

11 October 2023

India | Equity Research | Q2FY24 preview

Metals

Q2FY24 preview: Lower cost to the rescue

Q2FY24 is likely to see lower cost offsetting the impact of softer ferrous/LME prices. Besides, volume will likely stay upbeat, especially for ferrous companies. Key points: **1)** Shipments of all the major ferrous players likely to be up YoY, tracking steel consumption growth. **2)** Coking coal cost likely to be lower by USD40–50/te. **3)** Realisation for ferrous companies likely to be lower by INR2,500–3,000/te. **4)** Lower thermal cost due to better linkage rationalisation and e-auction price shall aid profitability for non-ferrous players. Going ahead, commentaries from the companies will be critical as the price-cost effect outlook (particularly for ferrous) is likely to take centre stage. Our top picks in the space are: JSPL (TP: INR 810; **BUY**); Jindal Stainless (TP: INR 610; **BUY**); and Shyam Metalics (TP: INR 690; **BUY**).

Better margins in the offing

We expect EBITDA/te to improve for all ferrous companies owing to the positive price-cost effect. Key points: **1)** Despite seasonally weak Q2FY24, volume growth of 4–6% YoY is likely on average for ferrous players. **2)** Blended realisation for ferrous players likely to decline by INR2,500–3,000/te due to lower spot prices and absence of carry-over of exports booked in the prior period at higher prices. **3)** Blended realisation for longs players (particularly in secondary sector) is likely to decline more than flats. **4)** Iron ore cost likely to witness marginal decline while coking coal cost is likely to decline by USD40–50/te QoQ. **5)** Non-ferrous likely to see flat margins QoQ as lower thermal cost should mitigate the impact of lower LME prices. **6)** In case of mining companies (NMDC and Coal India), robust volumes YoY shall partially mitigate the adverse impact of lower realisation.

Stocks in focus

We see five stocks being in focus in Q2FY24: **1) SAIL:** Likely to see the maximum improvement in EBITDA/t compared to peers, owing to higher price-cost benefit and volume growth. **2) Hindalco:** Sales volume at Novelis likely to improve by 5% QoQ as supplies pick up; EBITDA/t is likely to improve further as a result of higher recycling. **3) APL Apollo:** Likely to report record performance on the back of best-ever sales volume and ramp up of value added capacity at Raipur. **4) Tata Steel:** Re-lining expenses at Ijmuiden and neutral price-cost impact at TSE might plunge, thickening TSE's EBITDA level loss to USD150/te (last three quarters at USD90–95/t loss). **5) Shyam Metalics:** Expect stable EBITDA margin at 11.1% despite lower realisation/volume on a QoQ-basis as longs prices in secondary segment fared worse than the primary market.

Outlook: Hinging on management commentary

For ferrous players, the recent uptick in coking coal cost has eroded the spot spreads; hence, we would keep a close watch on management commentary, particularly on realisation and coking coal's cost trajectory. For non-ferrous companies, we would watch out for thermal coal cost and changes in procurement mix. We remain positive on the sector with JSPL (TP: INR 810; **BUY**); Jindal Stainless (TP: INR 610; **BUY**); and Shyam Metalics (TP: INR 690; **BUY**) as or top picks.

Amit Dixit

amit.dixit@icicisecurities.com
+91 22 6807 7289

Mohit Lohia

mohit.lohia@icicisecurities.com

Pritish Urumkar

Pritish.urumkar@icicisecurities.com

APL Apollo (BUY)

Coal India (BUY)

Jindal Steel (BUY)

Jindal Stainless (BUY)

NMDC (BUY)

Shyam Metalics (BUY)

Hindalco (ADD)

SAIL (ADD)

Tata Steel (ADD)

JSW Steel (HOLD)

NALCO (HOLD)

Exhibit 1: Q2FY24E Preview

| (INR mn) | Sales | | | EBITDA | | | PAT | | |
|------------------|----------|--------|--------|---------|--------|--------|---------|---------|---------|
| Company | Q2FY24E | %YoY | %QoQ | Q2FY24E | %YoY | %QoQ | Q2FY24E | %YoY | %QoQ |
| JSW Steel | 4,11,414 | (1.5) | (2.5) | 69,588 | 297.2 | (1.2) | 23,448 | (376.5) | (3.1) |
| Tata Steel | 5,63,043 | (6.0) | (5.4) | 44,156 | (27.1) | (14.7) | -1,611 | (110.6) | (125.4) |
| JSPL | 1,21,246 | (10.3) | (3.7) | 23,685 | 22.6 | (9.9) | 10,602 | (5.2) | (37.3) |
| SAIL | 2,70,650 | 3.1 | 11.1 | 27,214 | 271.4 | 65.1 | 9,540 | (347.3) | 349.0 |
| SMEL | 29,050 | (5.8) | (12.2) | 3,225 | 32.4 | (20.4) | 1,700 | 53.3 | (27.7) |
| Hindalco | 5,35,586 | (4.7) | 1.1 | 60,075 | 12.0 | 5.1 | 26,681 | 21.0 | 8.7 |
| NALCO | 30,837 | (11.6) | (3.0) | 5,037 | 50.7 | (15.2) | 2,826 | 81.9 | (17.9) |
| Jindal Stainless | 1,03,600 | 90.4 | 3.3 | 11,424 | 177.8 | 2.2 | 6,836 | 261.3 | 2.7 |
| APL Apollo | 44,157 | 14.8 | 0.3 | 3,367 | 45.2 | 9.6 | 2,161 | 43.9 | 11.6 |
| NMDC | 42,164 | 26.7 | (21.8) | 13,485 | 57.9 | (32.4) | 10,683 | 20.2 | (35.7) |

Source: I-Sec research, Company data

Exhibit 2: Target Price & Ratings

| Stock | TP | Recommendation | Methodology |
|------------------|-------|----------------|-------------------|
| Tata Steel | 150 | ADD | 6x FY25E EBITDA |
| JSW Steel | 755 | HOLD | 6.6x FY25E EBITDA |
| Jindal Steel | 810 | BUY | 6x FY25E EBITDA |
| SAIL | 100 | ADD | 6x FY25E EBITDA |
| Hindalco | 500 | ADD | 6x FY25E EBITDA |
| NMDC | 180 | BUY | 5.5x FY25E EBITDA |
| Jindal Stainless | 610 | BUY | 8x FY25E EBITDA |
| Shyam Metalics | 690 | BUY | 6x FY25E EBITDA |
| NALCO | 94 | HOLD | 5x FY25E EBITDA |
| APL Apollo | 1,930 | BUY | 40x FY25E EPS |
| Coal India | 325 | BUY | 7.2x FY25E EPS |

Source: I-Sec research

Exhibit 3: Key Drivers

| | Q2FY24E | Q2FY23 | Q1FY24 | % growth (YoY) | % growth (QoQ) |
|--------------------------|---------|--------|--------|----------------|----------------|
| USD:INR | 82.7 | 79.8 | 82.2 | 3.6 | 0.5 |
| HRC price (INR/te) | 56,882 | 57,340 | 58,294 | (0.8) | (2.4) |
| Longs (INR/te) | 52,611 | 57,763 | 57,057 | (8.9) | (7.8) |
| Alumina (USD/te) | 336 | 339 | 349 | (0.9) | (3.9) |
| Aluminium (USD/te) | 2,156 | 2,356 | 2,264 | (8.5) | (4.7) |
| Zinc (USD/te) | 2,430 | 3,283 | 2,525 | (26.0) | (3.8) |
| Copper (USD/te) | 8,378 | 7,758 | 8,460 | 8.0 | (1.0) |
| Lead (USD/te) | 2,172 | 1,977 | 2,118 | 9.8 | 2.6 |
| Silver (USD/oz) | 23.6 | 19.2 | 24.3 | 22.9 | (2.5) |
| HR Coil- Europe (USD/te) | 721 | 816 | 860 | (11.7) | (16.2) |

Source: I-Sec research, Bloomberg, SteelMint

Exhibit 4: Operating performance

| Shipments (mnmt) | Q2FY24E | Q2FY23 | Q1FY24 | % growth (YoY) | % growth (QoQ) |
|-------------------|---------|--------|--------|----------------|----------------|
| Tata Steel | 4.55 | 4.75 | 4.45 | (4.3) | 2.3 |
| Tata Steel Europe | 1.79 | 1.87 | 1.99 | (4.3) | (10.1) |
| JSPL | 1.96 | 2.01 | 1.84 | (2.5) | 6.5 |
| JSW Steel | 5.18 | 5.10 | 4.93 | 1.5 | 5.0 |
| SAIL | 4.50 | 4.21 | 3.88 | 6.9 | 16.0 |
| Jindal Stainless* | 0.56 | 0.27 | 0.55 | 107.1 | 2.1 |
| APL Apollo | 0.67 | 0.60 | 0.66 | 12.0 | 2.0 |
| Hindalco | | | | | |
| Aluminium (kt) | 335 | 341 | 341 | (1.8) | (1.8) |
| Copper (kt) | 115 | 112 | 118 | 2.7 | (2.5) |
| Novelis (kt) | 923 | 984 | 879 | (6.2) | 5.0 |
| Coal India | 174 | 155 | 187 | 12.3 | (7.2) |
| NMDC | 9.4 | 8.4 | 11.0 | 11.5 | (14.4) |

Source: I-Sec research, Company data, , *Prior period numbers are comparable for Jindal stainless

Exhibit 5: Profitability outlook

| EBITDA/te - (INR) | Q2FY24E | Q2FY23 | Q1FY24 | % growth (YoY) | % growth (QoQ) |
|-----------------------------|---------|--------|--------|----------------|----------------|
| Tata Steel- standalone | 15,019 | 10,192 | 14,528 | 47.4 | 3.4 |
| Tata Steel Europe (US\$) | (146) | 126 | (96) | NM | NM |
| JSPL- standalone | 12,281 | 9,077 | 14,414 | 35.3 | (14.8) |
| JSW Steel- standalone | 10,541 | 9,077 | 9,860 | 16.1 | 6.9 |
| SAIL | 6,048 | 1,740 | 4,250 | 247.5 | 42.3 |
| Jindal Stainless* | 20,400 | 15,208 | 20,375 | 34.1 | 0.1 |
| APL Apollo | 4,990 | 3,850 | 4,645 | 29.6 | 7.4 |
| Hindalco - Aluminium (US\$) | 758 | 570 | 743 | 33.1 | 2.1 |
| Novelis (US\$) | 484 | 514 | 479 | (5.9) | 1.1 |
| Coal India | 381 | 471 | 562 | (19.1) | (32.3) |
| NMDC | 1,435 | 1,013 | 1,816 | 41.6 | (21.0) |

Source: I-Sec research, Company data, , *Prior period numbers are comparable for Jindal stainless

Exhibit 6: Performance snapshot – Ferrous

| (INR mn) | | Q2FY24E | Q2FY23 | Q1FY24 | % growth (YoY) | % growth (QoQ) | Comments |
|---|----------|----------|----------|----------|-------------------|-------------------|--|
| JSW (Consolidated) | Revenues | 4,11,414 | 4,17,780 | 4,22,130 | (1.2) | (2.2) | India business volume likely to improve by 5% QoQ. Besides, positive price-cost effect is likely to lead to margins improvement. However, we expect the performance of subsidiaries to stay relatively subdued. Coated products likely to be impacted by lower CRC-HRC spread while US subsidiaries likely to incur inventory related losses amidst falling HRC prices |
| | EBITDA | 69,588 | 17,520 | 70,460 | 311.3 | 2.3 | |
| | PAT | 23,448 | (8,480) | 24,190 | NM | 4.1 | |
| | EPS | 9.7 | (3.5) | 10.0 | NM | 4.1 | |
| Tata Steel (Consolidated) | Revenues | 5,63,043 | 5,98,775 | 5,94,897 | (6.0) | (5.4) | Expect slight expansion in India EBITDA. However, loss at TSE level is expected to expand owing to negative price-cost effect and re-lining cost for blast furnace at Ijmuiden. TSLP likely to report subdued EBITDA owing to higher decline in longs prices in Q2FY24 |
| | EBITDA | 44,156 | 60,603 | 51,739 | (27.1) | (14.7) | |
| | PAT | (1,611) | 25,227 | 6,339 | NM | NM | |
| | EPS | (0.1) | 2.2 | 0.6 | NM | NM | |
| Jindal Steel & Power (Consolidated) | Revenues | 1,21,246 | 1,35,214 | 1,25,883 | (10.3) | (3.7) | Performance likely to be impacted by sharper decline in longs prices compared to flats. However, higher pellet sales as a result of commissioning of 6mtpa pellet plant is likely to aid EBITDA. Profitability of mining operations is likely to remain flat QoQ |
| | EBITDA | 23,685 | 19,314 | 26,280 | 22.6 | (9.9) | |
| | PAT | 10,602 | 11,178 | 16,920 | (5.2) | (37.3) | |
| | EPS | 9.6 | 10.1 | 15.3 | (5.2) | (37.3) | |
| SAIL | Revenues | 2,70,650 | 2,62,463 | 2,43,591 | 3.1 | 11.1 | Sales volume likely to stay robust due to traction from government projects as a result of tepid monsoon in Aug-23. Biggest beneficiary of lower coking coal prices. We expect debt reduction of INR12-15bn mainly due to working capital unlocking |
| | EBITDA | 27,214 | 7,327 | 16,488 | 271.4 | 65.1 | |
| | PAT | 9,540 | (3,858) | 2,125 | NM | 349.0 | |
| | EPS | 2.3 | (0.9) | 0.5 | NM | 349.0 | |
| SMEL | Revenues | 29,050 | 30,852 | 33,068 | (5.8) | (12.2) | Performance to stay slightly soft QoQ owing to lower volume and prices. However, on YoY basis, the performance is likely to improve due to capacity ramp up and lower thermal cost prices. Expect EBITDA margin at 11.1% |
| | EBITDA | 3,225 | 2,436 | 4,049 | 32.4 | (20.4) | |
| | PAT | 1,700 | 1,109 | 2,352 | 53.3 | (27.7) | |
| | EPS | 6.7 | 4.3 | 9.2 | 53.3 | (27.7) | |

Source: I-Sec research, Company data

Exhibit 7: Performance snapshot – Non-ferrous

| (INR mn) | | Q2FY24E | Q2FY23 | Q1FY24 | % growth (YoY) | % growth (QoQ) | Comments |
|----------------------------|----------|----------|----------|----------|-------------------|-------------------|---|
| Hindalco (Consolidated) | Revenues | 5,35,586 | 5,61,760 | 5,29,910 | (4.7) | 1.1 | Expect steady performance led by higher volume at Novelis as beverage can market looks better and automotive segment volumes remain robust. On India-business, the impact of lower LME prices is likely to be offset by lower cost. Copper division's performance likely to stay firm on the back of higher by-product prices and value added sales |
| | EBITDA | 60,075 | 53,620 | 57,140 | 12.0 | 5.1 | |
| | PAT | 26,681 | 22,050 | 24,540 | 21.0 | 8.7 | |
| | EPS | 12.0 | 9.9 | 11.0 | 21.0 | 8.7 | |
| NALCO | Revenues | 30,837 | 34,896 | 31,784 | (11.6) | (3.0) | Expect performance to be impacted by lower LME Al and Alumina prices. However, lower coal cost YoY is likely to aid EBITDA |
| | EBITDA | 5,037 | 3,344 | 5,943 | 50.7 | (15.2) | |
| | PAT | 2,826 | 1,554 | 3,442 | 81.9 | (17.9) | |
| | EPS | 1.5 | 0.8 | 1.8 | 81.9 | (17.9) | |

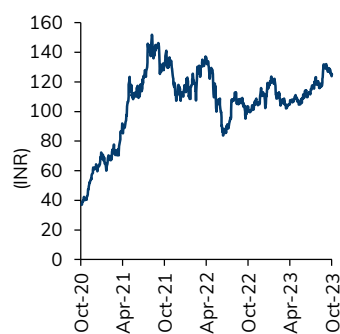
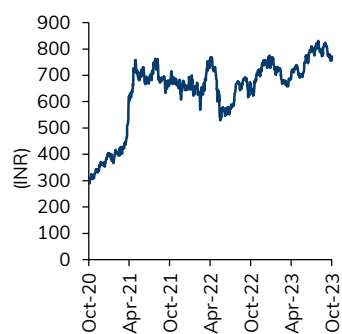
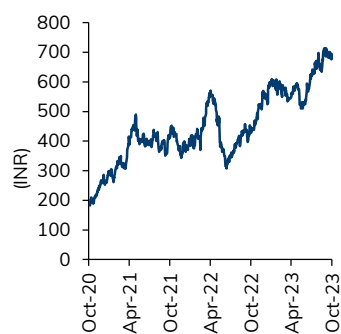
Source: I-Sec research, Company data

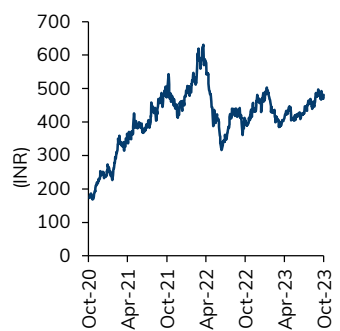
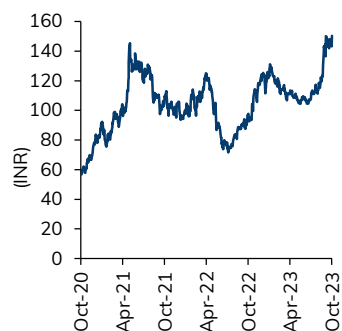
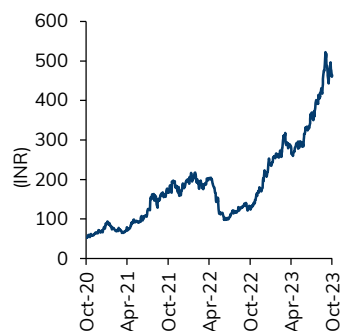
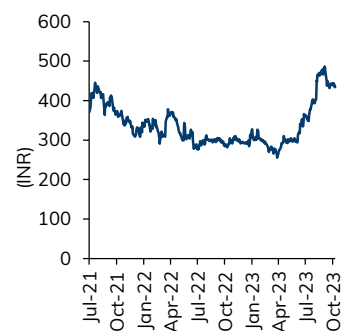
Exhibit 8: Performance snapshot – Others

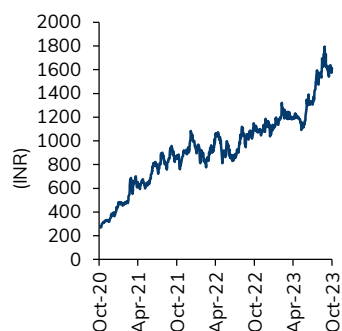
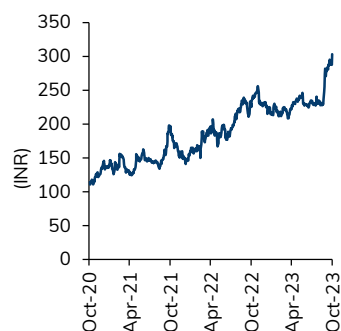
| (INR mn) | | Q2FY24E | Q2FY23 | Q1FY24 | % growth (YoY) | % growth (QoQ) | Comments |
|--------------------------------|----------|----------|----------|----------|----------------|----------------|--|
| Jindal Stainless* (Standalone) | Revenues | 1,03,600 | 54,424 | 1,00,273 | 90.4 | 3.3 | Expect slight improvement in both sales volume and profitability, despite it being a seasonally weak quarter. We expect product mix to tilt more towards 300 series as railway and construction segments are likely to do better |
| | EBITDA | 11,424 | 4,112 | 11,178 | 177.8 | 2.2 | |
| | PAT | 6,836 | 1,892 | 6,657 | 261.3 | 2.7 | |
| | EPS | 14.3 | 3.9 | 13.9 | 261.3 | 2.7 | |
| APL Apollo | Revenues | 44,157 | 38,456 | 44,025 | 14.8 | 0.3 | Expect performance to be aided by higher sales volume as well as improvement in profitability owing to ramp up of larger diameter pipe capacity at Raipur plant |
| | EBITDA | 3,367 | 2,319 | 3,072 | 45.2 | 9.6 | |
| | PAT | 2,161 | 1,502 | 1,936 | 43.9 | 11.6 | |
| | EPS | 8.6 | 6.0 | 7.7 | 43.9 | 11.6 | |
| Coal India | Revenues | 3,17,518 | 2,98,381 | 3,59,832 | 6.4 | (11.8) | Performance likely to be impacted by lower e-auction prices. However, volume growth YoY is likely to offset the adverse impact of wage hike. We expect FSA realisation to improve further owing to higher linkage sales |
| | EBITDA | 66,114 | 72,802 | 1,05,139 | (9.2) | (37.1) | |
| | PAT | 68,314 | 76,875 | 1,07,123 | (11.1) | (36.2) | |
| | EPS | 11.1 | 12.5 | 17.4 | (11.1) | (36.2) | |
| NMDC (Standalone) | Revenues | 42,164 | 33,285 | 53,947 | 26.7 | (21.8) | Performance likely to be impacted by lower realisation/volume QoQ. However, the improvement in performance on YoY basis is likely on the back of higher volume. |
| | EBITDA | 13,485 | 8,542 | 19,935 | 57.9 | (32.4) | |
| | PAT | 10,683 | 8,887 | 16,612 | 20.2 | (35.7) | |
| | EPS | 3.4 | 2.8 | 5.3 | 20.2 | (35.7) | |

Source: I-Sec research, Company data, *Prior period numbers are comparable for Jindal stainless

Price chart

Tata Steel

JSW Steel

Jindal Steel

SAIL

Hindalco

NMDC

Jindal Stainless

Shyam Metals

NALCO

APL Apollo

Coal India


Source: Bloomberg

"In case of industry/sector reports or a report containing multiple stocks, the rating/recommendation for a particular stock may be based on the last released stock specific report for that company."

This report may be distributed in Singapore by ICICI Securities, Inc. (Singapore branch). Any recipients of this report in Singapore should contact ICICI Securities, Inc. (Singapore branch) in respect of any matters arising from, or in connection with, this report. The contact details of ICICI Securities, Inc. (Singapore branch) are as follows: Address: 10 Collyer Quay, #40-92 Ocean Financial Tower, Singapore - 049315, Tel: +65 6232 2451 and email: navneet_babbar@icicisecuritiesinc.com, Rishi_agrawal@icicisecuritiesinc.com.

"In case of eligible investors based in Japan, charges for brokerage services on execution of transactions do not in substance constitute charge for research reports and no charges are levied for providing research reports to such investors."

New I-Sec investment ratings (all ratings based on absolute return; All ratings and target price refers to 12-month performance horizon, unless mentioned otherwise)
BUY: >15% return; ADD: 5% to 15% return; HOLD: Negative 5% to Positive 5% return; REDUCE: Negative 5% to Negative 15% return; SELL: < negative 15% return

ANALYST CERTIFICATION

I/We, Amit Dixit, PGDM, B.Tech; Mohit Lohia, CA; Pritish Urumkar, MBATech (Finance); authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report. Analysts are not registered as research analysts by FINRA and are not associated persons of the ICICI Securities Inc. It is also confirmed that above mentioned Analysts of this report have not received any compensation from the companies mentioned in the report in the preceding twelve months and do not serve as an officer, director or employee of the companies mentioned in the report.

Terms & conditions and other disclosures:

ICICI Securities Limited (ICICI Securities) is a full-service, integrated investment banking and is, inter alia, engaged in the business of stock broking and distribution of financial products. Registered Office Address: ICICI Venture House, Appasaheb Marathe Marg, Prabhadevi, Mumbai - 400 025. CIN: L67120MH1995PLC086241, Tel: (91 22) 6807 7100. ICICI Securities is Sebi registered stock broker, merchant banker, investment adviser, portfolio manager, Research Analyst and Alternative Investment Fund. ICICI Securities is registered with Insurance Regulatory Development Authority of India Limited (IRDAI) as a composite corporate agent and with PFRDA as a Point of Presence. ICICI Securities Limited Research Analyst SEBI Registration Number – INH000000990. ICICI Securities Limited SEBI Registration is INZ000183631 for stock broker. ICICI Securities AIF Trust's SEBI Registration number is IN/AIF3/23-24/1292 ICICI Securities is a subsidiary of ICICI Bank which is India's largest private sector bank and has its various subsidiaries engaged in businesses of housing finance, asset management, life insurance, general insurance, venture capital fund management, etc. ("associates"), the details in respect of which are available on www.icicibank.com.

ICICI Securities is one of the leading merchant bankers/ underwriters of securities and participate in virtually all securities trading markets in India. We and our associates might have investment banking and other business relationship with a significant percentage of companies covered by our Investment Research Department. ICICI Securities and its analysts, persons reporting to analysts and their relatives are generally prohibited from maintaining a financial interest in the securities or derivatives of any companies that the analysts cover.

Recommendation in reports based on technical and derivative analysis centre on studying charts of a stock's price movement, outstanding positions, trading volume etc as opposed to focusing on a company's fundamentals and, as such, may not match with the recommendation in fundamental reports. Investors may visit icicidirect.com to view the Fundamental and Technical Research Reports.

Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein.

ICICI Securities Limited has two independent equity research groups: Institutional Research and Retail Research. This report has been prepared by the Institutional Research. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, and target price of the Retail Research.

The information and opinions in this report have been prepared by ICICI Securities and are subject to change without any notice. The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of ICICI Securities. While we would endeavour to update the information herein on a reasonable basis, ICICI Securities is under no obligation to update or keep the information current. Also, there may be regulatory, compliance or other reasons that may prevent ICICI Securities from doing so. Non-rated securities indicate that rating on a particular security has been suspended temporarily and such suspension is in compliance with applicable regulations and/or ICICI Securities policies, in circumstances where ICICI Securities might be acting in an advisory capacity to this company, or in certain other circumstances. This report is based on information obtained from public sources and sources believed to be reliable, but no independent verification has been made nor is its accuracy or completeness guaranteed. This report and information herein is solely for informational purpose and shall not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. ICICI Securities will not treat recipients as customers by virtue of their receiving this report. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. The recipient should independently evaluate the investment risks. The value and return on investment may vary because of changes in interest rates, foreign exchange rates or any other reason. ICICI Securities accepts no liabilities whatsoever for any loss or damage of any kind arising out of the use of this report. Past performance is not necessarily a guide to future performance. Investors are advised to see Risk Disclosure Document to understand the risks associated before investing in the securities markets. Actual results may differ materially from those set forth in projections. Forward-looking statements are not predictions and may be subject to change without notice.

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

ICICI Securities or its associates might have received any compensation from the companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or co-managing public offerings, corporate finance, investment banking or merchant banking, brokerage services or other advisory service in a merger or specific transaction.

ICICI Securities or its associates might have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the companies mentioned in the report in the past twelve months.

ICICI Securities encourages independence in research report preparation and strives to minimize conflict in preparation of research report. ICICI Securities or its associates or its analysts did not receive any compensation or other benefits from the companies mentioned in the report or third party in connection with preparation of the research report. Accordingly, neither ICICI Securities nor Research Analysts and their relatives have any material conflict of interest at the time of publication of this report.

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

ICICI Securities or its subsidiaries collectively or Research Analysts or their relatives do not own 1% or more of the equity securities of the Company mentioned in the report as of the last day of the month preceding the publication of the research report.

Since associates of ICICI Securities and ICICI Securities as a entity are engaged in various financial service businesses, they might have financial interests or actual/ beneficial ownership of one percent or more or other material conflict of interest in various companies including the subject company/companies mentioned in this report.

ICICI Securities may have issued other reports that are inconsistent with and reach different conclusion from the information presented in this report.

Neither the Research Analysts nor ICICI Securities have been engaged in market making activity for the companies mentioned in the report.

We submit that no material disciplinary action has been taken on ICICI Securities by any Regulatory Authority impacting Equity Research Analysis activities.

This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject ICICI Securities and affiliates to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction.

This report has not been prepared by ICICI Securities, Inc. However, ICICI Securities, Inc. has reviewed the report and, in so far as it includes current or historical information, it is believed to be reliable, although its accuracy and completeness cannot be guaranteed.

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. None of the research recommendations promise or guarantee any assured, minimum or risk free return to the investors.

Name of the Compliance officer (Research Analyst): Mr. Atul Agrawal, Contact number: 022-40701000, **E-mail Address** : complianceofficer@icicisecurities.com

For any queries or grievances: [Mr. Prabodh Avadhoot](mailto:Mr.Prabodh.Avadhoot) Email address: headservicequality@icicidirect.com Contact Number: 18601231122
