## ITC Limited

## Best in Class on ESG - Summit Takeaway

8 December 2020

## Key Takeaway

Presenting at Jefferies India ESG Conference, Mr. Nazeeb Arif (Head - Corp. Communications) and Mr. Sanjib Bezbaroa (EVP - Corp. EHS) highlighted the role of ESG at ITC, with noteworthy achievements of being water/carbon/solid waste positive for well over a decade. This is evident from ITC's industry-leading ESG score across most Indian FMCG and global tobacco firms, and there are ambitious targets for 2030 as well.

Better than peers: ITC is rated AA by MSCI on ESG, the highest among global tobacco players and better than most Indian FMCG companies. This is backed by its strong credentials - ITC has been carbon positive for 15 years, water positive for 18 years and solid waste recycling positive for 13 years.

Carbon footprint: ITC focuses on both reducing own carbon footprint and increasing sequestration through afforestation. c. $41 \%$ of its energy use comes from renewable sources and efficiency is engrained in all its offices, hotels and even data centers. It works with local communities to drive afforestation - 820,000 acres of forest have been created till date leading to 150 million days of employment. ITC sequesters $2 x$ the amount of carbon dioxide it emits, with a target to reach $4 x$ by 2030.

Water usage: Apart from reducing its own consumption, ITC has created 19,000 rainwater harvesting structures, covering 1.2 million acres. In fact, it harvests $3 x$ its net water consumption, which should increase to $5 x$ by 2030. ITC also works with farmers to improve water efficiency in agriculture. Started a year ago, the program has covered c.200,000 acres and substantial water savings have been achieved.

Waste: ITC runs a 'Well-being out of waste (WOW)' program, which covers 12.5 million citizens and provides livelihoods to 16,200 waste collectors. Its R\&D is also working on new-age bio-degradable and recyclable boards and sustainable packaging materials.

E-Choupal: ITC's E-Choupal platform, through its 6,100 centers, focuses on improved market access and productivity for c. 4 million farmers across 35,000 villages.

Social initiatives: Some of ITC's social initiatives include; i). Supplementary education provided to 781,000 children; ii). Sustainable livelihood opportunities for 76,000 women; iii). 86,000 youth trained through vocational training program; and, iv) 37,700 sanitation units created. ITC promotes greater women participation, even in its manufacturing facilities - for example, $60 \%$ of the workforce in its Nanjangud unit are women.

Governance: Independent directors have a $50 \%$ representation on ITC's board. It follows a 3-tiered management structure, which allows each business to function independently and yet ensure synergies across the business are tapped. Policies on sustainability and other aspects of corporate governance are clearly defined.

Aggressive future targets: By 2030, ITC intends to increase the share of renewable energy to $50 \%$ (vs. $41 \%$ now), reduce specific energy consumption by $30 \%$, specific GHG emission by $50 \%$ and specific water consumption by $40 \%$ over FY19 levels. It would also move to $100 \%$ recyclable, reusable or compostable plastic packaging by 2030.

## COMPANY UPDATE

India | Consumer Staples

| RATING | BUY |
| :--- | ---: |
| PRICE | INR203.10^ |
| MARKET CAP | INR2.5T / INR2.5T |
| PRICE TARGET (PT) | INR265 |
| UPSIDE SCENARIO PT | INR320.00 |
| DOWNSIDE SCENARIO PT | INR155.00 |

${ }^{\wedge}$ Prior trading day's closing price unless otherwise noted.

## FY Mar

| INR | 2020 A | 2021 E | 2022 E | 2023 E |
| :--- | :---: | :---: | :---: | :---: |
| EPS | 11.59 | 10.71 | 12.11 | 13.26 |
| FY P/E | $17.5 x$ | $19.0 x$ | $16.8 x$ | $15.3 x$ |

## Speaker Profile

Mr. Nazeeb Arif is the EVP and Head of Corporate Communications of ITC. He is a Member of ITC's Sustainability Compliance Review Committee and is also the Liaison Delegate in the World Business Council for Sustainable Development, Geneva, representing ITC. Mr Arif's professional experience spans 34 years. Prior to joining ITC in 2006, he led the Indian Chamber of Commerce (ICC) as its Secretary-General and CEO. At ICC, he was awarded the United States Asia Environmental Partnership -"Environmental Leadership Award".

Mr. Sanjib Bezbaroa is the EVP - Corporate EHS at ITC. He has been with the company for close to 25 years across several positions. Prior to that, he has worked with the Tata Group.

Vivek Maheshwari *
Equity Analyst
+91 2242246135
vmaheshwari@jefferies.com
Kunal Shah *
Equity Associate
+91 (22) 42246111 kshah5@jefferies.com

Jithin John *
Equity Associate
+91 2242246126
jjohn@jefferies.com

## ITC LIMITED (ITC IN)

| Estimates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| INR | 2020A | 2021E | $2022 E$ | 2023E |
| Rev. (MM) | 451,361 | 436,930 | 509,167 | 560,589 |
| Previous |  |  |  |  |
| EBITDA (MM) | 179,042.5 | 160,293.3 | 187,000.2 | 205,728.1 |
| Previous |  |  |  |  |
| Net Profit | 142,481.6 | 131,695.0 | 148,825.3 | 162,996.9 |
| Previous |  |  |  |  |
| BV/Share | 52.09 | 52.65 | 55.26 | 57.52 |
| Previous |  |  |  |  |
| RoaE | 23.4\% | 20.5\% | 22.4\% | 23.5\% |
| Previous |  |  |  |  |
| EPS | 11.59 | 10.71 | 12.11 | 13.26 |
| Previous |  |  |  |  |


|  | Valuation |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
|  | 2020 A | 2021 E | 2022 E | 2023 E |
| EV/Rev | 5.0 x | 5.1 x | 4.4 x | 4.0 x |
| P/Rev | 5.5 x | 5.7 x | 4.9 x | 4.5 x |
| EV/EBITDA | 12.5 x | 14.0 x | 12.0 x | 10.9 x |
| P/B | 3.9 x | 3.9 x | 3.7 x | 3.5 x |
| FY P/E | $17.5 x$ | $19.0 x$ | 16.8 x | 15.3 x |


| Market Data |  |
| :--- | ---: |
| 52-Week Range: | INR247.90 |
| INR134.95 |  |
| Total Entprs. Value | INR2.2T |
| Avg. Daily Value MM (USD) | 82.44 |
| Float (\%) | $62.5 \%$ |

## The Long View

## Scenarios

## Base Case

In our base case, we forecast a c.3\% annual growth in Cigarette Ebit over FY20-23E and a c.15\% growth in FMCG revenues. Cigarette margins are expected to expand by $\sim 180$ bps over FY20-23E as increase in consumer prices should more than offset tax hikes, although at the cost of lower volumes. The agri, paperboard and hotel businesses, after seeing a decline in FY21 on account of Covid-19, are expected to see a sharper recovery in FY22. We use SOTP methodology to value ITC cigarette business at $15 x$ Sep-22 earnings, new FMCG at $4 x$ Sep- 22 sales, Agri and paperboard businesses at $15 \times$ Sep-22 EPS, and hotels at $1 \times$ Sep- 21 invested capital to arrive at a price target of Rs265/sh.

## Upside Scenario

In our upside scenario, we forecast c.7\% annual growth in cigarette EBIT over FY20-23E and c.17\% growth in FMCG revenues. Cigarette margins are expected to expand by ~230bps over FY20-23E as increase in consumer prices more than offsets tax hikes. Cigarette volumes are expected to remain robust, buoyed by a rural recovery in FY22. Strong FMCG sales and margins driven by lower crude and cuts in ad spends are expected to support overall earnings growth. We use SOTP methodology to value ITC cigarette business at $17 x$ Sep- 22 earnings, new FMCG at $5 x$ Sep- 22 sales, Agri and paperboard businesses at 18 x Sep-22 EPS, and hotels at $1.2 x$ Sep- 21 invested capital to arrive at a price target of Rs320/sh.

## Downside Scenario

In our downside scenario, we forecast a $2 \%$ decline in Cigarette EBIT over FY20-23E and c.13\% growth in FMCG revenues. Cigarette margins are expected to remain flat over FY20-23E as increase in consumer prices just offsets tax hikes, but at the cost of lower volumes. Rural recovery is expected to be pushed out to FY22. We use SOTP methodology to value ITC cigarette business at 8 x Sep-22 earnings, new FMCG at 3 x Sep- 22 sales, Agri and paperboard businesses at 10x Sep-22 EPS, and hotels at $1 \times$ Sep- 21 invested capital to arrive at a price target of Rs $155 /$ sh.

## Investment Thesis / Where We Differ

We are c.5-8\% below consensus on FY22-23 earnings. However, given the Covid-19 related concerns, we find consumer staple firms relatively better placed given the defensive nature of the business. Businesses with strong cashflows and robust balance sheets may be preferred during a period of disruption.

## Catalysts

## Upside catalysts

- Volume recovery in cigarette business as Covid-19 issues settle down
- Margin expansion in new FMCG business led by cost optimisation
- Strong cash flows and balance sheet strength to help during the Covid-19 induced disruption


## Downside catalysts

Sharp rise in taxation - GST or NCCD

- Potential change in smoker behaviour post the lockdown period
- Certain set of ESG investors can no longer invest in tobacco due to ESG focus

Exhibit 1 - ITC has delivered strong ESG outcomes


Source: Company, Jefferies

## Reduction in carbon footprint

Exhibit 3 - Initiatives to reduce carbon footprint


Source: Company, Jefferies

Exhibit 5 - Example of eco-restoration done by ITC


Source: Company, Jefferies

Exhibit 2 - Key focus areas for ITC's ESG initiatives

|  | ESG KEY FOCUS AREAS |  |
| :---: | :---: | :---: |
| Environment | Social | Governance |
| - Climate Resilience <br> - Water Security <br> - Afforestation <br> - Bio-Diversity <br> - Renewable Energy <br> - Green Buildings <br> - Solid Waste Mgmt <br> - Focus on Plastics <br> - Physical Risk Mitigation | - Sustainable Livelihoods <br> - Empowering Farmers <br> - NextGeneration Agriculture <br> - Building Resilient Communities <br> - Public-Private-People partnerships <br> - Employee welfare <br> - Supply Chain Partners <br> - Sustainable Choices for Consumers <br> - Supporting strategic institutions | - 3-tier Governance Structure <br> - Ethics \& Integrity <br> - Code of Conduct <br> - Strategic Risk Management <br> - Board oversight and approved policies to guide strategy and action <br> - Sustainability Compliance \& Review <br> - Remuneration Policy |
| Source: Company, Je | ies |  |

Exhibit 4 - Target to double sequestration level by 2030


Source: Company, Jefferies
Exhibit 6 - Widespread use of renewable energy sources

## 41.2\%

of ITC's energy is from renewable sources

7 ITC units met more than

$$
90 \% \text { © }
$$

of their electrical energy requirements from renewable sources in 2019-20


As part of its 2030 Goals ITC is committed to achieving sequestration of over

## 4 times

The CO2 emissions from operations by 2030

## Water conservation

Exhibit 7 - Creating structures for rainwater harvesting


Source: Company, Jefferies

Exhibit 8 - Improving water use efficiency in agriculture

AImproving Water Use Efficiency in Agriculture More Crop Per Drop


- Water Savings achieved in 1 year = 20 years of fresh water harvesting
- Reduce water use and costs, improve yields
- 2,09,000 acres covered

Source: Company, Jefferies

## Solid waste management

Exhibit 9 - Initiatives to manage solid waste


Source: Company, Jefferies

## Empowering farmers

Exhibit 11 -e-Choupal platform empowers c .4 mn farmers through a network of 6,000+ centers


Source: Company, Jefferies

Exhibit 12 -e-Choupal 4.0 will focus on a full array of solutions to empower the farmer


Source: Company, Jefferies

Exhibit 13-Several other social initiatives

# ITC's Social Investments Initiatives 



Achieved:364,240*
Target: 630,000*

Livelihoods Today

Horizon 2: Creating Capabilities For Tomorrow


Achieved: 567,737*
Target: 3,000,000*

Biodiversity


Achieved: 17,456*
Target:100,000*

Women's Empowerment


Covered: 72,402
Target:150,000

Source: Company, Jefferies

Exhibit 14 - Contributing to UN sustainable development goals


Source: Company, Jefferies

Exhibit 15-Ambitious targets for the next decade


Source: Company, Jefferies
Exhibit 16 - Multi-tiered governance structure


Source: Company, Jefferies

## Exhibit 17 - Income statement

| (Year end March; Rsm) | FY18 | FY19 | FY20 | FY21E | FY22E | FY23E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Seqmental net revenues |  |  |  |  |  |  |
| Ciqarettes | 186,416 | 198,343 | 200,141 | 176,624 | 195,350 | 210,529 |
| \% YoY | 2.3 | 6.4 | 0.9 | (11.8) | 10.6 | 7.8 |
| New FMCG | 113,286 | 125,053 | 128,442 | 145,140 | 171,289 | 192,700 |
| \% YoY | 8.1 | 10.4 | 2.7 | 13.0 | 18.0 | 12.5 |
| Hotels | 14,175 | 16,654 | 18,373 | 6,430 | 11,575 | 13,311 |
| \% YoY | 5.7 | 17.5 | 10.3 | (65.0) | 80.0 | 15.0 |
| Aari Business | 80,677 | 93,965 | 102,407 | 111,624 | 128,367 | 141,204 |
| \% YoY | (2.4) | 16.5 | 9.0 | 9.0 | 15.0 | 10.0 |
| Paperboards | 52,496 | 58,602 | 61,072 | 56,186 | 64,614 | 71,075 |
| \% YoY | 3.9 | 11.6 | 4.2 | (8.0) | 15.0 | 10.0 |
| Total | 447,050 | 492,617 | 510,435 | 496,004 | 571,195 | 628,820 |
| \% YoY | 3.1 | 10.2 | 3.6 | (2.8) | 15.2 | 10.1 |
| Less : Inter-seament revenue | 50,005 | 49,190 | 59,074 | 59,074 | 62,028 | 68,231 |
| \% YoY | 13.9 | (1.6) | 20.1 | - | 5.0 | 10.0 |
| Net sales / Income from operations | 397,044 | 443,427 | 451,361 | 436,930 | 509,167 | 560,589 |
| \% YoY | 1.9 | 11.7 | 1.8 | (3.2) | 16.5 | 10.1 |
| Segmental Ebit |  |  |  |  |  |  |
| Cigarettes | 133,408 | 145,511 | 148,526 | 130,679 | 146,141 | 158,842 |
| \% Marain | 71.6 | 73.4 | 74.2 | 74.0 | 74.8 | 75.4 |
| \% YoY | 6.6 | 9.1 | 2.1 | (12.0) | 11.8 | 8.7 |
| New FMCG | 1,641 | 3,157 | 4,231 | 9,500 | 11,739 | 13,500 |
| \% Marain | 1.4 | 2.5 | 3.3 | 6.5 | 6.9 | 7.0 |
| \% Yor | 483.6 | 92.4 | 34.0 | 124.6 | 23.6 | 15.0 |
| Hotels | 1,398 | 1,777 | 1,578 | $(4,200)$ | 1,273 | 1,597 |
| \% Marain | 9.9 | 10.7 | 8.6 | (65.3) | 11.0 | 12.0 |
| \% YoY | 26.0 | 27.1 | (17.2) | (366.2) | (130.3) | 25.5 |
| Agri Business | 8,486 | 7,766 | 7,889 | 8,050 | 9,242 | 10,449 |
| \% Marain | 10.5 | 8.3 | 7.7 | 7.2 | 7.2 | 7.4 |
| \% YoY | (6.3) | (8.5) | 1.6 | 2.0 | 14.8 | 13.1 |
| Paperboards | 10,422 | 12,392 | 13,053 | 11,450 | 13,168 | 14,662 |
| \% Marain | 19.9 | 21.1 | 21.4 | 20.4 | 20.4 | 20.6 |
| \% Yor | 7.9 | 18.9 | 5.3 | (12.3) | 15.0 | 11.3 |
| Seqmental Ebit | 155,355 | 170,604 | 175,276 | 155,479 | 181,563 | 199,051 |
| \% Marain | 35.3 | 38.5 | 38.8 | 35.6 | 35.7 | 35.5 |
| \% YoY | 7.0 | 9.8 | 2.7 | (11.3) | 16.8 | 9.6 |
|  |  |  |  |  |  |  |
| Unallocable expenses | $(10,406)$ | $(10,722)$ | $(11,866)$ | $(11,285)$ | $(12,463)$ | $(13,223)$ |
| Ebit | 144,949 | 159,882 | 163,410 | 144,194 | 169,101 | 185,828 |
| \% Marain | 33.0 | 36.1 | 36.2 | 33.0 | 33.2 | 33.1 |
| \% YoY | 6.4 | 10.3 | 2.2 | (11.8) | 17.3 | 9.9 |
|  |  |  |  |  |  |  |
| Interest | (867) | (342) | (557) | (600) | (625) | (650) |
| Financial other income | 20,306 | 24,197 | 30,137 | 32,000 | 32,640 | 35,088 |
| PBT | 164,388 | 183,737 | 192,989 | 175,594 | 201,116 | 220,266 |
| Tax | $(54,856)$ | $(59,798)$ | $(50,508)$ | $(43,898)$ | $(52,290)$ | $(57,269)$ |
| Tax rate (\%) | 33.4 | 32.5 | 26.2 | 25.0 | 26.0 | 26.0 |
| Pre-ex PAT | 109,533 | 123,939 | 142,482 | 131,695 | 148,825 | 162,997 |
| \% YoY | 7.4 | 13.2 | 15.0 | (7.6) | 13.0 | 9.5 |
| Pre-ex EPS | 9.0 | 10.1 | 11.6 | 10.7 | 12.1 | 13.3 |
| \% YoY | 7 | 13 | 15 | (8) | 13 | 10 |

Source: Company data, Jefferies estimates

Exhibit 18 - Balance sheet

| (Year end March; Rsm) | FY18 | FY19 | FY20 | FY21E | FY22E | FY23E |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Networth |  |  |  |  |  |  |
| Debt | 514,001 | 579,498 | 640,292 | 647,220 | 679,270 | 707,052 |
| Deferred tax liability | 180 | 111 | 79 | 79 | 79 | 79 |
| Total | 19,179 | 20,441 | 16,177 | 17,277 | 18,477 | 19,677 |
|  | $\mathbf{5 3 3 , 3 6 0}$ | $\mathbf{6 0 0 , 0 5 1}$ | $\mathbf{6 5 6 , 5 4 7}$ | $\mathbf{6 6 4 , 5 7 6}$ | $\mathbf{6 9 7}, 825$ | $\mathbf{7 2 6 , 8 0 7}$ |
| Net fixed assets |  |  |  |  |  |  |
| Investments | 205,916 | 218,878 | 232,978 | 234,076 | 257,676 | 262,776 |
| Cash \& liquid | 38,757 | 46,910 | 36,460 | 57,960 | 36,460 | 36,460 |
| Net current assets | 221,164 | 256,557 | 338,279 | 325,271 | 348,605 | 366,924 |
| Total | 67,523 | 77,706 | 48,831 | 47,270 | 55,085 | 60,648 |

Source: Company data, Jefferies estimates

## Company Description

## ITC Limited

ITC is the market leader in the Indian cigarette industry with a $75 \%$ volume share. In addition to cigarettes, which form $65 \%$ of its revenues, the company has a diversified presence across the consumer staples, branded foods, paper, hotels and retailing businesses.

## Company Valuation/Risks

## ITC Limited

SOTP derived value of Rs265/share (cigarette business at $15 x$ Sep- 22 earnings, new FMCG at $4 x$ Sep- 22 sales, Agri and paperboard businesses at $15 x$ Sep- 22 EPS and hotels at $1 x$ invested capital). Key risks: ESG pressure, sharp rise in taxation \& a potential change in smoker behavior post lockout

## Analyst Certification:

I, Vivek Maheshwari, certify that all of the views expressed in this research report accurately reflect my personal views about the subject security(ies) and subject company(ies). I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed in this research report.
I , Kunal Shah, certify that all of the views expressed in this research report accurately reflect my personal views about the subject security(ies) and subject company(ies). I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed in this research report.
I, Jithin John, certify that all of the views expressed in this research report accurately reflect my personal views about the subject security(ies) and subject company(ies). I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed in this research report.
Registration of non-US analysts: Vivek Maheshwari is employed by Jefferies India Private Limited, a non-US affiliate of Jefferies LLC and is not registered/qualified as a research analyst with FINRA. This analyst(s) may not be an associated person of Jefferies LLC, a FINRA member firm, and therefore may not be subject to the FINRA Rule 2241 and restrictions on communications with a subject company, public appearances and trading securities held by a research analyst.
Registration of non-US analysts: Kunal Shah is employed by Jefferies India Private Limited, a non-US affiliate of Jefferies LLC and is not registered/qualified as a research analyst with FINRA. This analyst(s) may not be an associated person of Jefferies LLC, a FINRA member firm, and therefore may not be subject to the FINRA Rule 2241 and restrictions on communications with a subject company, public appearances and trading securities held by a research analyst.
Registration of non-US analysts: Jithin John is employed by Jefferies India Private Limited, a non-US affiliate of Jefferies LLC and is not registered/qualified as a research analyst with FINRA. This analyst(s) may not be an associated person of Jefferies LLC, a FINRA member firm, and therefore may not be subject to the FINRA Rule 2241 and restrictions on communications with a subject company, public appearances and trading securities held by a research analyst.
As is the case with all Jefferies employees, the analyst(s) responsible for the coverage of the financial instruments discussed in this report receives compensation based in part on the overall performance of the firm, including investment banking income. We seek to update our research as appropriate, but various regulations may prevent us from doing so. Aside from certain industry reports published on a periodic basis, the large majority of reports are published at irregular intervals as appropriate in the analyst's judgement.

## Investment Recommendation Record

(Article 3(1)e and Article 7 of MAR)
Recommendation Published December 8, 2020,07:19 ET.
Recommendation Distributed December 8, 2020,07:19 ET.

## Explanation of Jefferies Ratings

Buy - Describes securities that we expect to provide a total return (price appreciation plus yield) of $15 \%$ or more within a 12-month period.
Hold - Describes securities that we expect to provide a total return (price appreciation plus yield) of plus $15 \%$ or minus $10 \%$ within a 12-month period.
Underperform - Describes securities that we expect to provide a total return (price appreciation plus yield) of minus $10 \%$ or less within a 12-month period.

The expected total return (price appreciation plus yield) for Buy rated securities with an average security price consistently below $\$ 10$ is $20 \%$ or more within a 12-month period as these companies are typically more volatile than the overall stock market. For Hold rated securities with an average security price consistently below $\$ 10$, the expected total return (price appreciation plus yield) is plus or minus $20 \%$ within a 12 -month period. For Underperform rated securities with an average security price consistently below $\$ 10$, the expected total return (price appreciation plus yield) is minus $20 \%$ or less within a 12 -month period.
NR - The investment rating and price target have been temporarily suspended. Such suspensions are in compliance with applicable regulations and/or Jefferies policies.
CS - Coverage Suspended. Jefferies has suspended coverage of this company.
NC - Not covered. Jefferies does not cover this company.
Restricted - Describes issuers where, in conjunction with Jefferies engagement in certain transactions, company policy or applicable securities regulations prohibit certain types of communications, including investment recommendations.
Monitor - Describes securities whose company fundamentals and financials are being monitored, and for which no financial projections or opinions on the investment merits of the company are provided.

## Valuation Methodology

Jefferies' methodology for assigning ratings may include the following: market capitalization, maturity, growth/value, volatility and expected total return over the next 12 months. The price targets are based on several methodologies, which may include, but are not restricted to, analyses of market risk, growth rate, revenue stream, discounted cash flow (DCF), EBITDA, EPS, cash flow (CF), free cash flow (FCF), EV/EBITDA, P/E, PE/growth, P/CF, P/FCF, premium (discount)/average group EV/EBITDA, premium (discount)/ average group $P / E$, sum of the parts, net asset value, dividend returns, and return on equity (ROE) over the next 12 months.

## Jefferies Franchise Picks

Jefferies Franchise Picks include stock selections from among the best stock ideas from our equity analysts over a 12 month period. Stock selection is based on fundamental analysis and may take into account other factors such as analyst conviction, differentiated analysis, a favorable risk/reward ratio and investment themes that Jefferies analysts are recommending. Jefferies Franchise Picks will include only Buy rated stocks and the number can vary depending on analyst recommendations for inclusion. Stocks will be added as new opportunities arise and removed when the reason for inclusion changes, the stock has met its desired return, if it is no longer rated Buy and/or if it triggers a stop loss. Stocks having 120 day volatility in the bottom quartile of S\&P stocks will continue to have a $15 \%$ stop loss, and the remainder will have a $20 \%$ stop. Franchise Picks are not intended to represent a recommended portfolio of stocks and is not sector based, but we may note where we believe a Pick falls within an investment style such as growth or value.

## Risks which may impede the achievement of our Price Target

This report was prepared for general circulation and does not provide investment recommendations specific to individual investors. As such, the financial instruments discussed in this report may not be suitable for all investors and investors must make their own investment decisions based upon their specific investment objectives and financial situation utilizing their own financial advisors as they deem necessary. Past performance of the financial instruments recommended in this report should not be taken as an indication or guarantee of future results. The price, value of, and income from, any of the financial instruments mentioned in this report can rise as well as fall and may be affected by changes in economic, financial and political factors. If a financial instrument is denominated in a currency other than the investor's home currency, a change in exchange rates may adversely affect the price of, value of, or income derived from the financial instrument described in this report. In addition, investors in securities such as ADRs, whose values are affected by the currency of the underlying security, effectively assume currency risk.


Notes: Each box in the Rating and Price Target History chart above represents actions over the past three years in which an analyst initiated on a company, made a change to a rating or price target of a company or discontinued coverage of a company.
Legend:

I: Initiating Coverage

D: Dropped Coverage

B: Buy

H: Hold

UP: Underperform
Distribution of Ratings

| Distribution of Ratings |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Count | Percent | Count | Percent | Count | Percent |  |
| BUY | 1520 | $58.26 \%$ | 138 | $9.08 \%$ | 14 | $0.92 \%$ |  |
| HOLD | 955 | $36.60 \%$ | 23 | $2.41 \%$ | 6 | $0.63 \%$ |  |
| UNDERPERFORM | 134 | $5.14 \%$ | 1 | $0.75 \%$ | 1 | $0.75 \%$ |  |

## Other Important Disclosures

Jefferies does business and seeks to do business with companies covered in its research reports, and expects to receive or intends to seek compensation for investment banking services among other activities from such companies. As a result, investors should be aware that Jefferies may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.
Jefferies Equity Research refers to research reports produced by analysts employed by one of the following Jefferies Group LLC ("Jefferies") group companies:
United States: Jefferies LLC which is an SEC registered broker-dealer and a member of FINRA (and distributed by Jefferies Research Services, LLC, an SEC registered Investment Adviser, to clients paying separately for such research).
United Kingdom: Jefferies International Limited, which is authorized and regulated by the Financial Conduct Authority; registered in England and Wales No. 1978621; registered office: 100 Bishopsgate, London EC2N 4JL; telephone +44 (0)20 7029 8000; facsimile +44 (0)20 70298010.
Hong Kong: Jefferies Hong Kong Limited, which is licensed by the Securities and Futures Commission of Hong Kong with CE number ATS546; located at Suite 2201, 22nd Floor, Cheung Kong Center, 2 Queen's Road Central, Hong Kong.
Singapore: Jefferies Singapore Limited, which is licensed by the Monetary Authority of Singapore; located at 80 Raffles Place \#15-20, UOB Plaza 2, Singapore 048624, telephone: +65 65513950.

Japan: Jefferies (Japan) Limited, Tokyo Branch, which is a securities company registered by the Financial Services Agency of Japan and is a member of the Japan Securities Dealers Association; located at Tokyo Midtown Hibiya 30F Hibiya Mitsui Tower, 1-1-2 Yurakucho, Chiyoda-ku, Tokyo 100-0006; telephone +813 5251 6100; facsimile +813 52516101.
India: Jefferies India Private Limited (CIN - U74140MH2007PTC200509), licensed by the Securities and Exchange Board of India for: Stock Broker (NSE \& BSE) INZ000243033, Research Analyst INH0000000701 and Merchant Banker INM000011443, located at 42/43, 2 North Avenue, Maker Maxity, Bandra-Kurla Complex, Bandra (East), Mumbai 400 051, India; Tel +91 2243566000.
Australia: Jefferies (Australia) Securities Pty Limited (ACN 610977 074), which holds an Australian financial services license (AFSL 487263) and is located at Level 22, 60 Martin Place, Sydney NSW 2000; telephone +61 293642800.

This report was prepared by personnel who are associated with Jefferies (Jefferies International Limited, Jefferies Hong Kong Limited, Jefferies Singapore Limited, Jefferies (Japan) Limited, Tokyo Branch, Jefferies India Private Limited), Jefferies (Australia) Pty Ltd; or by personnel who are associated with both Jefferies LLC and Jefferies Research Services LLC ("JRS"). Jefferies LLC is a US registered broker-dealer and is affiliated with JRS, which is a US registered investment adviser. JRS does not create tailored or personalized research and all research provided by JRS is impersonal. If you are paying separately for this research, it is being provided to you by JRS. Otherwise, it is being provided by Jefferies LLC. Jefferies LLC, JRS, and their affiliates are collectively referred to below as "Jefferies". Jefferies may seek to do business with companies covered in this research report. As a result, investors should be aware that Jefferies may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only one of many factors in making their investment decisions. Specific conflict of interest and other disclosures that are required by FINRA and other rules are set forth in this disclosure section.
***
If you are receiving this report from a non-US Jefferies entity, please note the following: Unless prohibited by the provisions of Regulation S of the U.S. Securities Act of 1933, as amended, this material is distributed in the United States by Jefferies LLC, which accepts responsibility for its contents in accordance with the provisions of Rule 15a-6 under the US Securities Exchange Act of 1934, as amended. Transactions by or on behalf of any US person may only be effected through Jefferies LLC. In the United Kingdom and European Economic Area this report is issued and/or approved for distribution by Jefferies International Limited ("JIL") and is intended for use only by persons who have, or have been assessed as having, suitable professional experience and expertise, or by persons to whom it can be otherwise lawfully distributed.
JIL allows its analysts to undertake private consultancy work. JIL's conflicts management policy sets out the arrangements JIL employs to manage any potential conflicts of interest that may arise as a result of such consultancy work. Jefferies LLC, JIL and their affiliates, may make a market or provide liquidity in the financial instruments referred to in this report; and where they do make a market, such activity is disclosed specifically in this report under "company specific disclosures".
For Canadian investors, this material is intended for use only by professional or institutional investors. None of the investments or investment services mentioned or described herein is available to other persons or to anyone in Canada who is not a "Designated Institution" as defined by the Securities Act (Ontario). In Singapore, Jefferies Singapore Limited ("JSL") is regulated by the Monetary Authority of Singapore. For investors in the Republic of Singapore, this material is provided by JSL pursuant to Regulation 32C of the Financial Advisers Regulations. The material contained in this document is intended solely for accredited, expert or institutional investors, as defined under the Securities and Futures Act (Cap. 289 of Singapore). If there are any matters arising from, or in
connection with this material, please contact JSL, located at 80 Raffles Place \#15-20, UOB Plaza 2, Singapore 048624, telephone: +656551 3950. In Japan, this material is issued and distributed by Jefferies (Japan) Limited to institutional investors only. In Hong Kong, this report is issued and approved by Jefferies Hong Kong Limited and is intended for use only by professional investors as defined in the Hong Kong Securities and Futures Ordinance and its subsidiary legislation. In the Republic of China (Taiwan), this report should not be distributed. The research in relation to this report is conducted outside the People's Republic of China ("PRC"). This report does not constitute an offer to sell or the solicitation of an offer to buy any securities in the PRC. PRC investors shall have the relevant qualifications to invest in such securities and shall be responsible for obtaining all relevant approvals, licenses, verifications and/or registrations from the relevant governmental authorities themselves. In India, this report is made available by Jefferies India Private Limited. In Australia, this report is issued and/or approved for distribution by, or on behalf of, Jefferies (Australia) Securities Pty Ltd. It is directed solely at wholesale clients within the meaning of the Corporations Act 2001 of Australia (the "Corporations Act"), in connection with their consideration of any investment or investment service that is the subject of this report. This report may contain general financial product advice. Where this report refers to a particular financial product, you should obtain a copy of the relevant product disclosure statement or offer document before making any decision in relation to the product. Recipients of this document in any other jurisdictions should inform themselves about and observe any applicable legal requirements in relation to the receipt of this document.
This report is not an offer or solicitation of an offer to buy or sell any security or derivative instrument, or to make any investment. Any opinion or estimate constitutes the preparer's best judgment as of the date of preparation, and is subject to change without notice. Jefferies assumes no obligation to maintain or update this report based on subsequent information and events. Jefferies, and their respective officers, directors, and employees, may have long or short positions in, or may buy or sell any of the securities, derivative instruments or other investments mentioned or described herein, either as agent or as principal for their own account. This material is provided solely for informational purposes and is not tailored to any recipient, and is not based on, and does not take into account, the particular investment objectives, portfolio holdings, strategy, financial situation, or needs of any recipient. As such, any advice or recommendation in this report may not be suitable for a particular recipient. Jefferies assumes recipients of this report are capable of evaluating the information contained herein and of exercising independent judgment. A recipient of this report should not make any investment decision without first considering whether any advice or recommendation in this report is suitable for the recipient based on the recipient's particular circumstances and, if appropriate or otherwise needed, seeking professional advice, including tax advice. Jefferies does not perform any suitability or other analysis to check whether an investment decision made by the recipient based on this report is consistent with a recipient's investment objectives, portfolio holdings, strategy, financial situation, or needs. By providing this report, neither JRS nor any other Jefferies entity accepts any authority, discretion, or control over the management of the recipient's assets. Any action taken by the recipient of this report, based on the information in the report, is at the recipient's sole judgment and risk. The recipient must perform his or her own independent review of any prospective investment. If the recipient uses the services of Jefferies LLC (or other affiliated broker-dealers), in connection with a purchase or sale of a security that is a subject of these materials, such broker-dealer may act as principal for its own accounts or as agent for another person. Only JRS is registered with the SEC as an investment adviser; and therefore neither Jefferies LLC nor any other Jefferies affiliate has any fiduciary duty in connection with distribution of these reports.
The price and value of the investments referred to herein and the income from them may fluctuate. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Fluctuations in exchange rates could have adverse effects on the value or price of, or income derived from, certain investments.
This report may contain forward looking statements that may be affected by inaccurate assumptions or by known or unknown risks, uncertainties, and other important factors. As a result, the actual results, events, performance or achievements of the financial product may be materially different from those expressed or implied in such statements.
This report has been prepared independently of any issuer of securities mentioned herein and not as agent of any issuer of securities. No Equity Research personnel have authority whatsoever to make any representations or warranty on behalf of the issuer(s). Any comments or statements made herein are those of the Jefferies entity producing this report and may differ from the views of other Jefferies entities.
This report may contain information obtained from third parties, including ratings from credit ratings agencies such as Standard \& Poor's. Reproduction and distribution of third party content in any form is prohibited except with the prior written permission of the related third party. Jefferies does not guarantee the accuracy, completeness, timeliness or availability of any information, including ratings, and is not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such content. Third-party content providers give no express or implied warranties, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use. Neither Jefferies nor any third-party content provider shall be liable for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses,
legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use of their content, including ratings. Credit ratings are statements of opinions and are not statements of fact or recommendations to purchase, hold or sell securities. They do not address the suitability of securities or the suitability of securities for investment purposes, and should not be relied on as investment advice.
Jefferies research reports are disseminated and available electronically, and, in some cases, also in printed form. Electronic research is simultaneously made available to all clients. This report or any portion hereof may not be reprinted, sold or redistributed without the written consent of Jefferies. Neither Jefferies nor any of its respective directors, officers or employees, is responsible for guaranteeing the financial success of any investment, or accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this report or its contents. Nothing herein shall be construed to waive any liability Jefferies has under applicable U.S. federal or state securities laws.
For Important Disclosure information relating to JRS, please see https://adviserinfo.sec.gov/IAPD/Content/Common/ crd_iapd_Brochure.aspx?BRCHR_VRSN_ID=483878 and https://adviserinfo.sec.gov/Firm/292142 or visit our website at https:// javatar.bluematrix.com/sellside/Disclosures.action, or www.jefferies.com, or call 1.888.JEFFERIES.
© 2020 Jefferies Group LLC

