.2)	0.0	0.5	0.7
P/BV (x)	1.4	1.4	1.2	1.1
P/ABV (x)	2.4	1.9	1.6	1.4
PE (x)	(42.0)	323.9	13.2	9.3
CAR (%)	12.6	12.7	12.1	11.9

Key Data	SBI.BO SBIN IN
52-W High / Low	Rs.340 / Rs.238
Sensex / Nifty	37,463 / 11,279
Market Cap	Rs.2,749bn/ \$ 39,361m
Shares Outstanding	8,925m
3M Avg. Daily Value	Rs.12764.94m

Shareholding Pattern (%)

Promoter's	57.92
Foreign	10.25
Domestic Institution	24.10
Public & Others	7.73
Promoter Pledge (Rs bn)	-

Stock Performance (%)

	1M	6M	12M
Absolute	(0.9)	8.8	24.2
Relative	2.1	2.1	16.9

Pritesh Bumb

priteshbumb@plindia.com | 91-22-66322232

Prabal Gandhi

prabalgandhi@plindia.com | 91-22-66322258

State Bank of India (SBIN IN)

Rating: BUY | CMP: Rs308 | TP: Rs427

Operational challenges getting behind

Quick Pointers

- Relatively slower impairment and continued recoveries helped asset quality,
 while pushed towards higher coverage ratio in legacy NPAs
- SMA-1&2 loans dropped sharply to lower stress

SBI's core performance was better off than expectations on back of higher other income led by continued strong recovery from W.off a/c, decent NII and relatively good opex control. Earnings were dented on back of sharp provision rise based on ageing of certain legacy NPAs in the NCLT List -1 taking PCR to ~100%. Also, asset quality improved on back of lower slippages (Rs79.6bn or 1.6% of loans) v/s expectations and also incorporating few of the recent stress names. Going ahead, higher recoveries & lower slippages should improve asset quality, while better PCR of +60% (70% on corporate book and 93% on NCLT) should translate to normalization in credit cost, helping improve return ratios. We retain BUY with revised TP of Rs427 (from 361) based on 1.5x Mar-21 (rolled over from Sep-20) and Rs88 for subs.

- Strong top line helps core operations: NII grew by 15.0% YoY (slightly lower than expectations), while other income was good on continued strong recovery from w.off a/c and fees. Also, control in opex (despite wage/pension provisions) helped overall core PPOP growth of 10% YoY. Domestic NIMs of 2.95% (3.02% on quarterly basis) improved with positive bias on better loan mix dynamics playing out, but have not seen large improvements as deposit costs were also passed on to MCLRs and certain loan segments. Management expects NIMs (domestic) should improve to 3.25% in FY20 considering the recoveries, loan growth and pricing power of the bank.
- Loan growth improves led by retail; deposits growth steady: Loan growth improved to 14% YoY in domestic with strong growth in retail of 18% YoY followed by corporate/SME of 13% YoY. Bank continues to retain higher share in retail products. On liabilities: Deposit grew by 7% YoY with CASA growing at 8% YoY and keeping mix steady at 45.7%. Bank has benefitted from external benchmarking of deposits and will continue to do so ahead until any guidelines emerge, and changes in rates will be transmitted to MCLRs.
- Stress lowering despite a few hiccups: GNPA/NNPA came off by 120/90bps QoQ to 7.5%/3.0% in Q4FY19 with PCR improving to 62% v/s 57% in Q3FY19. Improvement was backed by relatively lower slippages than expectations of Rs79.6 bn (1.6% of loans), better recovery/upgrades and strategic w.offs. Important highlight was SMA-1&2 book more than halved to Rs77.6bn v/s Rs170.6bn or 0.4% of loans from 0.85% of loans sequentially and was on back of regularization of certain a/c in power sector. Net stress book stood at 3.4% of loans. With bank making sufficient provisions on legacy accounts and strong pipeline of recoveries, will reflect on earnings from normalization of credit cost towards 1.0%-1.4% band and improve core operations taking ROAs towards 1% in FY21.

May 10, 2019



NII saw strong growth on back of 13% YoY loan growth and NIM uptick

Other income remained soft on low core fee growth and treasury income, ex-treasury growth was 5%YoY

Opex growth spiked on back of yield increase on pension corpus, CI came at 52%

Bank provided Rs173bn provision on NPA, of which Rs108bn was legacy assets

Loan growth was in line with estimates and inched up close to industry

Margins benefitted from lower cost of funds

Asset quality improved on much lower slippages, while PCR improved by ~5% QoQ as bank retained higher provisioning despite higher write-off

CASA mix improved as SA grew 8.6%YoY and CA grew 7.6% while TD grew 8.1%YoY

Exhibit 1: Provisions dent earnings but strengthens Balance sheet

(Rs m)	Q4FY19	Q4FY18	YoY gr. (%)	Q3FY19	QoQ gr. (%)
Interest income	6,29,854	5,59,413	12.6	6,22,766	1.1
Interest Expenses	4,00,316	3,59,670	11.3	3,95,856	1.1
Net interest income (NII)	2,29,538	1,99,743	14.9	2,26,910	1.2
- Treasury income	5,340	9,410	(43.3)	4,250	25.6
Other income	1,26,851	1,24,948	1.5	80,352	57.9
Total income	3,56,390	3,24,691	9.8	3,07,262	16.0
Operating expenses	1,87,059	1,65,859	12.8	1,81,013	3.3
-Staff expenses	1,04,780	92,542	13.2	1,11,719	(6.2)
-Other expenses	82,279	73,317	12.2	69,293	18.7
Operating profit	1,69,331	1,58,832	6.6	1,26,250	34.1
Core operating profit	1,63,991	1,49,422	9.8	1,22,000	34.4
Total provisions	1,65,019	2,80,961	(41.3)	60,062	174.7
Profit before tax	4,312	(1,22,129)	(103.5)	66,187	(93.5)
Tax	(4,072)	(44,947)	NA	26,639	(115.3)
Profit after tax	8,384	(77,182)	(110.9)	39,548	(78.8)
Balance Sheet					
Deposits	2,91,13,860	2,70,63,433	7.6	2,83,05,377	2.9
Advances	2,18,58,769	1,93,48,802	13.0	2,04,77,790	6.7
Ratios (%)					
RoaA	0.1	(0.9)	101	0.4	(31)
NIM	2.8	2.5	28	2.8	2
Yield on Advances	8.5		21	8.5	1
Cost of Deposits	5.1	5.3	(20)	5.1	1
Asset Quality					
Gross NPL (Rs m)	17,27,504		(22.7)		(8.0)
Net NPL (Rs m)	6,58,947		(40.6)		(18.6)
Gross NPL ratio	7.5		(338)		(118)
Net NPL ratio	3.0		(272)		(94)
Coverage ratio	61.9	50.4	1,147	56.9	496
Business & Other Ratios	45.7	45.7		45.0	
Low-cost deposit mix	45.7		6		51
Cost-income ratio	52.5		141		(642)
Non int. inc / total income	35.6		(289)		944
Credit deposit ratio	75.1	71.5	359		273
CAR	12.7		12		(5)
Tier-I	10.7	10.4	29	10.5	11

Source: Company, PL



Q4FY19 Analyst Meet Highlights

Business Outlook

- Bank is focusing on extending loans to businesses where cash flows are visible and strong across all sectors. Bank mentions that mix between corporate and retail is likely to remain steady. Bank has Rs250bn of current pipeline in project finance v/s 520.0bn in FY19.
- Bank eyes RoA of 1% in FY20 and 1.25% in FY21. International book (13.8%/3.3% of total loans /deposit) is generating RoA of ~1%.
- Bank has linked sector weights with Tier I ratio with no sector exceeding weightage more than Tier I ratio at a given time.

Asset Quality

- Recovery during FY19 stood at Rs315bn of which ~Rs130bn came from IBC resolution. Bank eyes recovery of 160bn from three accounts soon and Rs80bn form AUCA a/c, thereby expects total recovery of Rs380bn in FY20. Bank has made Rs108.0bn provisions made on these three accounts.
- SMA 1 & 2 exposure stood at Rs77.6bn exhibiting a decline of 55% sequentially as one account pertaining to power sector turned standard. Corporate is below 50% in SMA 1 & 2 book.
- Exposure: bank commented risk being manageable wrt Reliance ADA group. In real estate majority of exposure is towards rent securitization. Jet airways has been provided higher than requirement as in Substandard account – added 7bps to GNPA. Power sector has NPA of ~Rs250.0bn on which PCR is ~50%
- Bank is expecting resolution of 2 accounts (18bn exposure) to get resolved in current month along with OTS resolution in 3 accounts.
- Total slippages came at Rs79.6bn, of which Rs22bn pertains to corporate side.
 Slippage ratio stood at 1.56% in 4Q19. Bank guides ratio of 1.4-1.5% in FY20.
- Credit cost for slippages has been 50bps in FY19 and rest is for legacy credit cost. Credit cost will be below 1% for new slippages

Margins/Opex

 NIM came at 3.02% in 4Q19, bank is eyeing 3.25% for FY20 as cost of deposits remain quite comforting for the bank. Further NIMs are helped by share of performing loans.

Others

- Bank highlighted that credit growth of 10%YoY can be funded with incremental deposits. Domestic CD ratio stands at 70.7%.
- General insurance business is driven largely through Banca channel (forms 40% of distribution channel)

Exhibit 2: Loan growth improving on back of both corporate & retail

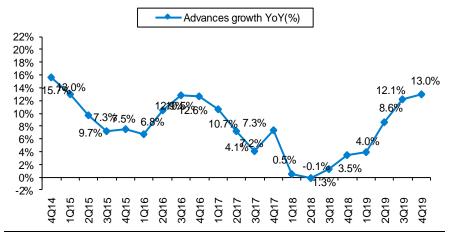
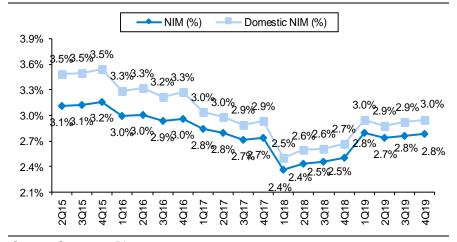


Exhibit 3: Retail loans contributing strong on growth

Loan break up (Rs bn)	Q4FY19	Q4FY18	YoY gr. (%)	Q3FY19	QoQ gr. (%)
Gross Advances	22,935	20,484	12.0	21,553	6.4
Total Corporate and SME	11,402	10,115	12.7	10,678	6.8
SME	3,027	3,020	0.2	2,763	9.6
Agri	7,516	1,883	299.3	1,987	278.3
International	3,027	3,020	0.2	2,763	9.6
Retail	6,478	5,466	18.5	6,126	5.8
Home	4,004	3,131	27.9	3,810	5.1
Auto	719	664	8.3	708	1.5
Other Retail	1,756	1,671	5.1	1,608	9.2

Source: Company, PL

Exhibit 4: Global Margins remained steady as domestic NIM moved up



Source: Company, PL

May 10, 2019

Exhibit 5: Fee income was slower at 3%

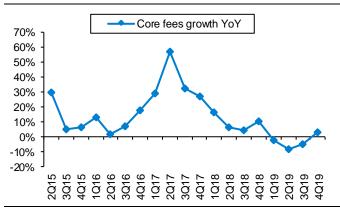
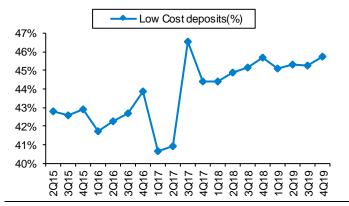
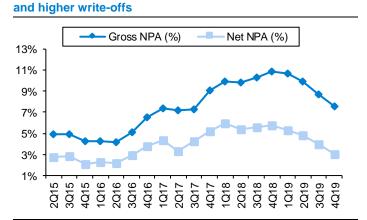


Exhibit 6: CASA mix has remained steady



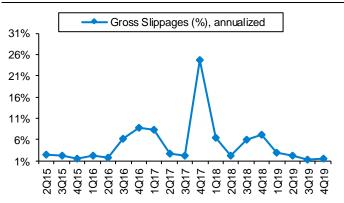
Source: Company, PL

Exhibit 7: Asset quality has improved on lower slippages



Source: Company, PL

Exhibit 8: Gross slippages are normalizing



Source: Company, PL

Exhibit 9: Asset quality helped by lowering stress

Figures Rs million	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19
Additions	103,570	103,680	300,590	106,270	267,800	328,210	143,490	108,880	65,410	79610
Slippages (%) - annualized	2.89%	2.86%	6.43%	2.36%	5.94%	7.19%	2.97%	2.32%	1.34%	1.56%
Upgradation + Recovery	31,210	22,050	66,800	33,230	44,420	NA	148,560	43.270	66,170	57120
Write offs	59,060	39,920	131,760	92,580	93,120	NA	100,800	135,380	180,240	172640
Gross NPAs	1,081,723	1,123,430	1,778,660	1,861,146	1,991,413	2,234,260	2,128,390	2,058,641	1,877,646	1727470
Gross NPA Ratio	7.23%	6.90%	9.97%	9.83%	10.35%	10.91%	10.70%	9.95%	8.71%	7.53%
Net NPAs	614,305	969,780	1,077,597	978,963	1,023,701	1,108,547	992,363	948,100	809,435	658,947
Net NPA Ratio	4.24%	5.19%	5.97%	5.43%	5.61%	5.73%	5.29%	4.84%	3.95%	3.01%
Provision Coverage Ratio	43.2%	45.5%	42.7%	47.4%	48.6%	50.4%	53.4%	53.9%	56.9%	61.9%
SMA 1 & SMA 2						31,870	23,440	12,320	170,590	77,620
% of loans						0.16%	0.12%	0.06%	0.83%	0.36%
Net Stressed assets (% of loans)	4.24%	5.19%	5.97%	5.43%	5.61%	5.89%	5.42%	4.90%	4.78%	3.37%

Source: Company, PL



Exhibit 10: SMA 1 & 2 coming off sharply

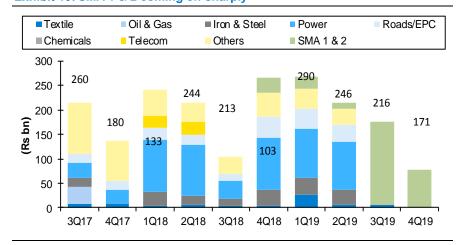


Exhibit 11: Return ratios improvement will be gradual but higher delta from provisions

RoAE decomposition (%)	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Net interest income	2.9	2.9	2.6	2.7	2.2	2.5	2.6	2.7
Treasury income	0.2	0.3	0.3	0.6	0.4	0.1	0.1	0.1
Other Inc. from operations	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9
Total income	4.0	4.0	3.9	4.2	3.5	3.5	3.7	3.8
Employee expenses	1.3	1.2	1.1	1.2	1.0	1.2	1.2	1.2
Other operating expenses	8.0	8.0	8.0	0.9	0.8	0.8	0.8	0.8
Operating profit	1.9	2.0	2.0	2.1	1.8	1.6	1.7	1.8
Tax	0.3	0.3	0.2	0.0	(0.3)	0.0	0.3	0.3
Loan loss provisions	0.9	1.0	1.3	2.1	2.2	1.5	0.9	0.7
RoAA	0.6	0.7	0.5	(0.1)	(0.2)	0.0	0.5	0.7
RoAE	10.0	10.6	7.3	(1.1)	(3.5)	0.4	9.9	12.6

Source: Company Data, PL Research

Exhibit 12: Change in estimates table – we tweak our business growth and lower credit cost numbers

(Po mn)	Old		Revise	ed	%Change		
(Rs mn)	FY20E	FY21E	FY20E	FY21E	FY20E	FY21E	
Net interest income	10,01,510	11,09,147	10,10,225	11,44,210	0.9	3.2	
Operating profit	6,20,117	7,09,786	6,44,536	7,35,158	3.9	3.6	
Net profit	1,56,217	2,12,185	2,08,735	2,94,433	33.6	38.8	
EPS (Rs)	17.5	23.8	23.4	33.0	33.6	38.8	
ABVPS (Rs)	188	212	193	225	2.2	6.3	
Price target (Rs)	361		427		18.3		
Recommendation	BUY		BUY	•			

Source: Company, PL



Exhibit 13: We revise our TP to Rs427 (from 361) based on Mar-21 ABV (rolled over from Sep-20 ABV) and SOTP

PT calculation and upside	
Terminal growth	5.0%
Market risk premium	6.0%
Risk-free rate	7.5%
Adjusted beta	1.07
Cost of equity	13.9%
Fair price - P/ABV	339
Value of subs/associates	88
Fair value of consol. entity	427
P/ABV - Standalone bank	1.5
P/E - Standalone bank	10.3
Current price, Rs	308
Upside (%)	39%
Dividend Yield (%)	1%
Total Return	40%

Exhibit 14: SBIN's: SOTP valuation table

SOTP valuation, FY19E	Stake (%)	Revised PT	Method
Standalone	100	339	Avg. of P/ABV 1.5x
Life insurance venture	62%	54	2.8x EV; 21x new biz multiple
Asset management	74%	10	5% of AUMs
Capital Market/DFHI/Others	100%	24	P/E model
Total		427	

Source: Company, PL

Exhibit 15: SBIN - one year forward P/ABV trends

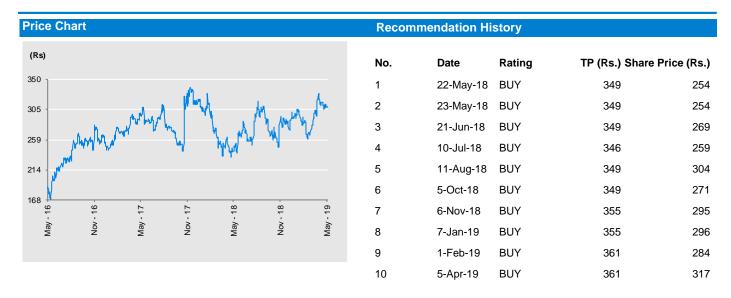


Source: Company, PL



FY19 1,616,402 744,062 56,432 2,428,687 1,545,198 883,489 4.7 367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	2 1,904,445 2 695,968 49,499 7 2,665,984 3 1,655,759 1 1,010,225 7 12.5 397,030 1 1,407,254 5 9.5 7 451,602 2 296,788 7 762,718 644,536 0 325,149 335,300 309,236 1 100,502 3 225,735	FY21E 2,155,565 692,677 56,030 2,920,211 1,776,001 1,144,210 11.8 428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Interest Income Interest Income Interest Expenses Net Interest Income YoY growth (%) CEB Treasury Non Interest Income Total Income Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	Q1FY19 588,132 370,148 217,984 (0.8) 49,760 - 66,795 654,927 97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	Q2FY19 587,935 378,878 209,057 4.5 50,150 93,751 681,685 96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	Q3FY19 622,766 395,856 226,910 9.6 47,240 - 80,352 703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7) 28,305,377	Q4FY19 629,854 400,316 229,538 11.3 85,890 - 126,851 756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
1,616,402 744,062 56,432 2,428,687 1,545,198 883,489 4,7 367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	2 1,904,445 2 695,968 2 49,499 7 2,665,984 3 1,655,759 1,010,225 7 12.5 397,030 1,407,254 5 9.5 451,602 2 296,788 7 62,718 644,536 0 16.3 325,149 335,300 309,236 3 100,502 3 2.5 3 208,735 2 2,359.1	2,155,565 692,677 56,030 2,920,211 1,776,001 1,144,210 11.8 428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Interest Income Interest Expenses Net Interest Income YoY growth (%) CEB Treasury Non Interest Income Total Income Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	588,132 370,148 217,984 (0.8) 49,760 - 66,795 654,927 97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	587,935 378,878 209,057 4.5 50,150 - 93,751 681,685 96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	622,766 395,856 226,910 9.6 47,240 - 80,352 703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	629,854 400,316 229,538 11.3 85,890 - 126,851 756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
744,062 56,432 2,428,687 1,545,198 883,489 4.7 367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	2 695,968 49,499 2,665,984 3 1,655,759 1,010,225 7 12.5 397,030 1,407,254 5 9.5 451,602 2 296,788 7 62,718 644,536 0 16.3 325,149 335,300 309,236 3 100,502 3 208,735 2 208,735 2 2,359.1	692,677 56,030 2,920,211 1,776,001 1,144,210 11.8 428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Interest Expenses Net Interest Income YoY growth (%) CEB Treasury Non Interest Income Total Income Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%)	370,148 217,984 (0.8) 49,760 - 66,795 654,927 97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	378,878 209,057 4.5 50,150 93,751 681,685 96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	395,856 226,910 9.6 47,240 - 80,352 703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	400,316 229,538 11.3 85,890 - 126,851 756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 4,312 (4,072) 8,384 (110.9)
56,432 2,428,687 1,545,198 883,489 4.7 367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	2 49,499 7 2,665,984 8 1,655,759 9 1,010,225 7 12.5 9 397,030 1,407,254 5 9.5 7 451,602 2 296,788 7 62,718 644,536 9 16.3 325,149 335,300 309,236 100,502 3 32.5 3 208,735 2 2,359.1	56,030 2,920,211 1,776,001 1,144,210 11.8 428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Net Interest Income YoY growth (%) CEB Treasury Non Interest Income Total Income Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%)	217,984 (0.8) 49,760 - 66,795 654,927 97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	209,057 4.5 50,150 93,751 681,685 96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	226,910 9.6 47,240 - 80,352 703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	229,538 11.3 85,890 - 126,851 756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 4,312 (4,072) 8,384 (110.9)
2,428,687 1,545,198 883,489 4.7 367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	7 2,665,984 1,655,759 1,010,225 7 12.5 397,030 1,407,254 5 9.5 7 451,602 2 296,788 7 762,718 644,536 16.3 325,149 335,300 309,236 3 32.5 3 208,735 2 298,735 2 2,359.1	2,920,211 1,776,001 1,144,210 11.8 428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	YoY growth (%) CEB Treasury Non Interest Income Total Income Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	(0.8) 49,760 - 66,795 654,927 97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	4.5 50,150 93,751 681,685 96,964 66,795 163,759 139,049 (30.5) 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	9.6 47,240 - 80,352 703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	11.3 85,890 126,851 756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 4,312 (4,072) 8,384 (110.9)
1,545,198 883,489 4.7 367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	3 1,655,759 1,010,225 7 12.5 397,030 1,407,254 5 9.5 7 451,602 2 296,788 7 62,718 644,536 16.3 325,149 335,300 309,236 309,236 309,236 32.5 32.5 32.559.1	1,776,001 1,144,210 11.8 428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	CEB Treasury Non Interest Income Total Income Employee Expenses Other expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	49,760 - 66,795 654,927 97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	50,150 93,751 681,685 96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	47,240 -80,352 703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	85,890 - 126,851 756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 4,312 (4,072) 8,384 (110.9)
883,489 4.7 367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	1,010,225 7 12.5 7 12.5 7 397,030 1,407,254 5 9.5 7 451,602 2 296,788 7 762,718 644,536 16.3 325,149 335,300 309,236 3 100,502 3 22.5 3 208,735 2 2,359.1	1,144,210 11.8 428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Treasury Non Interest Income Total Income Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	66,795 654,927 97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	93,751 681,685 96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	80,352 703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	126,851 756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 4,312 (4,072) 8,384 (110.9)
4.7 367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	7 12.5 397,030 1,407,254 5 9.5 451,602 2 296,788 7 762,718 644,536 325,149 335,300 309,236 3 208,735 2 2,359.1 FY20E	11.8 428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Non Interest Income Total Income Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	681,685 96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
367,620 1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	397,030 1,407,254 9.5 451,602 2 296,788 7 62,718 644,536 325,149 335,300 309,236 3 100,502 3 2.5 3 208,735 2 2,359.1	428,792 1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Total Income Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	97,084 67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	681,685 96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	703,118 111,719 69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	756,705 104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
1,251,109 5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	9 1,407,254 5 9.5 7 451,602 2 296,788 7 62,718 644,536 1 6.3 325,149 335,300 309,236 3 100,502 3 2.5 3 208,735 2 2,359.1	1,573,002 9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Employee Expenses Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	97,084 67,963 165,047 119,731 0.8 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	96,964 66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	111,719 69,293 181,013 126,250 7.4 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	104,780 82,279 187,059 169,331 6.6 - 173,358 165,019 4,312 (4,072) 8,384 (110.9)
5.5 410,547 272,282 696,877 554,231 (6.9) 545,291 538 ,291 15,941 7,453 46.8 8,488 (113.0)	5 9.5 7 451,602 2 296,788 7 62,718 644,536 0) 16.3 325,149 335,300 309,236 3 100,502 3 22.5 3 208,735 2 2,359.1	9.3 496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Other expenses Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	67,963 165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	66,795 163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	69,293 181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	82,279 187,059 169,331 6.6 - 173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
410,547 272,282 696,877 554,231 (6.9) 545,291 538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	451,602 2 296,788 7 62,718 644,536 0 16.3 325,149 335,300 309,236 3 100,502 3 32.5 3 208,735 2 2,359.1 FY20E	496,762 326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Operating Expenses Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	165,047 119,731 0.8 - 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	163,759 139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	181,013 126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	187,059 169,331 6.6 - 173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
272,282 696,877 554,231 (6.9) 545,291 15,941 7,453 46.8 8,488 (113.0) FY19 1	2 296,788 762,718 644,536 9 16.3 325,149 335,300 309,236 100,502 3 32.5 208,735 2,359.1 FY20E	326,467 837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Operating Profit YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	119,731 0.8 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	139,049 (30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	126,250 7.4 - 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	169,331 6.6 173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
696,877 554,231 (6.9) 545,291 538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	7 762,718 644,536 0 16.3 325,149 335,300 309,236 3 100,502 3 32.5 2 208,735 2 2,359.1 FY20E	837,844 735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	YoY growth (%) Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	0.8 130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	(30.5) - 101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	7.4 139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	6.6 173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
554,231 (6.9) 545,291 538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	644,536) 16.3 325,149 335,300 309,236 3 100,502 3 32.5 3 208,735 2,359.1 FY20E	735,158 14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	Core Operating Profits NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	130,379 192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	101,845 120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	139,708 60,062 60,062 66,187 26,639 39,548 (263.7)	173,358 165,019 165,019 4,312 (4,072) 8,384 (110.9)
(6.9) 545,291 538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	16.3 325,149 335,300 309,236 3 100,502 3 32.5 3 208,735 2 2,359.1 FY20E	14.1 287,409 298,962 436,196 141,764 32.5 294,433 41.1	NPA Provision Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	60,062 60,062 66,187 26,639 39,548 (263.7)	165,019 165,019 4,312 (4,072) 8,384 (110.9)
545,291 538,291 15,941 7,453 <i>46.8</i> 8,488 <i>(113.0)</i> FY19 1 8,925	325,149 335,300 309,236 3 100,502 3 32.5 3 208,735) 2,359.1 FY20E	287,409 298,962 436,196 141,764 32.5 294,433 41.1	Others Provisions Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	192,283 192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	120,922 120,922 18,127 8,678 9,449 (40.2) 28,074,201	60,062 60,062 66,187 26,639 39,548 (263.7)	165,019 165,019 4,312 (4,072) 8,384 (110.9)
538,291 15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	335,300 309,236 3 100,502 3 32.5 3 208,735 0 2,359.1 FY20E	298,962 436,196 141,764 32.5 294,433 41.1	Total Provisions Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	192,283 (72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	120,922 18,127 8,678 9,449 (40.2) 28,074,201	60,062 66,187 26,639 39,548 (263.7)	165,019 4,312 (4,072) 8,384 (110.9)
15,941 7,453 46.8 8,488 (113.0) FY19 1 8,925	309,236 3 100,502 3 32.5 3 208,735 0 2,359.1 FY20E	436,196 141,764 32.5 294,433 41.1	Profit Before Tax Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	(72,551) (23,793) (48,759) (343.1) 27,478,132 5.6	18,127 8,678 9,449 (40.2) 28,074,201	66,187 26,639 39,548 (263.7)	4,312 (4,072) 8,384 (110.9)
7,453 46.8 8,488 (113.0) FY19 1 8,925	3 100,502 3 32.5 3 208,735 2,359.1 FY20E	141,764 32.5 294,433 41.1	Tax PAT YoY growth (%) Deposits YoY growth (%) Advances	(23,793) (48,759) (343.1) 27,478,132 5.6	8,678 9,449 (40.2) 28,074,201	26,639 39,548 (263.7)	(4,072) 8,384 (110.9)
46.8 8,488 (113.0) FY19 1 8,925	3 32.5 3 208,735 2,359.1 FY20E	32.5 294,433 41.1 FY21E	PAT YoY growth (%) Deposits YoY growth (%) Advances	(48,759) (343.1) 27,478,132 5.6	9,449 (40.2) 28,074,201	39,548 (263.7)	8,384 (110.9)
8,488 (113.0) FY19 1 8,925	208,735 2,359.1 FY20E	294,433 41.1 FY21E	YoY growth (%) Deposits YoY growth (%) Advances	(343.1) 27,478,132 5.6	(40.2) 28,074,201	(263.7)	(110.9)
(113.0) FY19 1 8,925	2,359.1 FY20E	41.1 FY21E	Deposits YoY growth (%) Advances	27,478,132 5.6	28,074,201	, ,	. ,
FY19 1 8,925	FY20E	FY21E	YoY growth (%) Advances	5.6		28,305,377	
1 8,925	1		Advances				29,113,860
1 8,925	1			18,/5/,/35	7.0	6.8	7.6
8,925		1		4.0	19,573,396		21,858,769
	8,925		YoY growth (%)	4.0	8.6	12.1	13.0
	,	8,925	Key Ratios				
8,925	8,925	8,925	Y/e Mar	F	Y18 FY	19 FY20E	FY21E
2,209,138	2,417,873	2,680,016	CMP (Rs)		308 30	08 308	308
0.8	9.4	10.8	EPS (Rs)	(7.3) 1	.0 23.4	33.0
658,947	581,295	537,610	Book Value (Rs)		223 23	25 248	277
9,113,860	31,442,969	34,272,836	Adj. BV (70%)(Rs)		127 10	64 193	225
7.6	8.0	9.0	P/E (x)	(4	2.0) 323	3.9 13.2	9.3
2,872,850	13,866,349	15,182,866	P/BV (x)		1.4 1	.4 1.2	1.1
44.2	44.1	44.3	P/ABV (x)		2.4 1	.9 1.6	1.4
6,809,143	39,811,946	43,429,239	DPS (Rs)		0.5		3.0
1,858,769	24,591,115	27,665,005	Dividend Payout Ratio (%)	(6.5)		9.1
13.0	12.5	12.5	Dividend Yield (%)		0.2		1.0
9,670,220	9,500,567	9,539,497	Efficiency				
6,809,143	39,811,946	43,429,239			/40 EV	10 EV20E	EV24E
6.5	8.2	9.1	Y/e Mar		/18 FY		
			Cost-Income Ratio (%)			5.7 54.2	
FY19	FY20F	FY21F	C-D Ratio (%)			5.1 78.2 20 260	
				•			
			,	2.0			
			, , ,	۷,۱			
			Profit per Branch (KS III)		(4)	U 12	2 17
			Du-Pont				
07.8	02.9	04.5	Y/e Mar	F	Y18 FY1	19 FY20E	FY21E
			NII		2.39 2.6	69 2.88	3.02
FY19	FY20E	FY21E	Total Income	3	3.82 3.8	31 4.01	4.15
	2.9	3.0	Operating Expenses	1	.91 2.1	12 2.18	2.21
2.7	0.5	0.7	PPoP	1	.90 1.6	69 1.84	1.94
	9.0	11.6	Total provisions	2	2.40 1.6	64 0.96	0.79
0.0		9.5	RoAA	(0	21) 0.0	0.60	0.78
0.0 0.4	9.6			/2	45) n 4	43 9.89	12.55
	1,727,480 658,947 7.9 3.0 61.9 FY19 2.7 0.0	2.7 2.9 0.0 0.5 0.4 9.0	1,727,480 1,568,935 1,516,366 658,947 581,295 537,610 7.9 6.4 5.5 3.0 2.4 1.9 61.9 62.9 64.5 FY19 FY20E FY21E 2.7 2.9 3.0 0.0 0.5 0.7 0.4 9.0 11.6 10.7 9.6 9.5	1,727,480 1,568,935 1,516,366 Profit per Emp. (Rs lacs) 658,947 581,295 537,610 Business per Branch (Rs m) 7.9 6.4 5.5 Profit per Branch (Rs m) 3.0 2.4 1.9 61.9 62.9 64.5 Du-Pont Y/e Mar NII	1,727,480 1,568,935 1,516,366 Profit per Emp. (Rs lacs) 658,947 581,295 537,610 Business per Branch (Rs m) 7.9 6.4 5.5 Profit per Branch (Rs m) 3.0 2.4 1.9 61.9 62.9 64.5 Total Income	1,727,480 1,568,935 1,516,366 Profit per Emp. (Rs lacs) (3) 658,947 581,295 537,610 Business per Branch (Rs m) 2,687 2,93 7.9 6.4 5.5 Profit per Branch (Rs m) (4) 3.0 2.4 1.9 61.9 62.9 64.5 Du-Pont Y/e Mar FY18 FY18	1,727,480 1,568,935 1,516,366 Profit per Emp. (Rs lacs) (3) 0 10 658,947 581,295 537,610 Business per Branch (Rs m) 2,687 2,935 3,207 7.9 6.4 5.5 Profit per Branch (Rs m) (4) 0 12 3.0 2.4 1.9 Du-Pont Y/e Mar FY18 FY19 FY20E NII 2.39 2.69 2.88 FY19 FY20E FY21E Total Income 3.82 3.81 4.01 2.7 2.9 3.0 Operating Expenses 1.91 2.12 2.18 0.0 0.5 0.7 PPoP 1.90 1.69 1.84 0.4 9.0 11.6 Total provisions 2.40 1.64 0.96 10.7 9.6 9.5 ROAA (0.21) 0.03 0.60





Analyst Coverage Universe

Sr. No.	CompanyName	Rating	TP (Rs)	Share Price (Rs)
1	Axis Bank	Accumulate	837	741
2	Bank of Baroda	BUY	161	114
3	Bank of India	Reduce	89	106
4	Federal Bank	BUY	112	98
5	HDFC Bank	BUY	2,700	2,293
6	HDFC Standard Life Insurance Company	BUY	465	399
7	ICICI Bank	BUY	475	401
8	ICICI Prudential Life Insurance Company	BUY	511	368
9	IDFC First Bank	BUY	57	43
10	IndusInd Bank	BUY	1,791	1,768
11	Jammu & Kashmir Bank	BUY	76	59
12	Kotak Mahindra Bank	Hold	1,385	1,387
13	Max Financial Services	BUY	629	439
14	Punjab National Bank	Hold	83	73
15	SBI Life Insurance Company	BUY	779	612
16	South Indian Bank	BUY	22	18
17	State Bank of India	BUY	361	317
18	Union Bank of India	Reduce	79	93
19	YES Bank	Reduce	190	238

PL's Recommendation Nomenclature (Absolute Performance)

 Buy
 : > 15%

 Accumulate
 : 5% to 15%

 Hold
 : +5% to -5%

 Reduce
 : -5% to -15%

 Sell
 : < -15%</td>

Not Rated (NR) : No specific call on the stock
Under Review (UR) : Rating likely to change shortly



ANALYST CERTIFICATION

(Indian Clients)

We/l, Ms. Pritesh Bumb- MBA, M.com, Mr. Prabal Gandhi- BTech, CFA Level II Research Analysts, authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report.

(US Clients)

The research analysts, 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 related to the specific recommendation or views expressed in this research report.

DISCLAIMER

Indian Clients

Prabhudas Lilladher Pvt. Ltd, Mumbai, India (hereinafter referred to as "PL") is engaged in the business of Stock Broking, Portfolio Manager, Depository Participant and distribution for third party financial products. PL is a subsidiary of Prabhudas Lilladher Advisory Services Pvt Ltd. which has its various subsidiaries engaged in business of commodity broking, investment banking, financial services (margin funding) and distribution of third party financial/other products, details in respect of which are available at www.plindia.com.

This document has been prepared by the Research Division of PL and is meant for use by the recipient only as information and is not for circulation. This document is not to be reported or copied or made available to others without prior permission of PL. It should not be considered or taken as an offer to sell or a solicitation to buy or sell any security.

The information contained in this report has been obtained from sources that are considered to be reliable. However, PL has not independently verified the accuracy or completeness of the same. Neither PL nor any of its affiliates, its directors or its employees accepts any responsibility of whatsoever nature for the information, statements and opinion given, made available or expressed herein or for any omission therein.

Recipients of this report should be aware that past performance is not necessarily a guide to future performance and value of investments can go down as well. The suitability or otherwise of any investments will depend upon the recipient's particular circumstances and, in case of doubt, advice should be sought from an independent expert/advisor.

Either PL or its affiliates or its directors or its employees or its representatives or its clients or their relatives may have position(s), make market, act as principal or engage in transactions of securities of companies referred to in this report and they may have used the research material prior to publication.

PL may from time to time solicit or perform investment banking or other services for any company mentioned in this document.

PL is in the process of applying for certificate of registration as Research Analyst under Securities and Exchange Board of India (Research Analysts) Regulations, 2014

PL submits that no material disciplinary action has been taken on us by any Regulatory Authority impacting Equity Research Analysis activities.

PL or its research analysts or its associates or his relatives do not have any financial interest in the subject company.

PL or its research analysts or its associates or his relatives do not have actual/beneficial ownership of one per cent or more securities of the subject company at the end of the month immediately preceding the date of publication of the research report.

PL or its research analysts or its associates or his relatives do not have any material conflict of interest at the time of publication of the research report.

PL or its associates might have received compensation from the subject company in the past twelve months

PL or its associates might have managed or co-managed public offering of securities for the subject company in the past twelve months or mandated by the subject company for any other assignment in the past twelve months.

PL or its associates might have received any compensation for investment banking or merchant banking or brokerage services from the subject company in the past twelve months.

PL or its associates might have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past twelve months

PL or its associates might have received any compensation or other benefits from the subject company or third party in connection with the research report.

PL encourages independence in research report preparation and strives to minimize conflict in preparation of research report. PL or its analysts did not receive any compensation or other benefits from the subject Company or third party in connection with the preparation of the research report. PL or its Research Analysts do not have any material conflict of interest at the time of publication of this report.

It is confirmed that Ms. Pritesh Bumb- MBA, M.com, Mr. Prabal Gandhi- BTech, CFA Level II Research Analysts of this report have not received any compensation from the companies mentioned in the report in the preceding twelve months

Compensation of our Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions.

The Research analysts for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

The research analysts for this report has not served as an officer, director or employee of the subject company PL or its research analysts have not engaged in market making activity for the subject company

Our sales people, traders, and other professionals or affiliates may provide oral or written market commentary or trading strategies to our clients that reflect opinions that are contrary to the opinions expressed herein, and our proprietary trading and investing businesses may make investment decisions that are inconsistent with the recommendations expressed herein. In reviewing these materials, you should be aware that any or all o the foregoing, among other things, may give rise to real or potential conflicts of interest.

PL and its associates, 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 subject company 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 subject company or act as an advisor or lender/borrower to the subject company or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.

US Clients

This research report is a product of Prabhudas Lilladher Pvt. Ltd., 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 Prabhudas Lilladher Pvt. Ltd. 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, which is not the Major Institutional Investor.

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, Prabhudas Lilladher Pvt. Ltd. has entered into an agreement with a U.S. registered broker-dealer, 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.

Prabhudas Lilladher Pvt. Ltd.

May 10, 2019