# Systematix Institutional Equities

19 October 2023

RESULT UPDATE						
Sector: Banks	Rating: BUY					
CMP: Rs 1,421	Target Price: Rs 1,640					
Stock Info						
Sensex/Nifty	66,428/19,817					
Bloomberg	IIB IN					
Equity charge	776					

Equity shares	776mn
52-wk High/Low	Rs 1,475/ 90
Face value	Rs 10
M-Cap	Rs 1,110bn/ USD 13.4bn
3-m Avg value	USD 45mn

#### Financial Snapshot (Rs bn)

Y/E March	FY24E	FY25E	FY26E
NII	205	235	269
PPP	161	185	215
PAT	91	104	121
EPS (Rs)	117	135	156
EPS Gr. (%)	23	15	16
BV/Sh (Rs)	802	922	1,064
Adj. BV/Sh (Rs)	784	900	1,038
Ratios			
NIM (%)	4.4	4.4	4.4
C/I ratio (%)	46.1	46.0	45.1
RoA (%)	1.8	1.8	1.8
RoE (%)	15.6	15.6	15.7
Payout (%)	14.69	14.69	14.69
Valuations			
P/E (x)	12.13	10.56	9.09
P/BV (x)	1.77	1.54	1.34
P/Adj. BV (x)	1.81	1.58	1.37
Div. Yield (%)	1	1	2

### Shareholding pattern (%)

	Dec'22	Mar'23	Jun'23
Promoter	17	17	16
-Pledged	-	-	-
FII	45	42	42
DII	25	27	26
Others	14	15	15

### Stock Performance (1-year)



Manjith Nair manjithnair@systematixgroup.in +91 22 6704 8065

Pashmi Chheda pashmichheda@systematixgroup.in +91 22 6704 8063

Investors are advised to refer disclosures made at the end of the research report.

# **IndusInd Bank** Deposit mobilization remains key focal point

IndusInd Bank (IIB IN) reported 2QFY24 earnings of 22bn (+23% yoy/4% qoq) in-line with estimates of Rs.22.2bn with strong underlying growth in the consumer finance and small business loan segments. Key highlights for the quarter were: 1) advances growth of 21% yoy/4% gog was driven by consumer finance segment at 25% yoy/6.4% qoq and small business loans at 50% yoy/8% qoq. 2) deposit growth of +14% yoy, +4%qoq with CASA ratio declining a modest 55bps goq 3) NIM remained flattish qoq as 9bp qoq increase in cost of funds was largely offset by yield increase. NIM is guided to remain near the current levels of 4.2-4.3% over FY24. 4) Cost to income ratio (CIR) increased +100bps gog to 46.9% on account of higher employee additions, investment in distribution and technology spends for new platform launches and growth in granular segments like MFI segment. As per management, opex is expected to remain elevated in near term with FY24 exit CIR at 45% and 41-43% thereafter. 5) on a gog basis, overall GNPA/NNPA at 1.9%/0.6% was stable, with improvements in the vehicle finance portfolio being offset by increases in other consumer segments like MFI (+13bp), Cards (+21bp) along with a large corporate exposure of Rs 1.68bn moving from SMA2 to NPA bucket.

We introduce the FY26 estimates, rollover the forecasts to Dec-25 and maintain our BUY rating with Dec-24 TP of Rs1,640 (from Rs1,580). We value the bank at 1.6x Dec-25 adj BVPS for average RoE of 15.6% over FY24/25/26E. We factor continued growth in higher yielding businesses of vehicle finance/microfinance (post recent investments in digital and capacity additions) with relatively stable margins over the forecast period. We also factor in elevated CIR at c.45% and credit costs of c.115bps over the forecast period.

Deposit mobilization key to achieving growth targets: The bank registered net advances growth of 4.5% gog, 21% yoy with retail loan mix increasing 100bp gog to 55%. This is in line with the bank's Planning Cycle 6 (PC-6) for FY23-26, of 18-23% loan growth and retail loan mix of 55-60%. On the liabilities side, deposit growth of +3.7%qoq, +14%yoy continued to lag net advances growth, leading to a +70bp qoq increase in CD ratio to 87.5%. While it is still within the bank's comfort zone of 86%-89%, the increasing CD and lowering borrowing mix (-200bp qoq) will necessitate higher deposit mobilization in the coming quarters. CASA declined 50bps gog to 39.4% and was the lowest since 1QFY18. That said, retail deposits increased by 4.3% qoq, 21% yoy with retail deposit share increasing by 30bps qoq to 43.7% (vs PC-6 target of 45-50% retail deposit mix). The bank has also utilized some of the excess liquidity on the balance sheet (currently at c.Rs370bn) due to which the increase in the overall cost of funds, up 9bps qoq, was much below the 23bps increase in cost of deposits. With the focus back on mobilizing deposits, we expect cost of funds to closely track the cost of deposit trend. Management guided for 10-20bps increase in cost of deposits over the next 2 quarters, whilst still maintaining the NIM guidance of 4.2-4.3% for FY24. With 2H being seasonally strong for vehicle finance and microfinance segments, the growth and margin outlook remains strong for 2HFY24.

**CIR increases on account of variable payouts and higher employee count:** Business incentive related payouts increased in line with strong underlying growth in microfinance and new business segments. The bank also added c.3,500 employees in 2QFY24 taking total employee additions YTD to c.7000. Consequently, CIR increased c.100 bps qoq to 46.9% and is expected to remain elevated in near term.

**One-off corporate account slippage exacerbate NPA concerns on unsecured book:** Gross slippage increased to 1.96% vs 1.91% qoq primarily due to slippage of Rs1.68bn (11% of gross slippages) from a key corporate account which moved from SMA2 to NPA bucket. Retail slippage ratio at 3.2% improved 30bps qoq and is expected to improve further in 2H due to seasonally strong period for vehicle finance and microfinance. That said, the GNPA increased by 13-21bps qoq in each of the granular businesses of MFI/Cards/small CV. However, the management remains confident of the asset quality remaining intact in the consumer businesses and hence retained its full year guidance of slippages in the range of Rs.48-52bn. Including further buildup of contingent provisions of c.Rs3bn, expected over 2HFY24, the credit cost guidance remains unchanged in the range of 110-130bps.

**Valuation and recommendations:** We introduce the FY26 estimates, rollover the forecasts to Dec-25 and maintain our BUY rating with Dec-24 TP of Rs1,640 (from Rs1,580). We value the bank at 1.6x Dec-25 adj BVPS for average RoE of 15.6% over FY24/25/26E. We factor continued growth in higher yielding businesses of vehicle finance/microfinance (post recent investments in digital and capacity additions) with relatively stable margins over the forecast period. We also factor in elevated CIR at c.45% and credit costs of c.115bps over the forecast period. Considering the high CD ratio at the bank, our credit growth estimates are constrained by the ability of the bank to raise deposits at a reasonable price. This remains key risk to our view.

# IIB's 2QFY24 results earnings concall key takeaways:

#### Guidance

- FY24 NIM guidance of 4.2-4.3%
- Cost of deposits to increase by 10-20bps in next 2 quarters
- FY24 exit cost to income of 45%
- FY24 credit cost guidance of 110-130bps and gross slippages of Rs.48-51bn

#### MFI

- Disbursements grew by 24% yoy, 43% qoq
- Loan outstanding per borrower grew by 1% qoq/ 3% yoy
- Standard asset collection efficiency was at 99.1%.
- The bank is consciously trying to reduce its exposure to lower ticket loans of less than Rs.15,000 given the higher opex intensity in there

# Vehicle Finance

- The vehicle finance maintained a healthy disbursement growth of 20%yoy/7%qoq ahead of loan growth of 22%yoy/4.7%qoq.
- While there was strong growth of 5-10% qoq in each of CV, UV and cars, demand slowed down in 2W, tractors and construction equipment segments with 1-2% qoq growth in each.
- The bank's current LCV market share stands at 10% vs 5%, 2-3 years ago
- GNPA is likely to improve in the Vehicle finance portfolio with 2H likely to be seasonally better than 1H

### **Corporate Book**

- Withing the corporate loan book, 1/3<sup>rd</sup> is MCLR linked and 2/3<sup>rd</sup> is EBLR linked
- The bank is likely to see increase in blended corporate yields with increasing share of small businesses in the wholesale book. Majority of the MSME sourcing is done in less than Rs.20m segment
- Corporate book SMA-1 was 0.6%, SMA-2 was 0.2% with total SMA of 0.26%

### Other

- LCR was 117%, within target range of 115-125%
- Net security receipts declined to 39bps vs 44bps qoq
- The bank has a surplus liquidity in excess of Rs. 300bn with the bank targeting to maintain about Rs. 200bn as minimum at any given point in time
- While the diamond segment demand remained muted, the bank does not have any exposure to lab grown diamonds, SMA-1, SMA-2 or restructured accounts

## **Exhibit 1: Quarterly performance**

(INR, mn)	2QFY24	2QFY23	YoY (%)	1QFY24	QoQ (%)
Interest income	1,12,478	87,080	29%	1,07,297	4.8%
Interest expenses	61,711	44,060	40%	58,625	5.3%
NII	50,767	43,021	18%	48,671	4.3%
Other income	22,819	20,108	13%	22,098	3.3%
Operating income	73,586	63,129	17%	70,769	4.0%
Operating expenses	34,499	27,932	24%	32,468	6.3%
- Staff expenses	13,378	7,347	82%	8,629	55.0%
РРОР	39,087	35,197	11%	38,301	2.1%
Provisions	9,738	11,411	-15%	9,916	-1.8%
Profit before tax	29,349	23,786	23%	28,385	3.4%
Taxes	7,329	5,919	24%	7,149	2.5%
Profit after tax	22,021	17,867	23%	21,236	3.7%
EPS	28.3	23.0	23%	27.4	3.6%

Key Ratios (%)	2QFY24	2QFY23	YoY (bps)	1QFY24	QoQ (bps)
Net Advances growth (YoY, %)	21.1%	17.8%	326 bp	21.5%	-45 bp
Net Advances growth (QoQ, %)	4.5%	4.9%	-39 bp	3.9%	59 bp
Deposit growth (YoY, %)	13.9%	14.7%	-79 bp	14.6%	-75 bp
Deposit growth (QoQ, %)	3.7%	4.4%	-68 bp	3.2%	53 bp
CASA Ratio	39.3%	42.3%	-293 bp	39.9%	-55 bp
CD Ratio	87.5%	82.3%	518 bp	86.8%	70 bp
NIM (reported)	4.3%	4.2%	5 bp	4.3%	0 bp
Cost to Income	46.9%	44.2%	264 bp	45.9%	100 bp
Credit costs	1.3%	2.0%	-71 bp	1.4%	-9 bp
GNPA (%)	1.9%	2.1%	-18 bp	1.9%	-1 bp
NNPA (%)	0.6%	0.6%	-4 bp	0.6%	-1 bp
PCR (%)	70.6%	71.5%	-97 bp	70.6%	-2 bp
CAR	18.2%	18.0%	20 bp	18.4%	-19 bp
Tier-I	16.3%	16.0%	36 bp	16.4%	-11 bp

Source: Company, Systematix Institutional Research

## Exhibit 2: DuPont analysis

Du Pont (% of average assets)	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Net interest income	4.1%	4.1%	4.1%	4.2%	4.3%
Other income	1.9%	1.9%	1.9%	1.9%	1.9%
Total income	6.0%	6.0%	6.0%	6.1%	6.2%
Operating expenses	2.7%	2.7%	2.7%	2.8%	2.9%
Employee expenses	0.7%	0.7%	0.7%	0.7%	1.1%
РРОР	3.4%	3.4%	3.3%	3.3%	3.3%
Provisions	1.1%	1.0%	0.9%	0.9%	0.8%
РВТ	2.3%	2.4%	2.4%	2.5%	2.5%
PAT (RoAA)	1.7%	1.8%	1.8%	1.8%	1.9%
Leverage	8.35	8.43	8.40	8.28	8.18
ROE	14.3%	15.2%	15.2%	15.2%	15.3%

## **Exhibit 3: Earnings Revision**

		FY24E			FY25E			FY26E	
(INR, Mn)	New	Old	% chg	New	Old	% chg	New	Old	% chg
Advances	34,26,150	34,15,917	0.3%	40,07,686	39,96,417	0.3%	46,81,256	-	NA
Deposits	39,03,698	39,11,504	-0.2%	45,64,540	45,47,836	0.4%	52,96,759	-	NA
NII	2,05,013	1,98,659	3.2%	2,34,762	2,25,927	3.9%	2,68,813	-	NA
Opex	1,37,926	1,32,894	3.8%	1,57,333	1,49,063	5.5%	1,76,678	-	NA
РРОР	1,61,146	1,57,999	2.0%	1,84,773	1,81,778	1.6%	2,14,720	-	NA
Provisions	70,286	72,500	-3.1%	80,318	82,944	-3.2%	93,430	-	NA
PAT	90,859	85,499	6.3%	1,04,455	98,833	5.7%	1,21,290	-	NA
EPS	117	110	6.3%	135	127	5.7%	156	-	NA
Adj. BVPS	784	774	1.3%	900	881	2.2%	1,038	-	NA

Source: Company, Systematix Institutional Research

# Exhibit 4: Q2FY24 Outcome Against PC-6 Ambitions



Source: Company

# Exhibit 5: Credit growth led by growth in consumer finance and small business loans



Source: Company, Systematix Institutional Research





Source: Company, Systematix Institutional Research



### Exhibit 9: Cost-Income ratio likely to remain elevated

# Exhibit 6: Deposits growth moderating with modest 55bps qoq decline in CASA to 39.4%









Source: Company, Systematix Institutional Research

#### Exhibit 10: Credit costs largely stable qoq



Source: Company, Systematix Institutional Research



Exhibit 12: AQ in vehicle finance improved qoq



Source: Company, Systematix Institutional Research



Source: Company, Systematix Institutional Research







# **FINANCIALS**

Profit & Loss Statement

YE: Mar (Rs bn)	FY22	FY23	FY24E	FY25E	FY26E
Interest Income	308	364	448	517	588
Interest Expenses	158	188	243	282	319
Net Interest Income	150	176	205	235	269
Change (%)	10.9	17.3	16.5	14.5	14.5
Commission, Exc. & Br. Inc.	45	56	65	76	88
Add: Other income	28	25	29	31	34
Net Income	223	258	299	342	391
Change (%)	11.2	15.3	16.1	14.4	14.4
Operating Expenses	96	114	138	157	177
Operating Profit	128	143	161	185	215
Change (%)	8.9	12.3	12.3	14.7	16.2
Provisions	66	45	40	45	53
РВТ	62	99	121	139	162
Тах	16	25	30	35	40
Tax Rate (%)	25.3	25.1	25.0	25.0	25.0
PAT	46	74	91	104	121
Change (%)	62.6	60.3	23.0	15.0	16.1
Proposed Dividend	7	11	13	15	18

Source: Company, Systematix Institutional Research

#### Dupont

Dapont					
YE: Mar (%)	FY22	FY23	FY24E	FY25E	FY26E
Interest Income	8.1	8.5	9.1	9.1	8.9
Interest Expended	4.1	4.4	4.9	5.0	4.9
Net Interest Income	3.9	4.1	4.2	4.1	4.1
Commission, Exc. & Br. Inc.	1.2	1.3	1.3	1.3	1.3
Other Fee Income	0.6	0.6	0.6	0.5	0.5
Net Operating Income	5.7	6.0	6.0	6.0	5.9
Profit on sale of investment	0.2	0.0	0.0	0.0	0.0
Net Income	5.8	6.0	6.1	6.0	6.0
Operating Expenses	2.5	2.7	2.8	2.8	2.7
Operating Income	3.3	3.3	3.3	3.2	3.3
Provisions	1.7	1.0	0.8	0.8	0.8
PBT	1.6	2.3	2.5	2.4	2.5
Tax	0.4	0.6	0.6	0.6	0.6
ΡΑΤ	1.2	1.7	1.8	1.8	1.8
Leverage	8.5	8.5	8.5	8.5	8.5
RoE	10.2	14.5	15.6	15.6	15.7

Source: Company, Systematix Institutional Research

#### YE: Mar (Rs bn) FY22 FY23 FY24E FY25E FY26E 8 Capital 8 8 8 8 **Reserves & Surplus** 538 617 711 820 469 Net Worth 477 546 625 718 828 Change (%) 10.0 14.5 14.5 14.9 15.3 Deposits 2,937 3,904 5,297 3,364 4,565 Change (%) 14.6 14.6 16.0 16.9 16.0 CASA Ratio (%) 42.8 40.1 39.1 38.1 37.1 Borrowings 473 490 557 573 620 Other Liabilities 133 177 210 248 292 **Total Liabilities** 4,020 4,578 5,296 6,104 7,037 Change (%) 10.7 13.9 15.7 15.3 15.2 Investments 710 831 952 1,090 1,248 683 Cash & Bank balance 565 581 607 636 Loans 2,391 2,899 3,426 4,008 4,681 18.2 16.8 Change (%) 12.4 21.3 17.0 **Fixed Assets** 18 20 21 22 23 Other Assets 218 263 317 377 448 **Total Assets** 4,020 4,578 5,296 6,104 7,037

Source: Company, Systematix Institutional Research

### Ratios

**Balance Sheet** 

Ratios					
YE: Mar	FY22	FY23	FY24E	FY25E	FY26E
Spreads Analysis (%)					
Yield on Advances	11.1	11.3	11.7	11.7	11.5
Yield on Earning Assets	8.6	9.0	9.7	9.7	9.6
Cost of Deposits	4.5	5.0	5.6	5.7	5.6
Cost of Funds	4.9	5.2	5.9	5.9	5.8
NIM	4.2	4.4	4.4	4.4	4.4
Profitability Ratios (%)					
Cost/Income	42.8	44.3	46.1	46.0	45.1
PPOP / Avg. assets	3.3	3.3	3.3	3.2	3.3
RoE	10.2	14.5	15.6	15.6	15.7
RoA	1.2	1.7	1.8	1.8	1.8
Asset Quality (%)					
GNPA (Rs bn)	55	58	69	81	95
NNPA (Rs bn)	15	17	19	23	27
GNPA	2.3	2.0	2.0	2.0	2.0
NNPA	0.6	0.6	0.6	0.6	0.6
PCR	72.3	70.6	72.2	71.9	72.1
Capitalisation (%)					
CAR	18.4	17.9	16.6	16.2	15.8
Tier I	16.8	16.4	15.9	15.5	15.2
Tier II	1.6	1.5	0.7	0.7	0.7
Average Leverage on Asset	ts (x) 8.5	8.5	8.5	8.5	8.5
Valuations					
Book Value (Rs)	612	700	802	922	1,064
Adj. Book Value (Rs)	597	684	784	900	1,038
Price-BV (x)	2.32	2.03	1.77	1.54	1.34
Price-Adj. BV (x)	2.38	2.20	1.81	1.58	1.37
EPS (Rs)	60	95	117	135	156
EPS Growth (%)	55	60	23	15	16
Price-Earnings (x)	23.85	14.91	12.13	10.56	9.09
Dividend (Rs)	9	14	17	20	23
Dividend Yield (%)	1	1	1	1	2

# Institutional Equities Team

Nikhil Khandelwal	Managing Director	+91-22-6704 8001	nikhil@systematixgroup.in
Equity Research			
Analysts	Industry Sectors	Desk-Phone	E-mail
Dhananjay Sinha	Co Head of Equities & Head of Research - Strategy & Economics	+91-22-6704 8095	dhananjaysinha@systematixgroup.in
Ashish Poddar	Consumer Durables, EMS, Building Materials, Small-Mid Caps	+91-22-6704 8039	ashishpoddar@systematixgroup.in
Himanshu Nayyar	Consumer Staples & Discretionary	+91-22-6704 8079	himanshunayyar@systematixgroup.in
Manjith Nair	Banking, Insurance	+91-22-6704 8065	manjithnair@systematixgroup.in
Pradeep Agrawal	NBFCs & Diversified Financials	+91-22-6704 8024	pradeepagrawal@systematixgroup.in
Pratik Tholiya	Specialty & Agro Chem, Fertilisers, Sugar, Textiles and Select Midcaps	+91-22-6704 8028	pratiktholiya@systematixgroup.in
Sameer Pardikar	IT & ITES	+91-22-6704 8041	sameerpardikar@systematixgroup.in
Sudeep Anand	Oil & Gas, Logistics, Cement, Wagons	+91-22-6704 8085	sudeepanand@systematixgroup.in
Vishal Manchanda	Pharmaceuticals and Healthcare	+91-22-6704 8064	vishalmanchanda@systematixgroup.in
Chetan Mahadik	Consumer Staples & Discretionary	+91-22-6704 8091	chetanmahadik@systematixgroup.in
Devanshi Kamdar	IT & ITES	+91-22-6704 8098	devanshikamdar@systematixgroup.in
Jennisa Popat	Oil & Gas, Logistics, Cement, Wagons	+91-22-6704 8066	jennisapopat@systematixgroup.in
Kalash Jain	Consumer Durables, EMS, Building Materials, Small-Mid Caps	+91-22-6704 8038	kalashjain@systematixgroup.in
Nirali Chheda	Banking, Insurance	+91-22-6704 8019	niralichheda@systematixgroup.in
Pashmi Chheda	Banking, Insurance	+91-22-6704 8063	pashmichheda@systematixgroup.in
Pranay Shah	Consumer Durables, EMS, Building Materials, Small-Mid Caps	+91-22-6704 8017	pranayshah@systematixgroup.in
Pratik Oza	Midcaps	+91-22-6704 8036	pratikoza@systematixgroup.in
Pravin Mule	NBFCs & Diversified Financials	+91-22-6704 8034	pravinmule@systematixgroup.in
Prathmesh Kamath	Oil & Gas, Logistics, Cement, Wagons	+91-22-6704 8022	prathmeshkamath@systematixgroup.in
Purvi Mundhra	Macro-Strategy	+91-22-6704 8078	purvimundhra@systematixgroup.in
Rajesh Mudaliar	Consumer Staples & Discretionary	+91-22-6704 8084	rajeshmudaliar@systematixgroup.in
Ronak Dhruv	NBFCs & Diversified Financials	+91-22-6704 8045	ronakdhruv@systematixgroup.in
Shweta Dikshit	Metals & Mining	+91-22-6704 8042	shwetadikshit@systematixgroup.in
Vivek Mane	Pharmaceuticals and Healthcare	+91-22-6704 8046	vivekmane@systematixgroup.in
Yogeeta Rathod	Midcaps	+91-22-6704 8081	yogeetarathod@systematixgroup.in
Equity Sales & Trading			
Name		Desk-Phone	E-mail
Vipul Sanghvi	Co Head of Equities & Head of Sales	+91-22-6704 8062	vipulsanghvi@systematixgroup.in
Jignesh Desai	Salar	+91-22-6704 8068	jigneshdesai@systematixgroup.in
-	Sales		
-	Sales	+91-22-6704 8090	sidharthagrawal@systematixgroup.in
Sidharth Agrawal		+91-22-6704 8090 +91-22-6704 8003	sidharthagrawal@systematixgroup.in rahul@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal	Sales		
Sidharth Agrawal Rahul Khandelwal Chintan Shah	Sales Sales	+91-22-6704 8003	rahul@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma	Sales Sales Sales	+91-22-6704 8003 +91-22-6704 8061	rahul@systematixgroup.in chintanshah@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi	Sales Sales Sales Director and Head - Sales Trading	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad	Sales Sales Sales Director and Head - Sales Trading Vice President and Co Head - Sales Trading	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki	Sales Sales Sales Director and Head - Sales Trading Vice President and Co Head - Sales Trading Sales Trading Sales Trading	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani	Sales         Sales         Sales         Director and Head - Sales Trading         Vice President and Co Head - Sales Trading	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8097 +91-22-6704 8053	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda	Sales Sales Sales Director and Head - Sales Trading Vice President and Co Head - Sales Trading Sales Trading Sales Trading	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8097	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah	Sales         Sales         Sales         Director and Head - Sales Trading         Vice President and Co Head - Sales Trading         Sales Trading         Sales Trading         Sales Trading         Dealer	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8097 +91-22-6704 8053 +91-22-6704 8087	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh	Sales         Sales         Sales         Director and Head - Sales Trading         Vice President and Co Head - Sales Trading         Sales Trading         Sales Trading         Sales Trading         Dealer         Dealer	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8097 +91-22-6704 8053 +91-22-6704 8087 +91-22-6704 8047	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access	Sales Sales Sales Director and Head - Sales Trading Vice President and Co Head - Sales Trading Sales Trading Sales Trading Dealer Dealer Dealer Dealer	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8097 +91-22-6704 8053 +91-22-6704 8087 +91-22-6704 8047	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in rahulsingh@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access Mrunal Pawar	Sales         Sales         Sales         Director and Head - Sales Trading         Vice President and Co Head - Sales Trading         Sales Trading         Sales Trading         Sales Trading         Dealer         Dealer	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8053 +91-22-6704 8087 +91-22-6704 8047 +91-22-6704 8054	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access Mrunal Pawar Darsha Hiwrale	Sales         Sales         Sales         Director and Head - Sales Trading         Vice President and Co Head - Sales Trading         Sales Trading         Sales Trading         Sales Trading         Dealer         Dealer         Vice President & Head Corporate Access	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8053 +91-22-6704 8087 +91-22-6704 8054 +91-22-6704 8054 +91-22-6704 8088	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in rahulsingh@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access Mrunal Pawar Darsha Hiwrale Production	Sales         Sales         Sales         Director and Head - Sales Trading         Vice President and Co Head - Sales Trading         Sales Trading         Sales Trading         Sales Trading         Dealer         Dealer         Vice President & Head Corporate Access	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8053 +91-22-6704 8087 +91-22-6704 8054 +91-22-6704 8054 +91-22-6704 8088	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in rahulsingh@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access Mrunal Pawar Darsha Hiwrale Production Madhu Narayanan	Sales Sales Sales Director and Head - Sales Trading Vice President and Co Head - Sales Trading Sales Trading Sales Trading Dealer Dealer Dealer Vice President & Head Corporate Access Associate Corporate Access	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8071 +91-22-6704 8053 +91-22-6704 8087 +91-22-6704 8084 +91-22-6704 8088 +91-22-6704 8083	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in rahulsingh@systematixgroup.in mrunalpawar@systematixgroup.in darshahiwrale@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access Mrunal Pawar Darsha Hiwrale Production Madhu Narayanan Mrunali Pagdhare	Sales Sales Sales Sales Director and Head - Sales Trading Vice President and Co Head - Sales Trading Sales Trading Sales Trading Dealer Dealer Dealer Vice President & Head Corporate Access Associate Corporate Access Editor	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8053 +91-22-6704 8087 +91-22-6704 8088 +91-22-6704 8088 +91-22-6704 8088 +91-22-6704 8083	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in rahulsingh@systematixgroup.in mrunalpawar@systematixgroup.in darshahiwrale@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access Mrunal Pawar Darsha Hiwrale Production Madhu Narayanan Mrunali Pagdhare Vijayendra Achrekar	Sales         Sales         Sales         Director and Head - Sales Trading         Vice President and Co Head - Sales Trading         Sales Trading         Sales Trading         Sales Trading         Dealer         Dealer         Vice President & Head Corporate Access         Associate Corporate Access         Editor         Production	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8074 +91-22-6704 8073 +91-22-6704 8087 +91-22-6704 8088 +91-22-6704 8088 +91-22-6704 8083 +91-22-6704 8071 +91-22-6704 8057	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in rahulsingh@systematixgroup.in darshahiwrale@systematixgroup.in mrunalpawar@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access Mrunal Pawar Darsha Hiwrale Production Madhu Narayanan Mrunali Pagdhare Vijayendra Achrekar Operations	Sales Sales Sales Sales Director and Head - Sales Trading Vice President and Co Head - Sales Trading Sales Trading Sales Trading Sales Trading Dealer Dealer Vice President & Head Corporate Access Associate Corporate Access Editor Production Production	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8051 +91-22-6704 8053 +91-22-6704 8087 +91-22-6704 8087 +91-22-6704 8088 +91-22-6704 8083 +91-22-6704 8071 +91-22-6704 8057 +91-22-6704 8089	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in rahulsingh@systematixgroup.in mrunalpawar@systematixgroup.in darshahiwrale@systematixgroup.in mrunalip@systematixgroup.in vijayendraachrekar@systematixgroup.in
Sidharth Agrawal Rahul Khandelwal Chintan Shah Pawan Sharma Mukesh Chaturvedi Vinod Bhuwad Rashmi Solanki Karan Damani Vipul Chheda Paras Shah Rahul Singh Corporate Access Mrunal Pawar Darsha Hiwrale Production Madhu Narayanan Mrunali Pagdhare Vijayendra Achrekar Operations Sachin Malusare Jignesh Mistry	Sales         Sales         Sales         Director and Head - Sales Trading         Vice President and Co Head - Sales Trading         Sales Trading         Sales Trading         Sales Trading         Dealer         Dealer         Vice President & Head Corporate Access         Associate Corporate Access         Editor         Production	+91-22-6704 8003 +91-22-6704 8061 +91-22-6704 8067 +91-22-6704 8074 +91-22-6704 8074 +91-22-6704 8073 +91-22-6704 8087 +91-22-6704 8088 +91-22-6704 8088 +91-22-6704 8083 +91-22-6704 8071 +91-22-6704 8057	rahul@systematixgroup.in chintanshah@systematixgroup.in pawansharma@systematixgroup.in mukeshchaturvedi@systematixgroup.in vinodbhuwad@systematixgroup.in rashmisolanki@systematixgroup.in karandamani@systematixgroup.in vipulchheda@systematixgroup.in parasshah@systematixgroup.in rahulsingh@systematixgroup.in darshahiwrale@systematixgroup.in mrunalpawar@systematixgroup.in

#### DISCLOSURES/APPENDIX

#### I. ANALYST CERTIFICATION

I, Manjith Nair, Pashmi Chheda; hereby certify that (1) views expressed in this research report accurately reflect my/our personal views about any or all of the subject securities or issuers referred to in this research report, (2) no part of my/our compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report by Systematix Shares and Stocks (India) Limited (SSSIL) or its group/associate companies, (3) reasonable care is taken to achieve and maintain independence and objectivity in making any recommendations.

Disclosure of Interest Statement	Update
Analyst holding in the stock	No
Served as an officer, director or employee	No

II. ISSUER SPECIFIC REGULATORY DISCLOSURES, unless specifically mentioned in point no. 9 below:

- 1. The research analyst(s), SSSIL, associates or relatives do not have any financial interest in the company(ies) covered in this report.
- 2. The research analyst(s), SSSIL, associates or relatives collectively do not hold more than 1% of the securities of the company(ies) covered in this report as of the end of the month immediately preceding the distribution of the research report.
- 3. The research analyst(s), SSSIL, associates or relatives did not have any other material conflict of interest at the time of publication of this research report.
- 4. The research analyst, SSSIL and its associates have not received compensation for investment banking or merchant banking or brokerage services or any other products or services from the company(ies) covered in this report in the past twelve months.
- 5. The research analyst, SSSIL or its associates have not managed or co-managed a private or public offering of securities for the company(ies) covered in this report in the previous twelve months.
- 6. SSSIL or its associates have not received compensation or other benefits from the company(ies) covered in this report or from any third party in connection with this research report.
- 7. The research analyst has not served as an officer, director or employee of the company(ies) covered in this research report.
- 8. The research analyst and SSSIL have not been engaged in market making activity for the company(ies) covered in this research report.
- 9. Details of SSSIL, research analyst and its associates pertaining to the companies covered in this research report:

Sr. No.	Particulars	Yes / No.
1	Whether compensation was received from the company(ies) covered in the research report in the past 12 months for investment banking transaction by SSSIL.	No
2	Whether research analyst, SSSIL or its associates and relatives collectively hold more than 1% of the company(ies) covered in the research report.	No
3	Whether compensation has been received by SSSIL or its associates from the company(ies) covered in the research report.	No
4	Whether SSSIL or its affiliates have managed or co-managed a private or public offering of securities for the company(ies) covered in the research report in the previous twelve months.	No
5	Whether research analyst, SSSIL or associates have received compensation for investment banking or merchant banking or brokerage services or any other products or services from the company(ies) covered in the research report in the last twelve months.	No

10. There is no material disciplinary action taken by any regulatory authority that impacts the equity research analysis activities.

#### STOCK RATINGS

**BUY (B):** The stock's total return is expected to exceed 15% over the next 12 months. **HOLD (H):** The stock's total return is expected to be within -15% to +15% over the next 12 months. **SELL (S):** The stock's total return is expected to give negative returns of more than 15% over the next 12 months. **NOT RATED (NR):** The analyst has no recommendation on the stock under review.

#### INDUSTRY VIEWS

ATTRACTIVE (AT): Fundamentals/valuations of the sector are expected to be attractive over the next 12-18 months. **NEUTRAL (NL)**: Fundamentals/valuations of the sector are expected to neither improve nor deteriorate over the next 12-18 months. **CAUTIOUS (CS)**: Fundamentals/valuations of the sector are expected to deteriorate over the next 12-18 months.

#### III. DISCLAIMER

The information and opinions contained herein have been compiled or arrived at based on the information obtained in good faith from sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy completeness or correctness.

This document is for information purposes only. This report is based on information that we consider reliable; we do not represent that it is accurate or complete and one should exercise due caution while acting on it. Description of any company(ies) or its/their securities mentioned herein are not complete and this document is not and should not be construed as an offer or solicitation of an offer to buy or sell any securities or other financial instruments. Past performance is not a guide for future performance, future returns are not guaranteed and a loss of original capital may occur. All opinions, projections and estimates constitute the judgment of the author as on the date of the report and these, plus any other information contained in the report, are subject to change without notice. Prices and availability of financial instruments are also subject to change without notice. This report is intended for distribution to institutional investors.

This report is not directed to or intended for display, downloading, printing, reproducing or for distribution to or use by, any person or entity that is a citizen or resident or located in any locality, state, country or other jurisdiction where such distribution, publication, reproduction, availability or use would be contrary to law or regulation or what would subject to SSSIL or its affiliates to any registration or licensing requirement within such jurisdiction. If this report is inadvertently sent or has reached any individual in such country, especially USA, the same may be ignored and brought to the attention of the sender. Neither this document nor any copy of it may be taken or transmitted into the United States (to U.S. persons), Canada, or Japan or distributed, directly or indirectly, in the United States or Canada or distributed or redistributed in Japan or to any resident thereof. Any unauthorized use, duplication,

redistribution or disclosure of this report including, but not limited to, redistribution by electronic mail, posting of the report on a website or page, and/or providing to a third party a link, is prohibited by law and will result in prosecution. The information contained in the report is intended solely for the recipient and may not be further distributed by the recipient to any third party.

SSSIL generally prohibits its analysts, persons reporting to analysts, and members of their households from maintaining a financial interest in the securities or derivatives of any companies that the analysts cover. Additionally, SSSIL generally prohibits its analysts and persons reporting to analysts from serving as an officer, director, or advisory board member of any companies that they cover. Our salespeople, 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. Our proprietary trading and investing businesses may make investment decisions that are inconsistent with the recommendations expressed herein. The views expressed in this research report reflect the personal views of the analyst(s) about the subject securities or issues and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report. The compensation of the analyst who prepared this document is determined exclusively by SSSIL; however, compensation may relate to the revenues of the Systematix Group as a whole, of which investment banking, sales and trading are a part. Research analysts and sales persons of SSSIL may provide important inputs to its affiliated company(ies).

Foreign currencies denominated securities, wherever mentioned, are subject to exchange rate fluctuations which could have an adverse effect on their value or price or the income derived from them. In addition, investors in securities such as ADRs, the values of which are influenced by foreign currencies, effectively assume currency risk. SSSIL, its directors, analysts or employees do not take any responsibility, financial or otherwise, of the losses or the damages sustained due to the investments made or any action taken on the basis of this report including but not restricted to fluctuation in the prices of shares and bonds, changes in the currency rates, diminution in the NAVs, reduction in the dividend or income, etc.

SSSIL and its affiliates, officers, directors, and employees subject to the information given in the disclosures may: (a) from time to time, have long or short positions in, and buy or sell, the securities thereof, of company (ies) mentioned herein or (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation (financial interest) or act as a market maker in the financial instruments of the company (ies) discussed herein or act as advisor or lender / borrower to such company (ies) or have other potential material conflict of interest with respect to any recommendation and related information and opinions. The views expressed are those of the analyst and the company may or may not subscribe to the views expressed therein.

SSSIL, its affiliates and any third party involved in, or related to, computing or compiling the information hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any of this information. Without limiting any of the foregoing, in no event shall SSSIL, any of its affiliates or any third party involved in, or related to, computing or compiling the information have any liability for any damages of any kind. The company accepts no liability whatsoever for the actions of third parties. The report may provide the addresses of, or contain hyperlinks to, websites. Except to the extent to which the report refers to website material of the company, the company has not reviewed the linked site. Accessing such website or following such link through the report or the website of the company shall be at your own risk and the company shall have no liability arising out of, or in connection with, any such referenced website.

SSSIL will not be liable for any delay or any other interruption which may occur in presenting the data due to any technical glitch to present the data. In no event shall SSSIL be liable for any damages, including without limitation, direct or indirect, special, incidental, or consequential damages, losses or expenses arising in connection with the data presented by SSSIL through this presentation.

SSSIL or any of its other group companies or associates will not be responsible for any decisions taken on the basis of this report. Investors are advised to consult their investment and tax consultants before taking any investment decisions based on this report.

Registration granted by SEBI to SSSIL and certification from NISM to the analyst in no way guarantee performance of SSSIL or to provide any assurance of returns to investors.



#### Systematix Shares and Stocks (India) Limited:

Registered and Corporate address: The Capital, A-wing, No. 603 – 606, 6th Floor, Plot No. C-70, G Block, Bandra Kurla Complex, Bandra (East), Mumbai – 400 051 Tel no. 022-66198000/40358000 Fax no. 022-66198029/40358029 Email id contactus@systematixgroup.in. Visit us at: www.systematixgroup.in Details of Compliance officer: Ms Nipa Savla, Compliance officer Tel no. 022-66198092/4035808092 Email id compliance@systematixgroup.in Details of Email id grievance redressal cell : grievance@systematixgroup.in

Details of Registration : CIN - U65993MH1995PLC268414 | BSE SEBI Reg. No.: INZ000171134 (Member Code: 182) | NSE SEBI Reg. No.: INZ000171134 (Member Code: 11327) | MCX SEBI Reg. No.: INZ000171134 (Member Code: 1281) | Depository Participant SEBI Reg. No.: IN-DP-480-2020 (DP Id: 12034600) | PMS SEBI Reg. No.: INP000002692 | Research Analyst SEBI Reg. No.: INH20000840 | AMFI : ARN - 64917