



India

ADD (no change)

Consensus ratings*: Buy 45 Hold 5 Sell 0

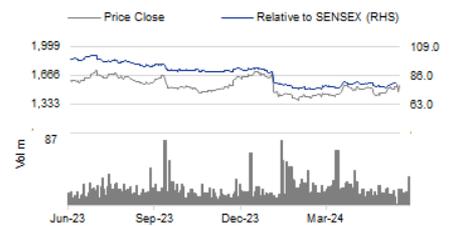
| | |
|------------------------------|---------|
| Current price: | Rs1,552 |
| Target price: | Rs2,000 |
| Previous target: | Rs2,000 |
| Up/downside: | 28.9% |
| InCred Research / Consensus: | 6.8% |

| | |
|-------------------------|---------------|
| Reuters: | |
| Bloomberg: | HDFCB IN |
| Market cap: | US\$162,503m |
| | Rs11,800,150m |
| Average daily turnover: | US\$469.0m |
| | Rs34056.0m |
| Current shares o/s: | 7,586.9m |
| Free float: | 70.5% |

*Source: Bloomberg

Key changes in this note

- Deepening presence in rural & semi-urban markets will fuel growth of the retail franchise.
- Cross-selling of high-yielding eHDFC product will compensate for lower RoE mortgages.



Source: Bloomberg

| Price performance | 1M | 3M | 12M |
|-------------------|-----|-----|--------|
| Absolute (%) | 2.1 | 7.7 | (3.3) |
| Relative (%) | 1.5 | 7.3 | (18.3) |

| Major shareholders | % held |
|--------------------|--------|
| FPI | 52.0 |
| ADR | 14.0 |
| SBI-ETF Nifty 50 | 5.7 |

Research Analyst(s)



Jignesh SHIAL

T (91) 22 4161 1547

E jignesh.shial@incredresearch.com

Meghna LUTHRA

T (91) 22 4161 1500

E meghna.luthra@incredresearch.com

Rishabh JOGANI

T (91) 02241611569

E rishabh.jogani@incredresearch.com

HDFC Bank

Surfing on the turning tide

- Deepening reach by propelling branch network and higher focus on rural and semi-urban markets to fuel the retail franchise in both deposits and advances.
- Increasing cross-selling of liabilities and high-yield products to eHDFC customers to be RoE-accretive, compensating for low RoE mortgage business.
- We reiterate HDFC Bank as our high-conviction ADD-rated stock with a target price of Rs2,000, valuing its subsidiaries at Rs250/share.

Increasing pan-India reach to augment retail deposits

To address the liquidity problem post-merger, HDFC Bank's management has already shored up its branch network (+3,130 branches since FY21) to garner a granular and sticky deposit base through a plate full of private bank offerings to the rural & semi-urban masses.

Consistent credit growth for the bank

HDFC Bank enjoys a geographically diversified reach, thereby ensuring continuity in expanding the customer count, with a higher focus on granular retail, commercial and rural lending while trading cautiously on the large corporate space amid competitive pricings.

Focus on cross-selling to dilute low RoE mortgage business

One of the key pillars of the transition remains cross-selling of deposits (primarily CASA) and better yield retail loans to existing HDFC customers in order to compensate for the low RoE mortgage business.

Operating leverage to play out in return ratios

HDFC Bank started witnessing some relief in 4QFY24 as branches started to break even. Of the total branch count of 8,738 as of Mar 2024-end, the newer branches (opened in the last 24 months) stood at ~27%, which are yet to mature. Thus, the recent aggressive branch expansion will result in superior revenue recognition in the coming quarters.

HDFC Credila effect - lower credit costs are here to stay

HDFC Bank has a proven track record for unscathed asset quality and is known for its stringent underwriting processes. The one-off gain on stake sale was utilized by the bank to further shore up its floating provision, providing comfort on future credit costs.

Valuation & outlook

We believe HDFC Bank will continue to maintain its leadership position in retail lending and further strengthen its retail liability franchise in the mid- to long-term. We expect HDFC Bank to be an ~2% RoA and ~17% RoE story. HDFC Bank is our high-conviction ADD-rated stock with a target price of Rs2,000. We have valued the standalone bank at ~2.4x FY26F BV and its subsidiaries at Rs250/share. Slow growth and weak margins are key downside risks to our thesis.

Financial Summary

| | Mar-23A | Mar-24A | Mar-25F | Mar-26F | Mar-27F |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|
| Net Interest Income (Rsm) | 868,422 | 1,085,325 | 1,383,047 | 1,617,905 | 1,882,113 |
| Total Non-Interest Income (Rsm) | 312,148 | 492,410 | 562,235 | 650,552 | 755,477 |
| Operating Revenue (Rsm) | 1,180,571 | 1,577,735 | 1,945,282 | 2,268,457 | 2,637,590 |
| Total Provision Charges (Rsm) | (119,197) | (234,921) | (200,117) | (251,873) | (302,132) |
| Net Profit (Rsm) | 441,087 | 608,123 | 804,478 | 914,915 | 1,038,292 |
| Core EPS (Rs) | 79.05 | 80.05 | 105.90 | 120.43 | 136.67 |
| Core EPS Growth | 19% | 1% | 32% | 14% | 13% |
| FD Core P/E (x) | 19.63 | 19.39 | 14.65 | 12.89 | 11.35 |
| DPS (Rs) | 25.00 | 19.50 | 30.00 | 40.00 | 55.00 |
| Dividend Yield | 1.61% | 1.26% | 1.93% | 2.58% | 3.54% |
| BVPS (Rs) | 502.2 | 579.5 | 655.3 | 735.6 | 817.2 |
| P/BV (x) | 3.09 | 2.68 | 2.37 | 2.11 | 1.90 |
| ROE | 17.0% | 16.9% | 17.2% | 17.3% | 17.6% |

% Change In Core EPS Estimates

InCred Research/Consensus EPS (x)

SOURCE: INCRED RESEARCH, COMPANY REPORTS

HDFC Bank – surfing on the turning tide

HDFC Bank, during the HDFC merger-related transition, has strengthened its retail franchise through rapid branch expansion (+3,130 branches since FY21) and improved digital capabilities. The growth in advances is expected to moderate (~15.4% CAGR over FY24-27F) amid a higher base (post-merger) and lower liquidity (elevated LDR/declining LCR) but retail asset growth to outpace corporate loan growth. The rapid branch expansion (mainly in Tier-2 cities and beyond) will give a fillip to deposit growth (~19.3% CAGR over FY24-27F), including low-cost rural CASA deposits. We expect healthy PAT growth (~19.5% CAGR over FY24-27F) driven by a gradual NIM expansion (~420-440bp), operating leverage playing out (cost-to-income ratio at ~37.5%) & lower credit costs (~80bp) amid the recently created provision buffer.

Increasing pan-India reach to augment retail deposits including rural CASA

HDFC Bank, immediately post HDFC merger, witnessed a steep liquidity crunch with the loan-to-deposit ratio (LDR) inching up to ~108% whereas the liquidity coverage ratio (LCR) declining to ~110% in Dec 2023. To address this issue, management has already shored up the branch network (+3,130 branches since FY21) to garner a granular and sticky deposit base. The bank intends to capture deposit market share from public sector banks, smaller private banks and is also targeting new-to-the-bank customers. We believe the bank is tapping the right notes with a plate full of private bank offerings to the rural & semi urban masses for deposit augmentation. We are building in overall deposit CAGR of ~19.3% but CASA growth to remain superior at ~20.9% CAGR over FY24-27F, with the CASA deposit share improving to ~39.8% of total deposits against ~38.2% during FY24.

Credit growth consistently incontestable for the bank

HDFC Bank enjoys a geographically diversified reach and has acquired ~2.8m customers during 2HFY24 to become a franchise with ~93m customers. This comes with a higher focus on retail, commercial and rural lending as the bank is treading cautiously in the large corporate space amid competitive pricings. We believe HDFC Bank is better placed due to its improved penetration providing portfolio granularity and command over loan pricing. Thus, growing advances in a granular manner has never been a challenge for the bank. We are building in overall loan CAGR of ~15.4%, but retail/rural/SME loans to post ~17.1% CAGR over FY24-27F whereas corporate loans to grow in single digits.

Focus on cross-sales to dilute the low RoE mortgage biz impact

One of the key pillars of the transition remains cross-selling of deposits (primarily CASA) and better yield retail loans to existing HDFC customers in order to compensate for low RoE mortgage business. HDFC Bank has acquired ~5m customers of HDFC under the mortgage portfolio, but very few of them had a liability relationship with the bank. Such customers, who don't have deposit relationship with HDFC Bank, are easy targets to augment CASA/ time deposits. Additionally, such customers are also being offered a slew of better-yield retail lending products (including personal loans, credit cards, etc.) which will be further RoE-accretive.

Margins could be an issue in the near term but normalcy achievable over the mid- to long-term

The banking sector's margins are expected to remain under pressure in the coming quarters amid the reversal of interest rate cycle, given the high proportion of floating loans which will repriced faster than repricing of deposits. HDFC Bank is no exception and has ~ two-thirds of the advances at floating rates. However, over the mid- to long-term, we remain confident of a granular margin improvement for the bank as it is focusing on the better-yield retail/rural/SME portfolio as well as low-cost CASA/retail deposits. We are building in a gradual margin expansion of ~40bp in FY24 to ~440bp by FY27F.

Operating leverage to play out in return ratios

Branches which are 8-10 years old are doing better business compared to relatively new branches because of better brand recognition. Such old branches can source more customers compared to new branches. The cost-to-income ratio for the bank remained elevated (~40-42%) for the past couple of years on the back of higher costs relating to aggressive branch expansion. The bank started witnessing some relief during 4QFY24 as branch break-even started materializing. Of the total branch count of 8,738 as of Mar 2024-end, the newer branches (opened in the last 24 months) stood at ~27%, which are yet to mature. Management indicated ~18-24 months as the break-even period for branches. Thus, the recent aggressive branch expansion will result in superior revenue recognition in the coming quarters. We expect the cost-to-income ratio to improve by ~2pp in FY25F-26F to 38% led by improving branch utilization.

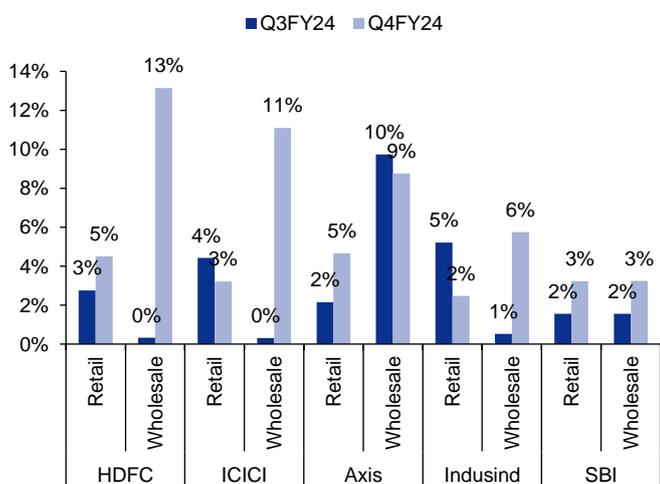
HDFC Credila effect - lower credit costs are here to stay

India’s financial sector witnessed the best of asset quality cycle post Covid-19 pandemic due to various factors, including a major corporate-related pain being recognized under the asset quality review (AQR) mechanism and incremental growth led by the retail lending segment. However, most lenders are indicating normalization of credit costs by 2HFY25F. HDFC Bank has a proven track record for unscathed asset quality and is known for its stringent underwriting processes. Post HDFC merger, the asset quality movement was range-bound. Gross NPAs largely remained under the 2% mark, consequently leading to controlled credit costs. During 4QFY24, the bank sold its stake in HDFC Credila (education loans provider) for Rs95.5bn, as mandated by the Reserve Bank of India. This one-off gain was utilized by the bank to create a floating provision of Rs109bn which will be utilized against the provisioning requirement in future. This provides the necessary comfort on the future credit cost trend for the bank. Accordingly, we expect the asset quality trend to remain largely stable going ahead, with range-bound credit costs in the 80bp range over FY25F-27F.

Valuation & outlook - improving return ratios to be the key driver of the stock

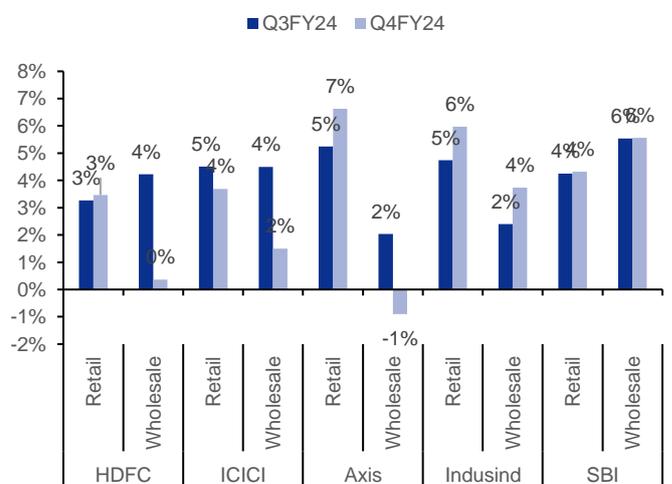
We believe HDFC Bank will continue to maintain its leadership position in retail lending and further strengthen its retail liability franchise in the mid- to long-term period. We expect HDFC Bank to be an ~2% RoA and ~17% RoE story. HDFC Bank is our high-conviction ADD-rated stock with a target price of Rs2,000. We have valued the standalone bank at ~2.4x FY26F BV and its subsidiaries at Rs250/share. Slow growth and weak margins are key downside risks to our thesis.

Figure 1: Retail-wholesale deposit growth highest vs. peers



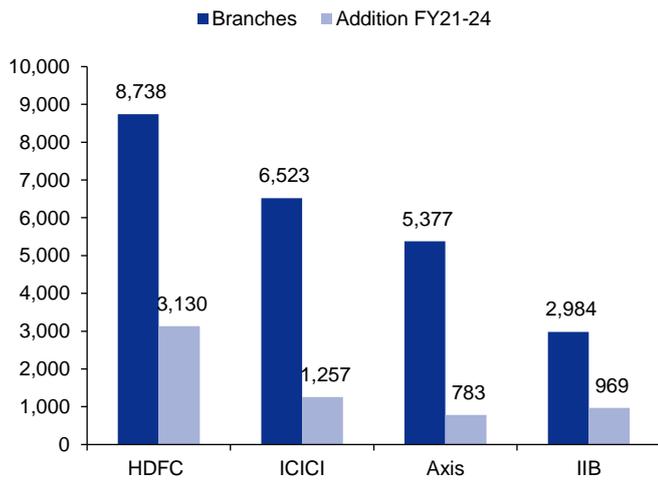
SOURCE: INCRED RESEARCH, COMPANY REPORTS

Figure 2: Retail loan growth leading the way



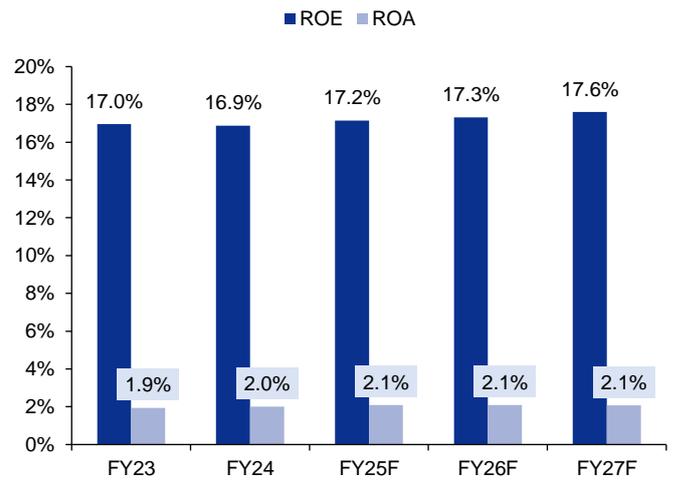
SOURCE: INCRED RESEARCH, COMPANY REPORTS

Figure 3: Branch addition from FY21 to FY24



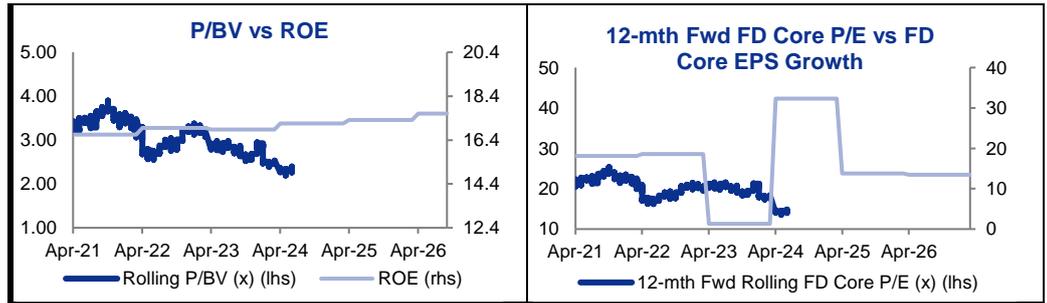
SOURCE: INCRED RESEARCH, COMPANY REPORTS

Figure 4: HDFC Bank's RoA and RoE



SOURCE: INCRED RESEARCH, COMPANY REPORTS

BY THE NUMBERS



Profit & Loss

| (Rsm) | Mar-23A | Mar-24A | Mar-25F | Mar-26F | Mar-27F |
|---|------------------|------------------|------------------|------------------|------------------|
| Net Interest Income | 868,422 | 1,085,325 | 1,383,047 | 1,617,905 | 1,882,113 |
| Total Non-Interest Income | 312,148 | 492,410 | 562,235 | 650,552 | 755,477 |
| Operating Revenue | 1,180,571 | 1,577,735 | 1,945,282 | 2,268,457 | 2,637,590 |
| Total Non-Interest Expenses | (454,096) | (607,282) | (716,593) | (831,248) | (955,935) |
| Pre-provision Operating Profit | 704,050 | 943,874 | 1,210,768 | 1,417,370 | 1,659,376 |
| Total Provision Charges | (119,197) | (234,921) | (200,117) | (251,873) | (302,132) |
| Operating Profit After Provisions | 584,853 | 708,953 | 1,010,651 | 1,165,496 | 1,357,244 |
| Pretax Income/(Loss) from Assoc. | | | | | |
| Operating EBIT (incl Associates) | 584,853 | 708,953 | 1,010,651 | 1,165,496 | 1,357,244 |
| Non-Operating Income/(Expense) | | | | | |
| Profit Before Tax (pre-EI) | 584,853 | 708,953 | 1,010,651 | 1,165,496 | 1,357,244 |
| Exceptional Items | | | | | |
| Pre-tax Profit | 584,853 | 708,953 | 1,010,651 | 1,165,496 | 1,357,244 |
| Taxation | (143,766) | (100,830) | (206,173) | (250,582) | (318,952) |
| Consolidation Adjustments & Others | | | | | |
| Exceptional Income - post-tax | | | | | |
| Profit After Tax | 441,087 | 608,123 | 804,478 | 914,915 | 1,038,292 |
| Minority Interests | | | | | |
| Pref. & Special Div | | | | | |
| FX And Other Adj. | | | | | |
| Net Profit | 441,087 | 608,123 | 804,478 | 914,915 | 1,038,292 |
| Recurring Net Profit | | | | | |

Balance Sheet Employment

| (Rsm) | Mar-23A | Mar-24A | Mar-25F | Mar-26F | Mar-27F |
|--|---------------|---------------|---------------|---------------|---------------|
| Gross Loans/Cust Deposits | | | | | |
| Avg Loans/Avg Deposits | 86.3% | 95.8% | 102.7% | 99.3% | 95.9% |
| Avg Liquid Assets/Avg Assets | 94.6% | 94.0% | 94.9% | 95.7% | 96.0% |
| Avg Liquid Assets/Avg IEAs | 108.8% | 107.8% | 107.8% | 109.4% | 110.7% |
| Net Cust Loans/Assets | | | | | |
| Net Cust Loans/Broad Deposits | | | | | |
| Equity & Provns/Gross Cust Loans | | | | | |
| Asset Risk Weighting | | | | | |
| Provision Charge/Avg Cust Loans | 0.80% | 1.15% | 0.75% | 0.82% | 0.85% |
| Provision Charge/Avg Assets | 0.53% | 0.77% | 0.52% | 0.58% | 0.60% |
| Total Write Offs/Average Assets | | | | | |

SOURCE: INCRED RESEARCH, COMPANY REPORTS

BY THE NUMBERS...cont'd

Balance Sheet

| (Rsm) | Mar-23A | Mar-24A | Mar-25F | Mar-26F | Mar-27F |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Total Gross Loans | 16,005,859 | 24,848,616 | 28,515,988 | 32,916,478 | 38,173,508 |
| Liquid Assets & Invst. (Current) | 5,170,015 | 7,024,150 | 7,265,861 | 7,625,836 | 8,036,164 |
| Other Int. Earning Assets | | | | | |
| Total Gross Int. Earning Assets | 21,175,874 | 31,872,764 | 35,781,848 | 40,542,312 | 46,209,672 |
| Total Provisions/Loan Loss Reserve | | | | | |
| Total Net Interest Earning Assets | 21,175,874 | 31,872,764 | 35,781,848 | 40,542,312 | 46,209,672 |
| Intangible Assets | | | | | |
| Other Non-Interest Earning Assets | 1,467,125 | 1,998,002 | 1,685,512 | 1,793,687 | 1,913,635 |
| Total Non-Interest Earning Assets | 1,547,291 | 2,111,992 | 1,810,901 | 1,931,614 | 2,065,356 |
| Cash And Marketable Securities | 1,937,651 | 2,191,474 | 3,090,614 | 4,084,954 | 5,209,690 |
| Long-term Investments | | | | | |
| Total Assets | 24,660,814 | 36,176,232 | 40,683,364 | 46,558,880 | 53,484,716 |
| Customer Interest-Bearing Liabilities | 18,833,944 | 23,797,862 | 28,161,158 | 33,732,332 | 40,362,252 |
| Bank Deposits | | | | | |
| Interest Bearing Liabilities: Others | | | | | |
| Total Interest-Bearing Liabilities | 20,901,600 | 30,419,394 | 34,314,608 | 39,381,732 | 45,456,824 |
| Banks Liabilities Under Acceptances | | | | | |
| Total Non-Interest Bearing Liabilities | 957,223 | 1,354,379 | 1,390,378 | 1,588,606 | 1,820,087 |
| Total Liabilities | 21,858,824 | 31,773,772 | 35,704,988 | 40,970,336 | 47,276,908 |
| Shareholders Equity | 2,801,990 | 4,402,458 | 4,978,376 | 5,588,544 | 6,207,808 |
| Minority Interests | | | | | |
| Total Equity | 2,801,990 | 4,402,458 | 4,978,376 | 5,588,544 | 6,207,808 |

Key Ratios

| | Mar-23A | Mar-24A | Mar-25F | Mar-26F | Mar-27F |
|--|---------|---------|---------|---------|---------|
| Total Income Growth | 20.6% | 25.0% | 27.4% | 17.0% | 16.3% |
| Operating Profit Growth | 10.6% | 33.6% | 26.6% | 17.0% | 17.0% |
| Pretax Profit Growth | 19% | 21% | 43% | 15% | 16% |
| Net Interest To Total Income | 73.6% | 68.8% | 71.1% | 71.3% | 71.4% |
| Cost Of Funds | 3.90% | 5.84% | 5.49% | 5.10% | 4.66% |
| Return On Interest Earning Assets | 8.2% | 9.7% | 9.3% | 9.2% | 8.9% |
| Net Interest Spread | 4.30% | 3.90% | 3.85% | 4.06% | 4.24% |
| Net Interest Margin (Avg Deposits) | 5.05% | 5.09% | 5.32% | 5.23% | 5.08% |
| Net Interest Margin (Avg RWA) | | | | | |
| Provisions to Pre Prov. Operating Profit | 17% | 25% | 17% | 18% | 18% |
| Interest Return On Average Assets | 3.83% | 3.57% | 3.60% | 3.71% | 3.76% |
| Effective Tax Rate | 24.6% | 14.2% | 20.4% | 21.5% | 23.5% |
| Net Dividend Payout Ratio | 31.7% | 24.4% | 28.4% | 33.3% | 40.4% |
| Return On Average Assets | 1.95% | 2.00% | 2.09% | 2.10% | 2.08% |

SOURCE: INCRED RESEARCH, COMPANY REPORTS

DISCLAIMER

This report (including the views and opinions expressed therein, and the information comprised therein) has been prepared by Incred Research Services Private Ltd. (formerly known as Earnest Innovation Partners Private Limited) (hereinafter referred to as "IRSPL"). IRSPL is registered with SEBI as a Research Analyst vide Registration No. INH000011024. Pursuant to a trademark agreement, IRSPL has adopted "Incred Equities" as its trademark for use in this report.

The term "IRSPL" shall, unless the context otherwise requires, mean IRSPL and its affiliates, subsidiaries and related companies. This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject IRSPL and its affiliates/group companies to registration or licensing requirements within such jurisdictions.

This report is being supplied to you strictly on the basis that it will remain confidential. No part of this report may be (i) copied, photocopied, duplicated, stored or reproduced in any form by any means; or (ii) redistributed or passed on, directly or indirectly, to any other person in whole or in part, for any purpose without the prior written consent of IRSPL.

The information contained in this report is prepared from data believed to be correct and reliable at the time of issue of this report.

IRSPL is not required to issue regular reports on the subject matter of this report at any frequency and it may cease to do so or change the periodicity of reports at any time. IRSPL is not under any obligation to update this report in the event of a material change to the information contained in this report. IRSPL has not any and will not accept any, obligation to (i) check or ensure that the contents of this report remain current, reliable or relevant; (ii) ensure that the content of this report constitutes all the information a prospective investor may require; (iii) ensure the adequacy, accuracy, completeness, reliability or fairness of any views, opinions and information, and accordingly, IRSPL and its affiliates/group companies (and their respective directors, associates, connected persons and/or employees) shall not be liable in any manner whatsoever for any consequences (including but not limited to any direct, indirect or consequential losses, loss of profits and damages) of any reliance thereon or usage thereof.

Unless otherwise specified, this report is based upon reasonable sources. Such sources will, unless otherwise specified, for market data, be market data and prices available from the main stock exchange or market where the relevant security is listed, or, where appropriate, any other market. Information on the accounts and business of company(ies) will generally be based on published statements of the company(ies), information disseminated by regulatory information services, other publicly available information and information resulting from our research. Whilst every effort is made to ensure that statements of facts made in this report are accurate, all estimates, projections, forecasts, expressions of opinion and other subjective judgments contained in this report are based on assumptions considered to be reasonable as of the date of the document in which they are contained and must not be construed as a representation that the matters referred to therein will occur. Past performance is not a reliable indicator of future performance. The value of investments may go down as well as up and those investing may, depending on the investments in question, lose more than the initial investment. No report shall constitute an offer or an invitation by or on behalf of IRSPL and its affiliates/group companies to any person to buy or sell any investments.

The opinions expressed are based on information which are believed to be accurate and complete and obtained through reliable public or other non-confidential sources at the time made. (Information barriers and other arrangements may be established where necessary to prevent conflicts of interests arising. However, the analyst(s) may receive compensation that is based on his/their coverage of company(ies) in the performance of his/their duties or the performance of his/their recommendations. In reviewing this report, an investor should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest. Additional information is, subject to the duties of confidentiality, available on request. The report is not a "prospectus" as defined under Indian Law, including the Companies Act, 2013, and is not, and shall not be, approved by, or filed or registered with, any Indian regulator, including any Registrar of Companies in India, SEBI, any Indian stock exchange, or the Reserve Bank of India. No offer, or invitation to offer, or solicitation of subscription with respect to any such securities listed or proposed to be listed in India is being made, or intended to be made, to the public, or to any member or section of the public in India, through or pursuant to this report.

The research analysts, strategists or economists principally responsible for the preparation of this research report are segregated from the other activities of IRSPL. Information barriers and other arrangements have been established, as required, to prevent any conflicts of interests.

The research analysts, strategists or economists principally responsible for the preparation of this research report are segregated from the other activities of IRSPL. Information barriers and other arrangements have been established, as required, to prevent any conflicts of interests.

IRSPL may have issued other reports (based on technical analysis, event specific, short term views etc.) that are inconsistent with and reach different conclusion from the information presented in this report.

Holding of Analysts/Relatives of Analysts, IRSPL and Associates of IRSPL in the covered securities, as on the date of publishing of this report

| | Analyst/ Relative | Entity/ Associates |
|---|----------------------|-----------------------|
| any financial interests in the company covered in this report (subject company) and nature of such financial interest | YES | NO |
| actual/beneficial ownership of 1% or more in securities of the subject company at the end of the month immediately preceding the date of publication of the research report or date of the public appearance; | NO | NO |
| any other material conflict of interest at the time of publication of the research report or at the time of public appearance | NO | NO |
| received any compensation from the subject company in the past twelve months for investment banking or merchant banking or brokerage services or investment advisory or depository or distribution from the subject company in the last twelve months for products/services other than investment banking or merchant banking or broker- age services or investment advisory or depository or distribution from the subject company in the last twelve months | NO | NO |
| managed or co-managed public offering of securities for the subject company in the last twelve months | NO | NO |
| received any compensation or other benefits from the subject company or third party in connection with the research report | NO | NO |
| served as an officer, director or employee of the subject company | NO | NO |
| been engaged in market making activity for the subject company | NO | NO |

Analyst declaration

- The analyst responsible for the production of this report hereby certifies that the views expressed herein accurately and exclusively reflect his or her personal views and opinions about any and all of the issuers or securities analysed in this report and were prepared independently and autonomously in an unbiased manner.
- No part of the compensation of the analyst(s) was, is, or will be directly or indirectly related to the inclusion of specific recommendations(s) or view(s) in this report or based any specific investment banking transaction.
- The analyst(s) has(have) not had any serious disciplinary action taken against him/her(them).
- The analyst, strategist, or economist does not have any material conflict of interest at the time of publication of this report.
- The analyst(s) has(have) received compensation based upon various factors, including quality, accuracy and value of research, overall firm performance, client feedback and competitive factors.

IRSPL and/or its affiliates and/or its Directors/employees may own or have positions in securities of the company(ies) covered in this report or any securities related thereto and may from time to time add to or dispose of, or may be materially interested in, any such securities.

IRSPL and/or its affiliates and/or its Directors/employees may do and seek to do business with the company(ies) covered in this research report and may from time to time (a) buy/sell the securities covered in this report, from time to time and/or (b) act as market maker or have assumed an underwriting commitment in securities of such company(ies), and/or (c) may sell them to or buy them from customers on a principal basis and/or (d) may also perform or seek to perform significant investment banking, advisory, underwriting or placement services for or relating to such company(ies) and/or (e) solicit such investment, advisory or other services from any entity mentioned in this report and/or (f) act as a lender/borrower to such company and may earn brokerage or other compensation. However, Analysts are forbidden to acquire, on their own account or hold securities (physical or uncertificated, including derivatives) of companies in respect of which they are compiling and producing financial recommendations or in the result of which they play a key part.