

10 July 2018

IndusInd Bank

Burly business momentum continues; retaining a Buy

Strong traction in IIB's balance sheet continues. We note better headline asset quality parameters and are sanguine about its loan-growth prospects over FY19-20. The strategic BHAFIN deal would be synergistic in the medium term. We maintain our Buy recommendation.

Asset quality improves. Slippages eased to ~1.26% of IIB's loan book (down 83bps y/y, 111bps q/q) and credit cost softened to 55bps (a many-quarter low). Ahead, we expect the bank to maintain its stable asset quality over FY19-20 due to overall improvement in the rating profile of its corporate book and declining risk weightings of its vehicle-finance book.

Credit growth maintained. The loan book grew 29.4% y/y, driven by secular growth across all segments, led by corporate (up 30% y/y), vehicle and retail (both up ~28% y/y). We expect ~26% loan growth in the medium term. Growth would be primarily driven through the focus on the retail portfolio, as management intends to rebalance the corporate- and retail-book ratio to 50:50 (from 60:40).

NIM to be resilient in the medium term. NIM was ~3.92%, down 5bps sequentially, on account of a sharp increase in the cost of funds (up 35bps sequentially). Nevertheless, we expect NIM to be resilient at current levels on the back of the strong CASA franchise (43.4%) and an increase in the share of the retail portfolio (not accounting for the BHAFIN synergies).

Valuation. Our Jul'19 target of ₹2,248 is based on the two-stage DDM model. This implies a ~4.15x P/ABV multiple on its FY20e book. **Risks:** Lumpy slippages from the corporate book; any significant negative surprises on asset quality from the microfinance book, post-merger.

Key financials (YE Mar)	FY16	FY17	FY18	FY19e	FY20e
Net interest income (₹ m)	45,166	60,626	74,974	96,512	1,21,961
Pre-provisioning profit (₹ m)	41,414	54,510	66,561	83,548	1,03,419
Provisions (₹ m)	6,722	10,913	11,754	11,950	13,436
PAT (₹ m)	22,864	28,679	36,060	46,897	58,939
EPS (₹)	38	48	60	78	98
NIM (%)	3.9	4.1	4.0	4.0	4.0
Cost-Income (%)	47	47	46	45	45
RoE (%)	16.2	15.0	16.2	18.1	19.3
RoA (%)	1.8	1.8	1.8	1.9	1.9
Advances growth (%)	28.5	27.9	28.2	26.0	26.0
GNPA (%)	0.9	0.9	1.2	1.1	1.0
CAR (%)	15.5	15.3	15.0	14.7	14.2
P / E (x)	50.2	40.3	32.1	24.7	19.7
P / BV (x)	6.5	5.6	4.9	4.1	3.5
P / ABV (x)	6.6	5.7	5.0	4.2	3.6

Source: Company, Anand Rath Research

Anand Rath Share and Stock Brokers Limited (hereinafter "ARSSBL") is a full-service brokerage and equities-research firm and the views expressed therein are solely of ARSSBL and not of the companies which have been covered in the Research Report. This report is intended for the sole use of the Recipient. Disclosures and analyst certifications are present in the Appendix.

Rating: **Buy**

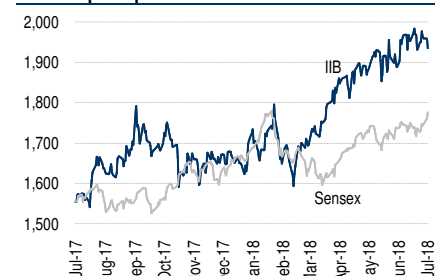
Target Price: ₹2,248

Share Price: ₹1,930

Key data	IIB IN / INBK.BO
52-week high / low	₹1,995 / 1,526
Sensex / Nifty	36240 / 10947
3-m average volume	\$29.4m
Market cap	₹1162bn / \$16883m
Shares outstanding	600m

Shareholding pattern (%)	Mar '18	Dec '17	Sep '17
Promoters	16.8	16.8	16.8
- of which, Pledged	26.5	26.5	26.6
Free float	83.2	83.2	83.2
- Foreign institutions	52.1	49.9	48.3
- Domestic institutions	11.2	12.9	14.1
- Public	19.9	20.4	20.9

Relative price performance



Source: Bloomberg

Yuvraj Choudhary
Research Analyst

Aurella Machado
Research Associate

Quick Glance – Financials and Valuations

Fig 1 – Income statement (₹ m)

Year-end: Mar	FY16	FY17	FY18	FY19e	FY20e
Net interest income	45,166	60,626	74,974	96,512	1,21,961
NII growth (%)	32.1	34.2	23.7	28.7	26.4
Non-interest income	32,969	41,715	47,501	55,429	65,762
Income	78,135	1,02,341	1,22,475	1,51,941	1,87,724
Income growth (%)	34.2	31.0	19.7	24.1	23.6
Operating expenses	36,721	47,831	55,914	68,393	84,305
PPOP	41,414	54,510	66,561	83,548	1,03,419
PPOP growth (%)	33.7	31.6	22.1	25.5	23.8
Provisions	6,722	10,913	11,754	11,950	13,436
PBT	34,693	43,597	54,807	71,598	89,983
Tax	11,828	14,918	18,747	24,701	31,044
PAT	22,864	28,679	36,060	46,897	58,939
PAT growth (%)	27.5	25.4	25.7	30.1	25.7
FDEPS (₹ /sh)	38.4	47.9	60.1	78.1	98.2
DPS (₹ /sh)	5.9	6.0	7.5	9.8	12.3

Source: Company, Anand Rathi Research

Fig 2 – Balance sheet (₹ m)

Year-end: Mar	FY16	FY17	FY18	FY19e	FY20e
Share capital	5,950	5,981	6,002	6,002	6,002
Reserves & surplus	1,70,872	2,00,328	2,32,268	2,73,303	3,24,874
Deposits	9,30,003	12,65,722	15,16,392	18,65,162	22,94,149
Borrowings	2,21,559	2,24,537	3,82,891	4,59,469	5,39,876
Minority interests	0	0	0	0	0
Total liabilities	14,00,570	17,86,484	22,16,262	27,15,615	33,37,426
Advances	8,84,193	11,30,805	14,49,537	18,26,416	23,01,284
Investments	3,12,143	3,67,021	5,00,767	6,00,921	7,21,105
Cash & bank bal	45,210	77,487	1,09,624	1,22,779	1,37,512
Fixed & other assets	12,553	13,352	13,398	14,067	14,771
Total assets	14,00,570	17,86,484	22,16,272	27,15,615	33,37,426
No. of shares (m)	595	598	600	600	600
Deposits growth (%)	25.4	36.1	19.8	23.0	23.0
Advances growth (%)	28.5	27.9	28.2	26.0	26.0

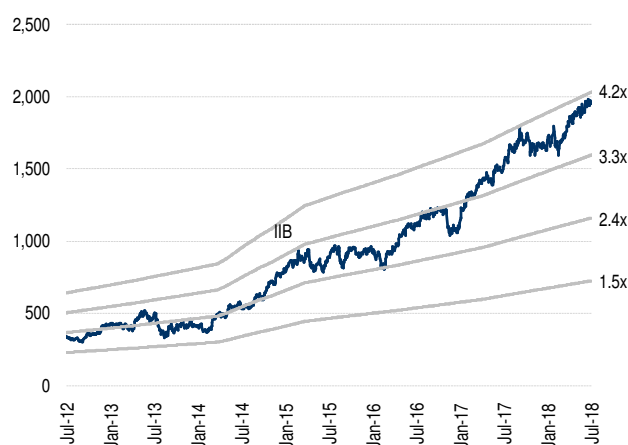
Source: Company, Anand Rathi Research

Fig 3 – Ratio analysis

Year-end: Mar	FY16	FY17	FY18	FY19e	FY20e
NIM	3.9	4.1	4.0	4.0	4.0
Other inc. / total inc.	42.2	40.8	38.8	36.5	35.0
Cost-income	47.0	46.7	45.7	45.0	44.9
Provision coverage	58.6	58.4	56.3	58.5	59.4
Dividend payout	15.4	12.5	12.5	12.5	12.5
Credit-deposit	95.1	89.3	95.6	97.9	100.3
Investment-deposit	33.6	29.0	33.0	32.2	31.4
Gross NPA	0.9	0.9	1.2	1.1	1.0
Net NPA	0.4	0.4	0.5	0.5	0.4
BV (₹)	297.2	344.9	397.0	465.3	551.3
Adj. BV (₹)	293.4	339.8	388.3	455.8	540.8
CAR (%)	15.5	15.3	15.0	14.7	14.2
- Tier 1	14.9	14.7	14.6	14.1	13.6
RoE	16.2	15.0	16.2	18.1	19.3
RoA	1.8	1.8	1.8	1.9	1.9

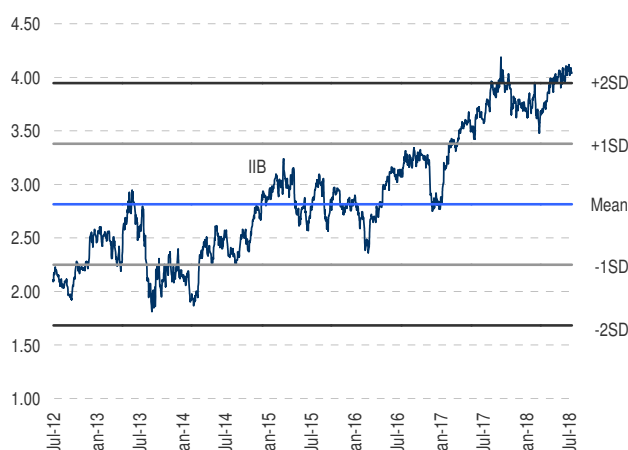
Source: Company, Anand Rathi Research

Fig 4 – Price-to-Book band



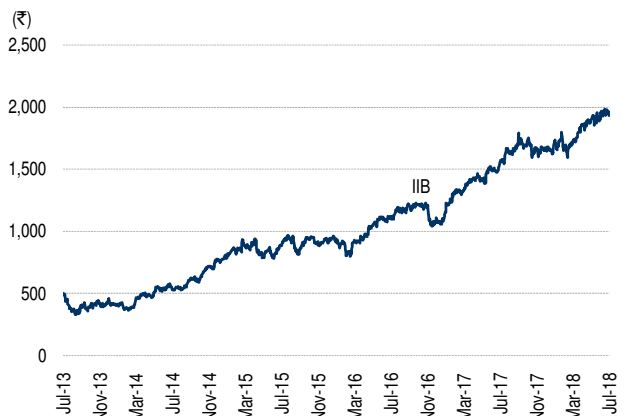
Source: Bloomberg

Fig 5 – One-year-forward price-to-book value



Source: Company, Anand Rathi Research

Fig 6 – Price movement



Source: Bloomberg

Key Highlights

Asset quality

- We expect slippages to ease from current levels on account of the
 - a) negligible restructured book (5bps of the total book),
 - b) low SMA2 and
 - c) downtick in the weighted-average risk score for the vehicle-finance portfolio (1.77 for Jun'18 down from 1.85 in Sep'16).
- Management expects credit cost for FY19 to come at ~50-60bps.

Fig 7 – Segment-wise results

	FY16	FY17				FY18				FY19
Break-up of GNPA (₹ m)	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Opening balance	6,810	7,770	8,610	8,990	9,710	10,550	12,720	13,460	14,990	17,050
Slippages	2,740	2,530	2,610	2,810	6,340	6,080	4,980	4,080	8,600	4,750
Gross-slippage ratio (%)	0.31	0.27	0.26	0.27	0.56	0.52	0.40	0.32	0.59	0.32
Reductions	1,780	1,690	2,230	2,090	5,500	3,910	4,240	2,550	6,540	4,390
Closing balance	7,770	8,610	8,990	9,710	10,550	12,720	13,460	14,990	17,050	17,410
Total GNPA	7,768	8,606	8,990	9,716	10,549	12,717	13,453	14,987	17,049	17,406
GNPA (%)	0.87	0.91	0.90	0.94	0.93	1.09	1.08	1.16	1.17	1.15
NNPA (%)	0.36	0.38	0.37	0.39	0.39	0.44	0.44	0.46	0.51	0.51

Source: Company, Anand Rathi Research

Fig 8 – Segment-wise results

	FY16	FY17				FY18				FY19
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Gross NPA - Segment wise - Consumer Finance (%)										
Commercial Vehicles	1.00	1.08	1.07	1.02	0.97	1.12	1.02	0.93	0.99	0.91
Utility Vehicles	1.21	1.27	1.17	1.07	1.12	1.42	1.37	1.25	1.28	1.38
Construction Equipment	1.26	1.39	1.40	1.24	1.18	1.07	0.97	1.06	1.07	0.88
Small CVs	0.98	1.05	0.97	0.83	0.90	1.33	1.10	1.22	1.27	1.09
2-wheelers	3.02	3.15	3.62	3.60	3.52	3.55	3.55	3.78	3.81	3.67
Cars	0.50	0.49	0.49	0.75	0.66	0.74	0.68	0.62	0.67	0.69
LAP / HL/PL	0.65	0.68	0.71	0.81	0.87	1.02	0.37	0.56	0.59	0.39
Tractors	-	0.24	0.49	0.28	0.37	0.85	1.06	1.15	1.29	1.20
Cards	1.45	1.73	1.68	1.62	1.34	1.21	1.48	1.65	1.61	1.77
Total	1.08	1.14	1.17	1.16	1.12	1.25	1.19	1.10	1.13	1.04

Source: Company, Anand Rathi Research

Fig 9 – Segment-wise results

	FY16	FY17					FY18				FY19
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
NPA - Corporate (%)											
GNPA	0.74	0.76	0.73	0.79	0.81	0.98	1.12	1.21	1.20	1.23	
Slippages	0.85	0.70	0.51	0.75	2.87	2.03	1.55	0.75	2.46	0.92	
Credit cost	0.56	0.48	0.52	0.51	1.17	0.62	0.76	0.39	0.67	0.35	

Source: Company, Anand Rathi Research

Core fee income

“Other income” clocked a strong ~32% CAGR over FY08-18; now, it constitutes ~38% of income. In the quarter, it rose ~12% y/y despite a ~29% drop in trading income. We expect the growth momentum in core fee income to be in line with balance-sheet growth over FY19-20.

Fig 10 – Segment-wise results

Fee income (₹ m)	FY16	FY17				FY18				FY19
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
General banking fees	483	555	494	637	630	640	650	700	650	800
Processing Fee	2,280	2,151	2,015	1,946	2,430	1,960	2,140	2,420	2,280	2,300
FX	1,401	1,510	1,556	1,793	1,700	1,980	1,830	2,020	1,970	2,280
Insurance	1,384	1,367	1,558	1,812	2,410	2,100	2,370	2,560	2,730	2,780
Investment banking	1,222	1,143	1,608	1,599	1,590	1,750	1,860	1,800	1,970	2,080
Trade & remittances	973	1,093	1,025	1,061	1,200	1,310	1,280	1,270	1,530	1,410
Total	7,742	7,819	8,256	8,848	9,960	9,740	10,130	10,770	11,130	11,650

Source: Company, Anand Rathi Research

Loan book

- The corporate book was largely driven by capturing market-share from PSBs, refinancing four NCLT accounts and working-capital loans to better-rated corporate bodies.
- Although management intends to increase the proportion of the consumer book, it would not slow down growth in corporate loans and would pursue growth if opportunities in better-rated corporate bodies are available.
- ~45% of the book is under MCLR, and ~60% of corporate book is under MCLR.

Fig 11 – Break-up of advances

(₹ %)	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	Q1FY19
Corporate and commercial banking (CCB)	55.0	59.6	55.6	50.8	49.5	55.0	58.7	58.7	59.7	60.5	60.0
Corporate banking	42.5	50.7	45.5	42.3	41.3	45.0	45.7	47.4	47.5	48.3	47.5
Small Business	12.5	8.9	10.1	8.5	8.1	10.1	13.0	11.3	12.3	12.3	12.6
Consumer finance division (CFD)	45.0	40.4	44.4	49.2	50.5	45.0	41.3	41.3	40.3	39.5	40.0
Commercial vehicles	26.4	24.0	21.8	23.6	22.5	17.4	15.4	15.9	13.8	13.7	13.7
Equipment financing	5.9	5.5	5.7	6.1	6.1	5.2	4.1	3.7	3.6	3.8	4.0
Two wheelers	5.5	4.4	4.3	4.3	4.3	4.6	4.1	3.4	2.9	2.5	2.5
Car loans	3.2	2.3	3.2	4.0	4.6	4.8	4.6	4.4	4.1	3.7	3.7
Utility vehicles + 3W	2.7	3.4	8.5	9.0	8.8	7.2	5.6	6.5	5.8	5.6	5.7
Home loans + LAP	1.1	0.8	0.9	1.6	3.4	4.9	6.5	5.9	6.2	5.5	5.4
Personal loans + Credit cards	0.2	-	-	0.7	0.8	0.8	1.0	1.4	3.8	4.7	4.9
Total	100	100	100	100	100	100	100	100	100	100	100.0

Source: Company, Anand Rathi Research

Quarterly snapshot

Fig 12 – Income statement

	FY17		FY18				FY19
(₹ m)	Q3	Q4	Q3	Q4	Q3	Q4	Q1
Interest income	36,993	38,300	41,355	42,084	42,868	46,501	50,682
Interest expense	21,209	21,626	23,615	23,874	23,920	26,425	29,457
NII	15,784	16,675	17,741	18,210	18,948	20,076	21,224
Y/Y growth (%)	34.5	31.5	30.8	24.7	20.0	20.4	19.6
Non-interest income	10,168	12,113	11,673	11,876	11,868	12,085	13,016
Trading profits	1,320	2,150	1,930	1,750	1,100	950	1,370
Total Income	25,952	28,788	29,413	30,086	30,816	32,161	34,240
Y/Y growth (%)	29.0	32.0	26.3	23.8	18.7	11.7	16.4
Operating expenses	12,319	13,065	13,528	13,751	14,169	14,467	15,129
Of which staff cost	3,940	3,943	4,222	4,450	4,600	4,535	4,620
PPOP	13,633	15,722	15,885	16,335	16,647	17,694	19,111
Y/Y growth (%)	28.5	36.6	28.8	27.5	22.1	12.5	20.3
Total provisions	2,169	4,301	3,100	2,938	2,362	3,356	3,500
PBT	11,465	11,421	12,786	13,398	14,285	14,338	15,611
Tax	3,959	3,905	4,420	4,597	4,923	4,808	5,254
PAT	7,506	7,516	8,365	8,801	9,363	9,531	10,357
Y/Y growth (%)	29.2	21.2	26.5	25.0	24.7	26.8	23.8

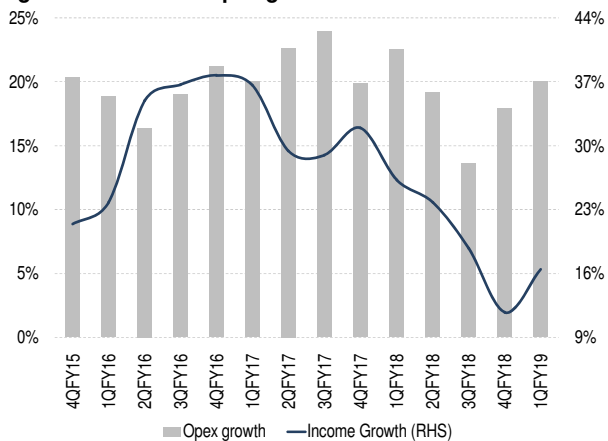
Source: Company, Anand Rathi Research

Fig 13 – Balance sheet

	FY17		FY18				FY19
(₹ m)	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Equity capital	5,970	5,982	5,990	5,989	6,000	6,002	6,002
Reserves & Surplus	1,92,860	2,00,480	2,09,020	2,13,727	2,23,400	2,32,414	2,43,210
Deposits	11,92,180	12,65,722	13,36,730	14,14,406	14,60,860	15,16,392	15,88,620
Borrowings	2,03,030	2,24,537	2,74,040	2,35,577	2,33,670	3,82,891	3,70,400
Other Liabilities	76,980	89,764	80,720	80,619	83,090	78,563	80,560
Equity and Liabilities	16,71,020	17,86,484	19,06,500	19,50,317	20,07,020	22,16,262	22,88,792
Deposits y/y growth (%)	37.9	36.1	31.4	25.9	22.5	19.8	18.8
Deposits q/q growth (%)	6.1	6.2	5.6	5.8	3.3	3.8	4.8
Assets							
Cash and cash balances	1,81,400	1,86,283	2,01,690	1,83,087	1,35,880	1,32,159	1,19,900
Advances	10,27,700	11,30,805	11,64,070	12,31,808	12,85,420	14,49,537	15,06,750
Investments	3,52,740	3,67,021	4,21,470	4,21,459	4,61,710	5,00,767	5,26,730
Other assets	1,09,180	1,02,375	1,19,270	1,13,962	1,24,020	1,33,809	1,35,410
Total Assets	16,71,020	17,86,484	19,06,500	19,50,317	20,07,020	22,16,262	22,88,790
Advances y/y growth (%)	25.1	27.9	24.3	24.5	25.1	28.2	29.4
Advances q/q growth (%)	3.9	10.0	2.9	5.8	4.4	12.8	3.9

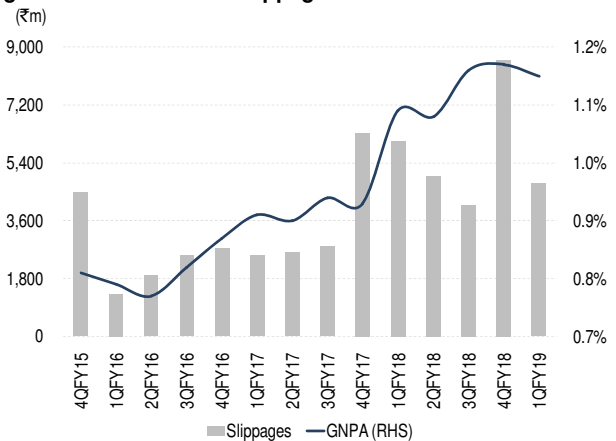
Source: Company, Anand Rathi Research

Fig 14 – Income vs. Opex growth



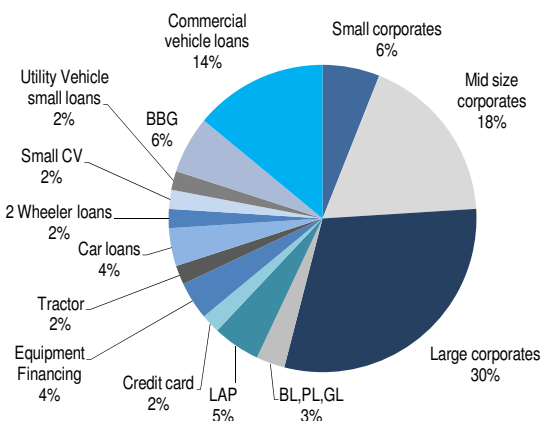
Source: Company, Anand Rathi Research

Fig 15 – Gross NPA and slippages



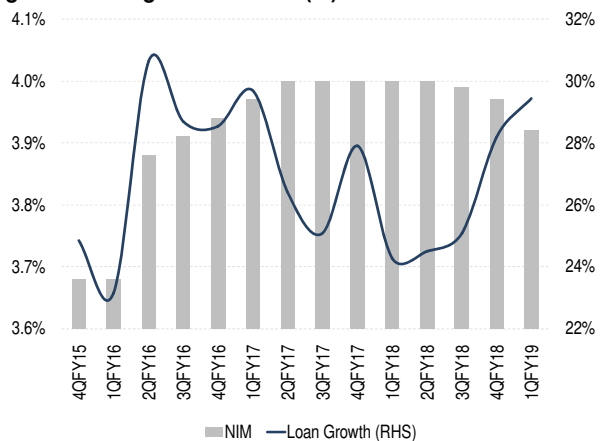
Source: Company, Anand Rathi Research

Fig 16 – Loan break-up



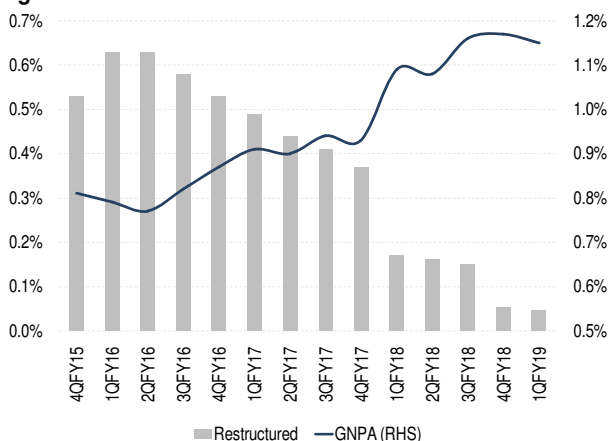
Source: Company, Anand Rathi Research

Fig 17 – Credit growth vs. NIM (%)



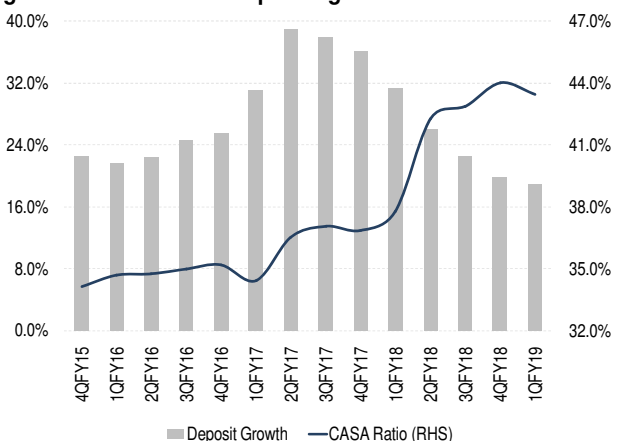
Source: Company, Anand Rathi Research

Fig 18 – Restructured assets vs. GNPA



Source: Company, Anand Rathi Research

Fig 19 – CASA ratio vs. Deposits growth



Source: Company, Anand Rathi Research

Valuation

- Our Jul'19 target of ₹2,248 is based on the two-stage DDM model. This implies a ~4.15x P/ABV multiple on its FY20e book.
- On the maturing of branches, CASA is likely to get a fillip, leading to lower cost of funding. Thus, there is further headroom for NIM expansion.

Risks

- Lumpy slippages from the corporate book. Though unexpected, these would affect our forecasts.
- Any significant negative surprises on asset quality from the microfinance book, post-merger.

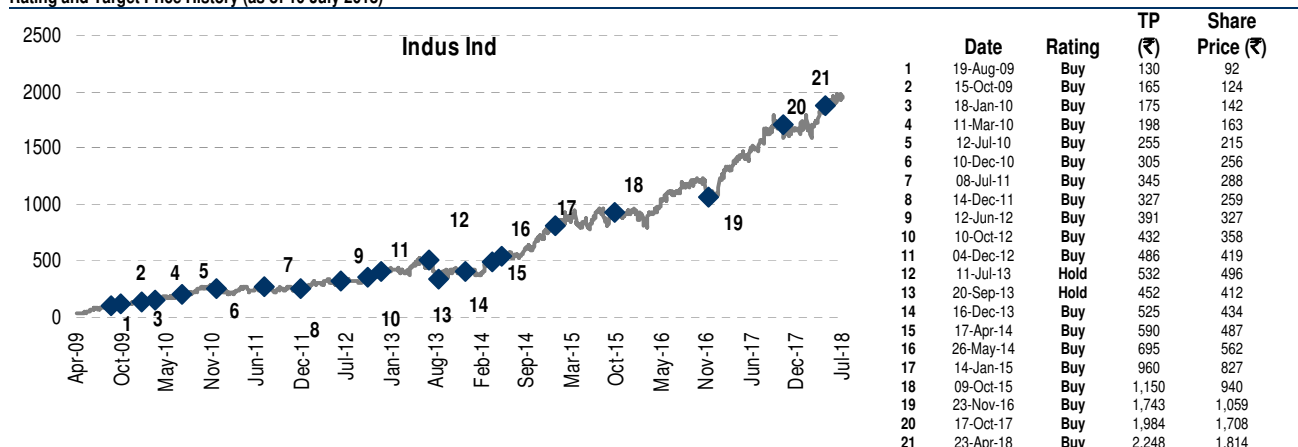
Appendix

Analyst Certification

The views expressed in this Research Report accurately reflect the personal views of the analyst(s) about the subject securities or issuers and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations or views expressed by the research analyst(s) in this report. The research analysts are bound by stringent internal regulations and also legal and statutory requirements of the Securities and Exchange Board of India (hereinafter "SEBI") and the analysts' compensation are completely delinked from all the other companies and/or entities of Anand Rathi, and have no bearing whatsoever on any recommendation that they have given in the Research Report.

Important Disclosures on subject companies

Rating and Target Price History (as of 10 July 2018)



Anand Rathi Ratings Definitions

Analysts' ratings and the corresponding expected returns take into account our definitions of Large Caps (>US\$1bn) and Mid/Small Caps (<US\$1bn) as described in the Ratings Table below:

Ratings Guide (12 months)

	Buy	Hold	Sell
Large Caps (>US\$1bn)	>15%	5-15%	<5%
Mid/Small Caps (<US\$1bn)	>25%	5-25%	<5%

Research Disclaimer and Disclosure inter-alia as required under Securities and Exchange Board of India (Research Analysts) Regulations, 2014

Anand Rathi Share and Stock Brokers Ltd. (hereinafter refer as ARSSBL) (Research Entity) is a subsidiary of Anand Rathi Financial Services Ltd. ARSSBL is a corporate trading and clearing member of Bombay Stock Exchange Ltd, National Stock Exchange of India Ltd. (NSEIL), Multi Stock Exchange of India Ltd (MCX-SX) and also depository participant with National Securities Depository Ltd (NSDL) and Central Depository Services Ltd. ARSSBL is engaged in the business of Stock Broking, Depository Participant and Mutual Fund distributor.

The research analysts, strategists, or research associates principally responsible for the preparation of Anand Rathi research have received compensation based upon various factors, including quality of research, investor client feedback, stock picking, competitive factors and firm revenues.

General Disclaimer: This Research Report (hereinafter called "Report") is meant solely for use by the recipient and is not for circulation. This Report does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. The recommendations, if any, made herein are expression of views and/or opinions and should not be deemed or construed to be neither advice for the purpose of purchase or sale of any security, derivatives or any other security through ARSSBL nor any solicitation or offering of any investment/trading opportunity on behalf of the issuer(s) of the respective security (ies) referred to herein. These information / opinions / views are not meant to serve as a professional investment guide for the readers. No action is solicited based upon the information provided herein. Recipients of this Report should rely on information/data arising out of their own investigations. Readers are advised to seek independent professional advice and arrive at an informed trading/investment decision before executing any trades or making any investments. This Report has been prepared on the basis of publicly available information, internally developed data and other sources believed by ARSSBL to be reliable. ARSSBL or its directors, employees, affiliates or representatives do not assume any responsibility for, or warrant the accuracy, completeness, adequacy and reliability of such information / opinions / views. While due care has been taken to ensure that the disclosures and opinions given are fair and reasonable, none of the directors, employees, affiliates or representatives of ARSSBL shall be liable for any direct, indirect, special, incidental, consequential, punitive or exemplary damages, including lost profits arising in any way whatsoever from the information / opinions / views contained in this Report. The price and value of the investments referred to in this Report and the income from them may go down as well as up, and investors may realize losses on any investments. Past performance is not a guide for future performance. ARSSBL does not provide tax advice to its clients, and all investors are strongly advised to consult with their tax advisers regarding taxation aspects of any potential investment.

Opinions expressed are our current opinions as of the date appearing on this Research only. We do not undertake to advise you as to any change of our views expressed in this Report. Research Report may differ between ARSSBL's RAs and/ or ARSSBL's associate companies on account of differences in research methodology, personal judgment and difference in time horizons for which recommendations are made. User should keep this risk in mind and not hold ARSSBL, its employees and associates responsible for any losses, damages of any type whatsoever.

ARSSBL and its associates or employees may; (a) from time to time, have long or short positions in, and buy or sell the investments in/ security of company (ies) mentioned herein or (b) be engaged in any other transaction involving such investments/ securities of company (ies) discussed herein or act as advisor or lender / borrower to such company (ies) these and other activities of ARSSBL and its associates or employees may not be construed as potential conflict of interest with respect to any recommendation and related information and opinions. Without limiting any of the foregoing, in no event shall ARSSBL and its associates or employees or any third party involved in, or related to computing or compiling the information have any liability for any damages of any kind.

Details of Associates of ARSSBL and Brief History of Disciplinary action by regulatory authorities & its associates are available on our website i.e. www.rathionline.com

Disclaimers in respect of jurisdiction: This report is not directed to, 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 or regulation or which would subject ARSSBL to any registration or licensing requirement within such jurisdiction(s). No action has been or will be taken by ARSSBL in any jurisdiction (other than India), where any action for such purpose(s) is required. Accordingly, this Report shall not be possessed, circulated and/or distributed in any such country or jurisdiction unless such action is in compliance with all applicable laws and regulations of such country or jurisdiction. ARSSBL requires such recipient to inform himself about and to observe any restrictions at his own expense, without any liability to ARSSBL. Any dispute arising out of this Report shall be subject to the exclusive jurisdiction of the Courts in India.

Statements on ownership and material conflicts of interest, compensation - ARSSBL and Associates

Answers to the Best of the knowledge and belief of ARSSBL/ its Associates/ Research Analyst who is preparing this report

ARSSBL/its Associates/ Research Analyst/ his Relative 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?	No
ARSSBL/its Associates/ Research Analyst/ his Relative have actual/beneficial ownership of one per cent or more securities of the subject company	No
ARSSBL/its Associates/ Research Analyst/ his Relative have any other material conflict of interest at the time of publication of the research report?	No
ARSSBL/its Associates/ Research Analyst/ his Relative have received any compensation from the subject company in the past twelve months	No
ARSSBL/its Associates/ Research Analyst/ his Relative have managed or co-managed public offering of securities for the subject company in the past twelve months	No
ARSSBL/its Associates/ Research Analyst/ his Relative have received any compensation for investment banking or merchant banking or brokerage services from the subject company in the past twelve months	No
ARSSBL/its Associates/ Research Analyst/ his Relative 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	No
ARSSBL/its Associates/ Research Analyst/ his Relative have received any compensation or other benefits from the subject company or third party in connection with the research report	No
ARSSBL/its Associates/ Research Analyst/ his Relative have served as an officer, director or employee of the subject company.	No

Other Disclosures pertaining to distribution of research in the United States of America

This research report is a product of ARSSBL, 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 ARSSBL 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, ARSSBL has entered into an agreement with a U.S. registered broker-dealer, Cabrera Capital Markets. ("Cabrera"). Transactions in securities discussed in this research report should be effected through Cabrera or another U.S. registered broker dealer.

1. ARSSBL or its Affiliates may or may not have been beneficial owners of the securities mentioned in this report.
2. ARSSBL or its affiliates may have or not managed or co-managed a public offering of the securities mentioned in the report in the past 12 months.
3. ARSSBL or its affiliates may have or not received compensation for investment banking services from the issuer of these securities in the past 12 months and do not expect to receive compensation for investment banking services from the issuer of these securities within the next three months.
4. However, one or more of ARSSBL or its Affiliates may, from time to time, have a long or short position in any of the securities mentioned herein and may buy or sell those securities or options thereon, either on their own account or on behalf of their clients.
5. As of the publication of this report, ARSSBL does not make a market in the subject securities.
6. ARSSBL or its Affiliates may or may not, to the extent permitted by law, act upon or use the above material or the conclusions stated above, or the research or analysis on which they are based before the material is published to recipients and from time to time, provide investment banking, investment management or other services for or solicit to seek to obtain investment banking, or other securities business from, any entity referred to in this report.

© 2018. This report is strictly confidential and is being furnished to you solely for your information. All material presented in this report, unless specifically indicated otherwise, is under copyright to ARSSBL. None of the material, its content, or any copy of such material or content, may be altered in any way, transmitted, copied or reproduced (in whole or in part) or redistributed in any form to any other party, without the prior express written permission of ARSSBL. All trademarks, service marks and logos used in this report are trademarks or service marks or registered trademarks or service marks of ARSSBL or its affiliates, unless specifically mentioned otherwise.

Additional information on recommended securities/instruments is available on request.

ARSSBL registered address: 4th Floor, Silver Metropolis, Jaicoach Compound, Opposite Bimbisar Nagar, Goregaon (East), Mumbai - 400 063.
Tel No: +91 22 4001 3700 | Fax No: +91 22 4001 3770 | CIN: U67120MH1991PLC064106.