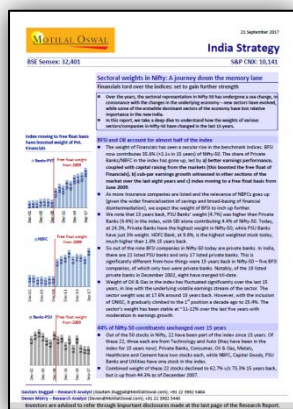


BSE Sensex: 31,627
S&P CNX: 9,873

Latest Strategy Report: Sectoral weights in Nifty



Nifty reconstitution; Marginal FY19E EPS downgrade

Weight of Private Financials to increase 60bp; PSU Banks to hit new low

- NSE Nifty-50 composition is all set for a reshuffle on Friday, 29th September 2017. Bajaj Finance, HPCL and UPL will replace ACC, Bank of Baroda and Tata Power. Tata Motors, which carries Differential Voting Rights (DVR), will be excluded – it was an additional stock in the benchmark.
- In this report, we highlight how these changes will (i) impact the earnings for the benchmark and (ii) alter the weights of various sectors.

Nifty-50 reconstitution: NBFC's weight nearing double-digit

- Bajaj Finance will be included in the benchmark with 1% weight, taking NBFC's weight to 9.5% (+90bp).
- HPCL will enter with 0.9% weight, helping Oil & Gas to cement its position in the benchmark. This is first time in the history of the benchmark when all three OMCs will be part of the index. UPL will enter the index with 0.8% weight.
- With the exit of Bank of Baroda (weight: 0.4%), PSU Banks' weight will be at an all-time low of 2.5%. Other losers include Utilities (-40bp), Cement (-40bp), Automobile (-40bp) and Private Banks (-30bp).
- Least impacted sectors would be Technology, Consumer, Healthcare, Capital Goods, Metals, Telecom and Media.
- Post this reshuffle, BFSI will have an index weight of 35.8% (+30bp), almost equivalent to the combined weights of Oil, Technology and Auto.

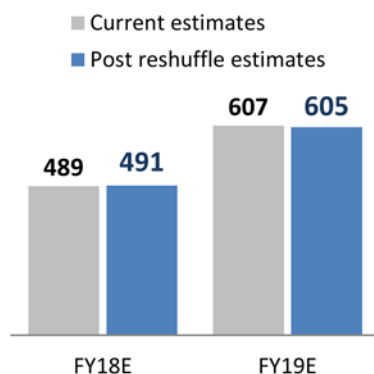
Of top-5 stocks to be most impacted, three are from Private Financials

- Aggregate weight of the existing 47 Nifty-50 stocks will decline by 120bp.
- Top-5 stocks to be most impacted (in terms of weight) by the reshuffle: HDFC Bank (-12bp), HDFC (-9bp), Reliance Ind (-9 bp), ITC (-8bp) and ICICI Bank (-6bp).
- Top-10 stocks currently contribute 53.5% of Nifty-50. Post reshuffle, this is likely to come down to 52.8% (-70bp).

Nifty EPS: FY18E unchanged, FY19E to see marginal cut of 0.4% to INR605

- Nifty EPS for FY18 will see marginal upgrade of 0.2%. It will, however, see a downgrade of 0.4% for FY19, primarily due to a higher increase in free float market cap of 1.6% compared to a rise of 1.8%/1.1% in free float PAT for FY18/FY19.
- We now estimate Nifty EPS at INR491 for FY18 (+15.9%) and ~INR605 for FY19 (+23.2%).
- **Notably, the cumulative free float market cap of the new stocks to be included is 2.4x of the stocks to be excluded from the index.**
- Nifty trades at a P/E of 20.4x on FY18E earnings based on current composition; this will remain unchanged post reshuffle. However, based on FY19E earnings, Nifty P/E will expand marginally from 16.4x to 16.5x post the reshuffle.

Nifty EPS downgrade of 0.4% for FY19

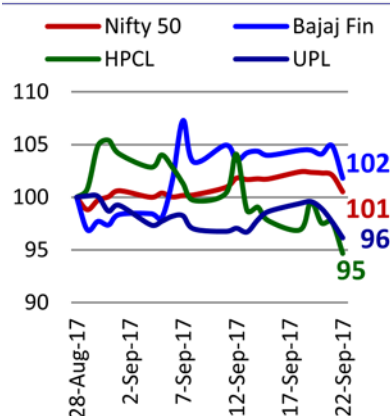

Gautam Duggad - Research Analyst (Gautam.Duggad@MotilalOswal.com); +91 22 3982 5404

Deven Mistry - Research Analyst (Deven@MotilalOswal.com); +91 22 3982 5440

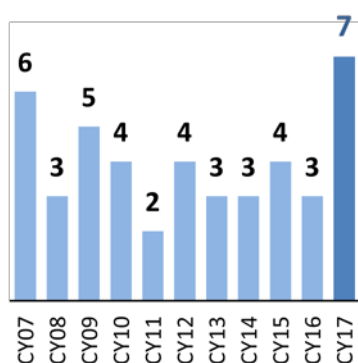
Investors are advised to refer through important disclosures made at the last page of the Research Report.

 Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

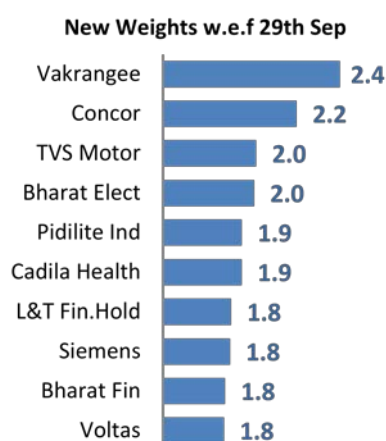
Bajaj Finance only outperformer post announcement of inclusion (Prices rebased to 100)



Trend in number of stocks reshuffled in a particular year



Top 10 stocks in Midcap-100 (%)



Key institutional activity in new entrants

- Since the announcement of index reshuffle, Bajaj Finance is the only stock to trade higher (+2%), whereas HPCL (-5%) and UPL (-4%) are trading lower.
- Domestic MFs hold 0.8% of their total AUM in Bajaj Finance, which will be lower compared to the benchmark weight (1% in Nifty-50). However, domestic MFs hold 0.7% and 0.6% of AUM in HPCL and UPL, respectively, largely in line with the weights in the benchmark.
- DIIs hold 6.5% (+0.6% QoQ in Sep-2017) and FIIs hold 21.2% (+2.6% QoQ in Sep-2017) in Bajaj Finance. In HPCL, DIIs hold 10.1% (+0.5% QoQ in June 2017) and FIIs hold 16.9% (unchanged QoQ in June 2017). DIIs hold 11% (+0.2% QoQ in June 2017) and FIIs hold 41.9% (-0.1% QoQ in June 2017) in UPL.
- Current FII limit in Bajaj Finance, HPCL and UPL is 30%, 40% and 74% of the paid-up capital of the company, respectively.
- Of the top-20 domestic MFs, 5, 7 and 3 funds have exposure of over 1% of their AUMs to Bajaj Finance, HPCL and UPL, respectively.

Number of stocks reshuffled highest in last 10 years

- In CY17, Nifty-50 saw the highest number of stocks reshuffled in a particular calendar year – total seven stocks have been reshuffled.
- Since CY12, 24 stocks have been reshuffled. Notably, the weight of the reshuffled stocks is quite stable.
- Weights of IndusInd Bank and Yes Bank in the index are at new highs – up 2.6x and 2.1x, respectively, since they entered the index.
- However, Tech Mahindra's weight has halved. Lupin's weight is down significantly from its peak of 1.6% to 0.6% due to its underperformance over the past two years.
- Stocks where weights are quite stable since they entered the index are: Asian Paints, Ultratech, Zee Entertainment, Bosch, Adani Ports, Eicher Motors, Aurobindo Pharma and Bharti Infratel.

Nifty Midcap-100 reconstitution: Healthcare, Technology and Retail big gainers; NBFCs, Oil and Auto top losers

- Nifty Midcap-100 composition will also change along with other NSE indices. Six stock changes: Adani Enterprises, Avenue Supermarts, Divis Lab, Escorts, Fortis Healthcare and Infibeam Incorporation will replace MRF, Petronet LNG, Reliance Capital, REC, Sun Pharma Advanced Research and Wockhardt.
- Healthcare will take number one spot in allocation of Midcap-100 weights at 12.1% (+250bp), replacing NBFCs, which will shed 270bp to 10.5% (-270bp).
- Oil & Gas' weight will decline by 180bp to 3.3%; this is due to the exclusion of Petronet LNG from the Midcap-100 index.
- Avenue Supermarts will be included in Midcap-100 with 0.7% weight, taking Retail's weight to 2.2% (+70bp).

Note: Prices and weight calculation on closing of 22nd Sep 2017

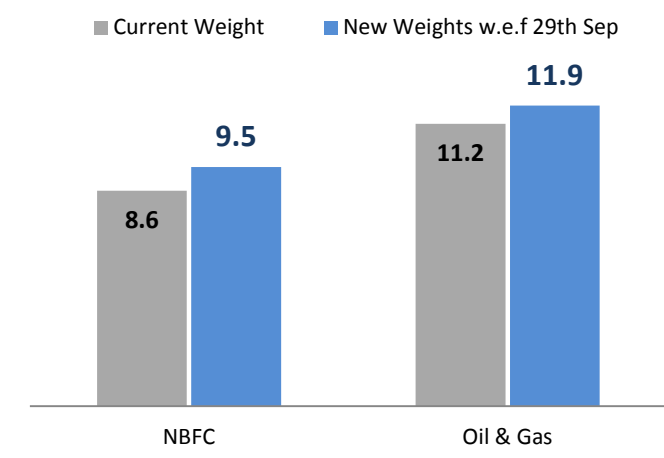
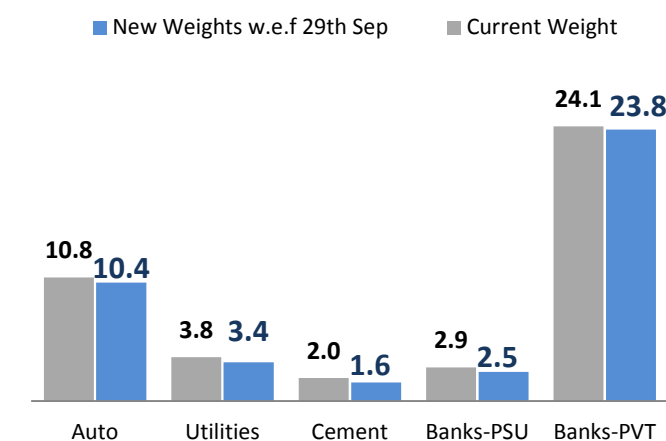
Nifty-50 reconstitution: All three OMCs now part of benchmark

- It is first time in the history of the benchmark when all three OMCs will be part of the Index. HPCL will enter with 0.9% weight, helping Oil & Gas to cement its position in the benchmark.
- Inclusion of Bajaj Finance (1% weight) will take NBFC's weight to near double-digit at 9.5% (+90bp). UPL will enter the index with 0.8%.
- With the exit of Bank of Baroda (weight: 0.4%), PSU Banks' weight will be at an all-time low of 2.5%. Other losers include Utilities (-40bp), Cement (-40bp), Automobile (-40bp) and Private Banks (-30bp).
- Least impacted sectors would be Technology, Consumer, Healthcare, Capital Goods, Metals, Telecom and Media.
- BFSI will have a weight of 35.8% (+30bp) post the reshuffle, which will be almost equivalent to the combined weights of Oil, Technology and Auto.

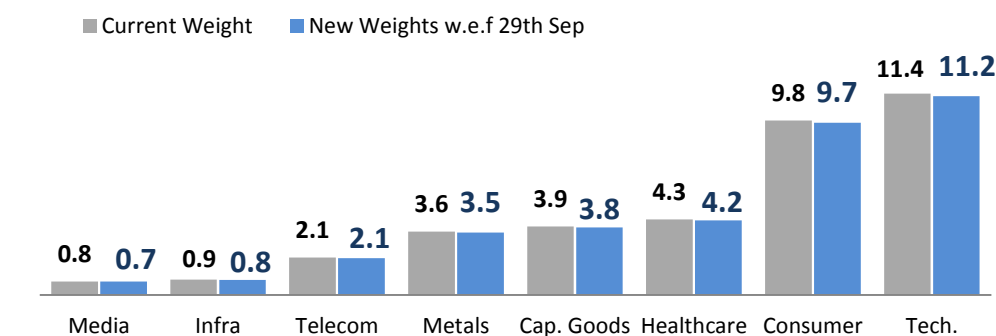
Exhibit 1: Trend in OMCs' weight in Nifty-50 (%)

	Weight in Nifty-50 (%)																w.e.f 29th Sep
	CY02	CY03	CY04	CY05	CY06	CY07	CY08	CY09	CY10	CY11	CY12	CY13	CY14	CY15	CY16	Current	
BPCL	1.9	2.2	1.5	1.0	0.6	0.5	0.7	0.5	0.5	0.4	0.5	0.4	0.6	0.8	1.1	1.0	1.0
HPCL	2.9	2.4	1.5	0.8	0.5												0.9
IOCL																1.1	1.1
OMCs	4.8	4.6	3.1	1.8	1.1	0.5	0.7	0.5	0.5	0.4	0.5	0.4	0.6	0.8	1.1	2.1	2.9

Source: NSE, MOSL

Exhibit 2: NBFCs and Oil & Gas will see an increase in weight**Exhibit 3: Auto, Utilities, Cement, PSU Banks – biggest losers**

Source: NSE, MOSL

Exhibit 4: Sectors which will not have material impact due to index reconstitution

Source: NSE, MOSL

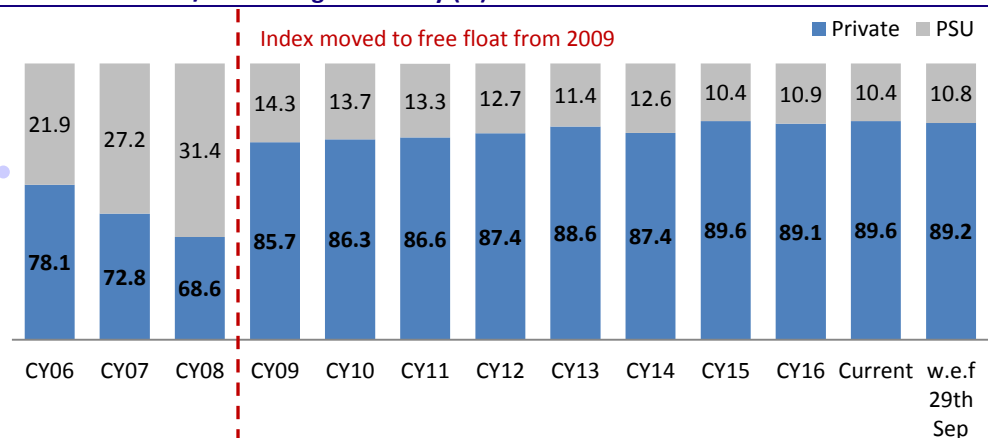
Interesting observations from sectoral weight changes in past decade: Private Financials at all-time high; PSU Banks at new lows

- **Financials' weights have kept rising over the years.** BFSI will now contribute 35.8% (+2.9x in 10 years) of overall Nifty-50.
- Private Banks at 23.8% will have the highest weight in Nifty-50, while the weight of PSU Banks will drop to 2.5%.
- **Automobile's** (with 10.4%) weight in Nifty now stands shoulder-to-shoulder with Technology, at ~11%. Auto has bridged the gap versus Technology, especially over the last two years. The gap between Auto and Technology has come off from 640bp in CY15 to just 80bp now.
- **Oil & Gas' weight in index has been quite volatile in last decade.** The sector's weight was at 17.6% around 15 year ago; it climbed to 1st position a decade ago to 25.4%. However, over the last five years, the weight is quite stable at ~11-12%.
- **Consumer's weight has remained stable** over the last four years, but has increased significantly (+610bp) over the last 10 years, given its sharp outperformance v/s the index.
- **Healthcare's weight is down significantly** due to the underperformance over the last couple of years.
- **Weight of Capital Goods will now be at a 14-year low** of 3.8%. The sector now represents only one stock in the benchmark (L&T).
- **Metals' weight has bounced off its lows** of sub-1% in CY15, but it is far off from the peak of 9.7% in CY03.
- Real Estate has no representation in Nifty-50.

Exhibit 5: Trend in Nifty sectoral weight (%) – Private Financials at all-time high; PSU at new low

Sector	CY06	CY07	CY11	CY12	CY15	CY16	Current	New w.e.f 29th Sep	Avg. Weight CY06-16	Chg. – New v/s Avg. Weight (pp)
Automobiles	6.4	3.4	8.1	8.8	9.9	11.8	10.8	10.4	7.4	2.9
Banks-Private	5.7	5.6	13.7	16.9	20.7	21.5	24.1	23.8	13.8	10.0
Banks-PSU	4.4	4.1	3.7	4.7	3.3	3.1	2.9	2.5	4.2	-1.7
NBFC	2.1	2.3	6.9	7.9	7.0	6.6	8.6	9.5	5.6	3.9
Capital Goods	8.6	10.5	5.5	5.9	4.2	4.0	3.9	3.8	6.9	-3.1
Cement	3.3	2.1	3.1	4.2	2.8	3.0	2.0	1.6	2.9	-1.3
Consumer	6.2	3.6	10.7	12.3	10.1	10.1	9.8	9.7	8.6	1.1
Healthcare	3.9	2.2	4.4	5.0	7.3	6.3	4.3	4.2	4.5	-0.3
Media	0.6	0.4	0.0	0.0	0.8	0.8	0.8	0.7	0.3	0.4
Metals	5.0	9.0	5.6	3.8	1.3	1.5	3.6	3.5	5.1	-1.5
Oil & Gas	21.1	25.4	13.3	12.3	9.1	9.4	11.2	11.9	15.3	-3.4
Real Estate		2.3	0.5	0.5					1.1	-1.1
Technology	19.4	9.5	15.8	11.4	16.3	14.4	11.4	11.2	14.1	-2.9
Telecom	12.0	11.4	3.3	2.0	2.2	2.3	2.1	2.1	5.0	-3.0
Utilities	1.1	8.2	5.4	4.5	4.1	4.4	3.8	3.4	5.3	-1.9
Miscellaneous	0.3				0.8	0.8	0.9	1.6	0.6	1.0
Nifty-50	100	100	100	100	100	100	100	100	100	

Note: Miscellaneous include Jet Airways in CY06, Adani Ports in CY15/CY16/Current and UPL addition w.e.f from 29th Sep.

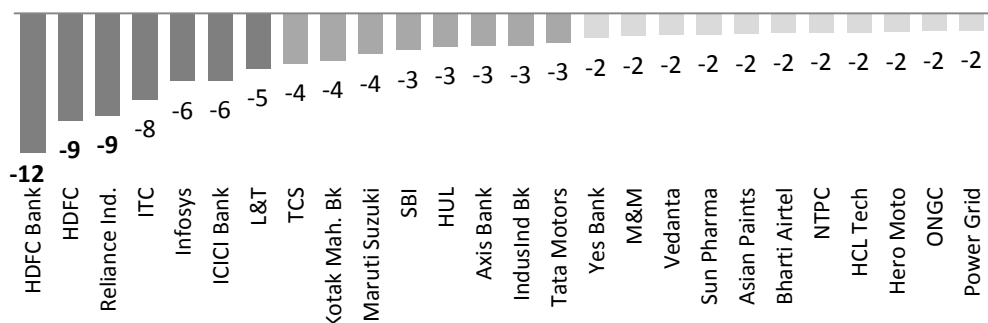
Exhibit 6: Private v/s PSU weights in Nifty (%)

Source: NSE, MOSL

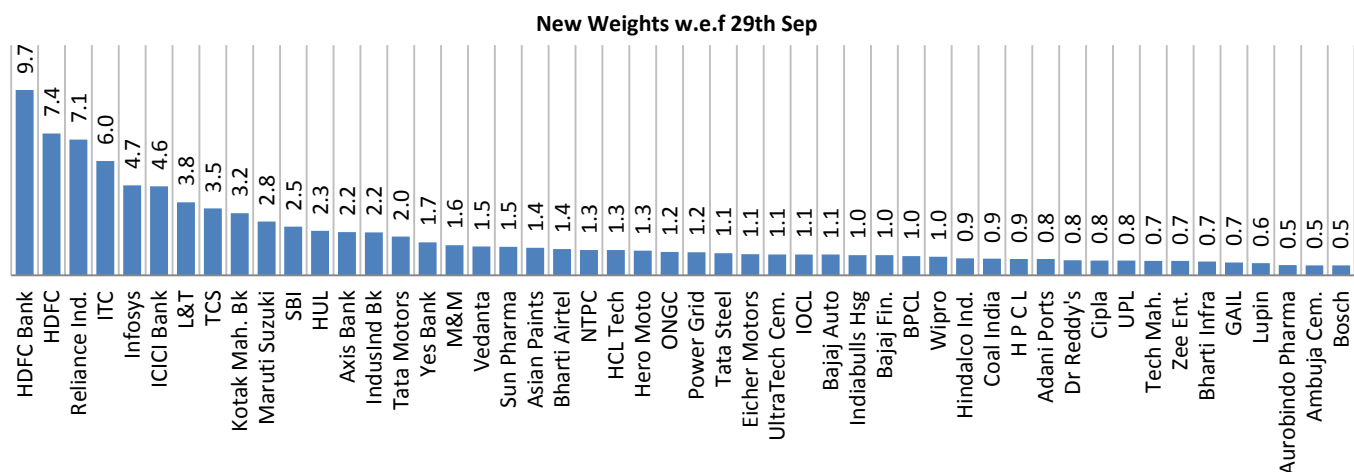
PSU weights in Nifty nearing single-digits

Aggregate weight of existing 47 Nifty stocks to see decline of 120bp

- Of the top-5 stocks to be most impacted, three are from Private Financials.
- Top-10 stocks to be most impacted (in terms of weight) by the index reconstitution: HDFC Bank (-12bp), HDFC (-9bp), Reliance Ind (-9bp), ITC (-8bp), ICICI Bank (-6bp), Infosys (-6bp), L&T (-5bp), TCS (-4bp), Kotak Mahindra Bank (-4bp) and Maruti Suzuki (-4bp).
- Top-10 stocks currently contribute 53.5% of Nifty-50 allocation. However, post the reshuffle, it is likely to come down to 52.8% (-70bp).

Exhibit 7: Existing stocks – weight change (bp)

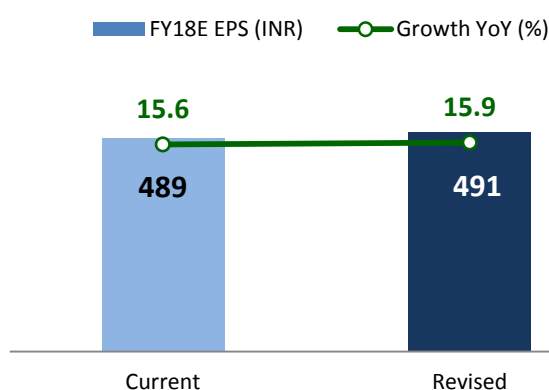
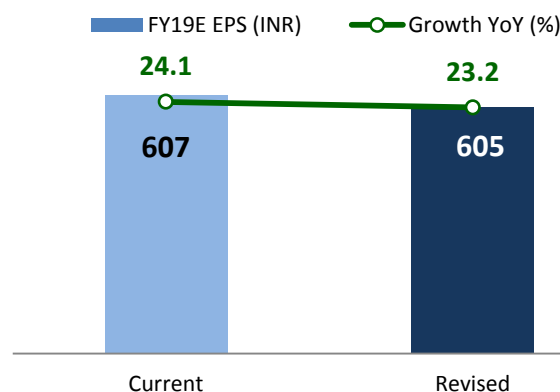
Source: NSE, MOSL

Exhibit 8: Stock weights w.e.f from 29th Sep (%) – top 10 stocks will contribute 52.8% of the index

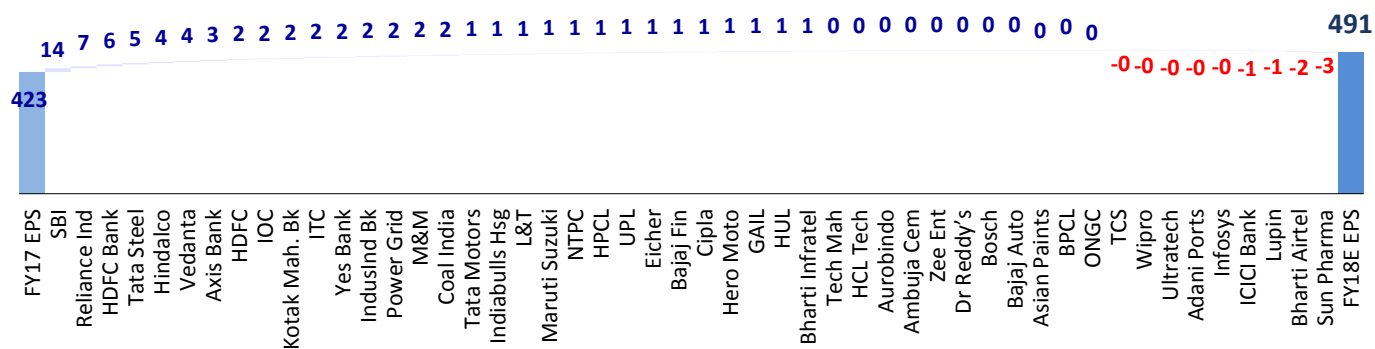
Source: NSE, MOSL

Nifty FY19 EPS to see 0.4% downgrade

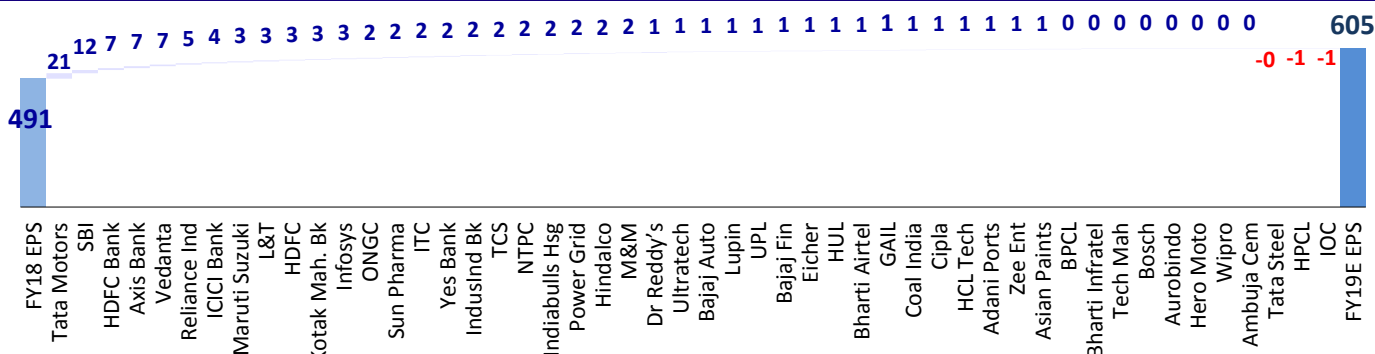
- Nifty EPS for FY18 will see a marginal upgrade of 0.2%. However, it will see a downgrade of 0.4% for FY19, primarily due to a higher increase in free float market cap of 1.6% compared to a rise of 1.8%/1.1% in free float PAT for FY18/FY19.
- We now estimate Nifty EPS at INR491 for FY18 (+15.9%) and ~INR605 for FY19 (+23.2%).
- Notably, cumulative free float market cap of the new stocks to be included is 2.4x of the stocks to be excluded from the index.
- Nifty trades at a P/E of 20.4x on FY18E earnings based on current composition; this will remain unchanged post reshuffle. However, based on FY19E earnings, P/E will expand marginally from 16.4x to 16.5x post the reshuffle.

Exhibit 9: FY18E Nifty EPS to see marginal upgrade**Exhibit 10: FY19E Nifty EPS to see 0.4% downgrade**

Source: MOSL

Exhibit 11: Stock-wise contribution to growth in FY18E Nifty EPS (INR)

Source: MOSL

Exhibit 12: Stock-wise contribution to growth in FY19E Nifty EPS (INR)

Source: MOSL

Nifty Midcap-100 reconstitution: Healthcare, Technology and Retail big gainers; NBFCs, Oil and Auto top losers

- Nifty Midcap-100 composition will also a change along with other NSE indices. Six stock changes: Adani Enterprises, Avenue Supermarts, Divis Lab, Escorts, Fortis Healthcare and Infibeam Incorporation will replace MRF, Petronet LNG, Reliance Capital, REC, Sun Pharma Advanced Research and Wockhardt.
- Healthcare will take number one spot in allocation of Midcap-100 weights at 12.1% (+250bp), replacing NBFCs, which will shed 270bp to 10.5% (-270bp).
- Oil & Gas' weight will decline 180bp to 3.3% due to the exclusion of Petronet LNG from the Midcap-100 index.
- Avenue Supermarts will be included in Midcap-100 with 0.7% weight, taking Retail's weight to 2.2% (+70bp).

Exhibit 13: Healthcare, Tech will see an increase in weight

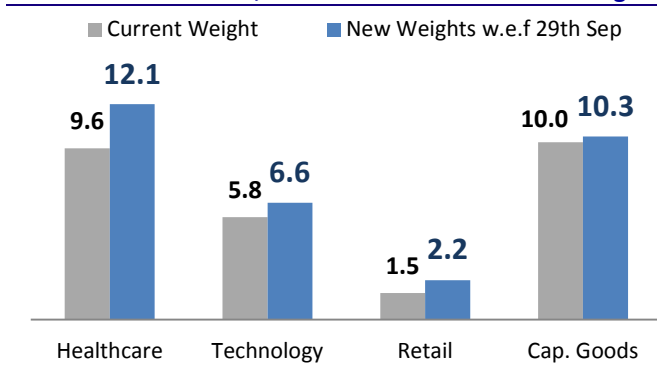
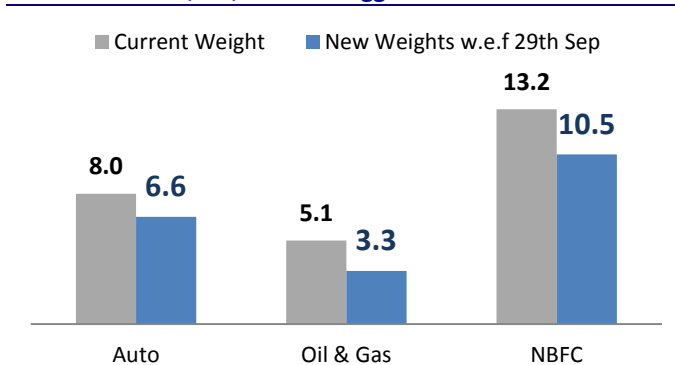
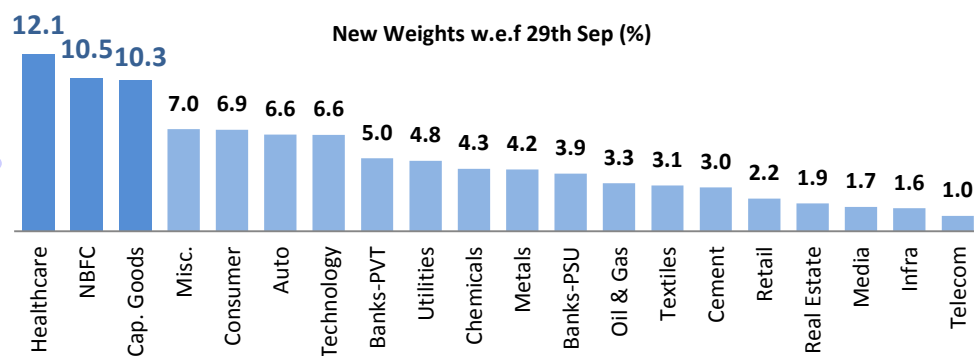


Exhibit 14: Auto, Oil, NBFCs – biggest losers



Source: NSE, MOSL

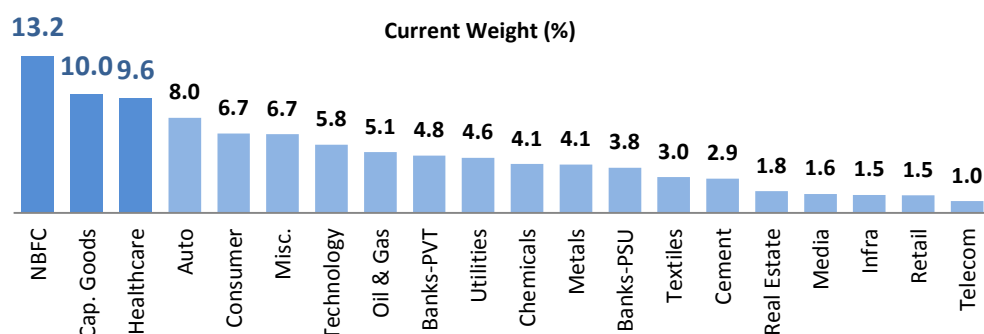
Exhibit 15: Nifty Midcap-100 sectoral weights w.e.f 29 Sep 2017 (%)



Healthcare overtakes NBFCs to secure 1st position in the Nifty Midcap-100 index

Source: NSE, MOSL

Exhibit 16: Nifty Midcap-100 current sectoral weights (%)

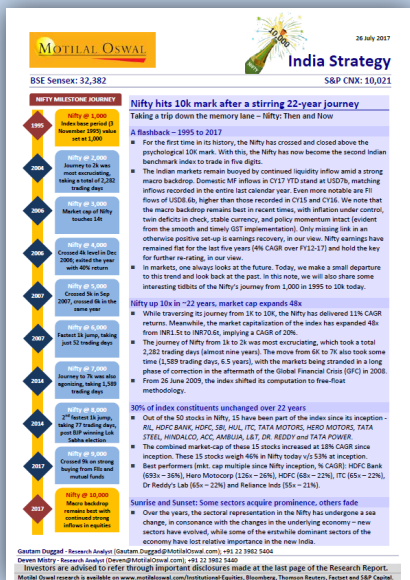
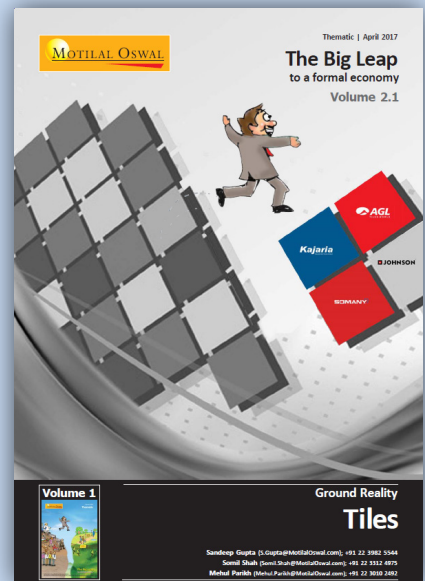
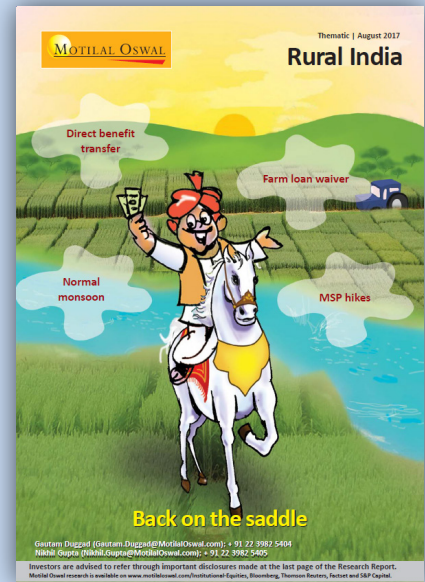
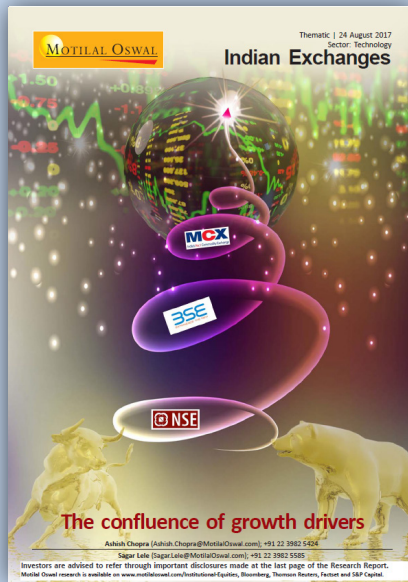


Top 3 sectors contribute one-third of index

Source: NSE, MOSL

NOTES

THEMATIC/STRATEGY RESEARCH GALLERY



Disclosures:

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Securities Ltd. (MOSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Investment Advisory Services, Depository participant services & distribution of various financial products. MOSL is a subsidiary company of Motilal Oswal Financial Service Ltd. (MOFSL). MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOSL is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Metropolitan Stock Exchange Of India Ltd. (MSE) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) & National Securities Depository Limited (NSDL) and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products. Details of associate entities of Motilal Oswal Securities Limited are available on the website at <http://online.reports.motilaloswal.com/Dormant/documents/Associate%20Details.pdf>

Pending Regulatory Enquiries against Motilal Oswal Securities Limited by SEBI:

SEBI pursuant to a complaint from client Shri C.R. Mohanraj alleging unauthorized trading, issued a letter dated 29th April 2014 to MOSL notifying appointment of an Adjudicating Officer as per SEBI regulations to hold inquiry and adjudge violation of SEBI Regulations; MOSL requested SEBI to provide all documents, records, investigation report relied upon by SEBI which were referred in Show Cause Notice and also sought personal hearing. The matter is currently pending.

MOSL, its associates, Research Analyst or their relative may have any financial interest in the subject company. MOSL and/or its associates and/or Research Analyst may have beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report. MOSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report. Research Analyst may have served as director/officer, etc. in the subject company in the last 12 month period. MOSL and/or its associates may have received any compensation from the subject company in the past 12 months.

In the last 12 months period ending on the last day of the month immediately preceding the date of publication of this research report, MOSL or any of its associates may have:

- managed or co-managed public offering of securities from subject company of this research report,
- received compensation for investment banking or merchant banking or brokerage services from subject company of this research report,
- received compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company of this research report.
- Subject Company may have been a client of MOSL or its associates during twelve months preceding the date of distribution of the research report.

MOSL and its associates have not received any compensation or other benefits from the subject company or third party in connection with the research report. To enhance transparency, MOSL has incorporated a Disclosure of Interest Statement in this document. This should, however, not be treated as endorsement of the views expressed in the report. MOSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions.

Terms & Conditions:

This report has been prepared by MOSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential 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 MOSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOSL will not treat recipients as customers by virtue of their receiving this report.

Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Disclosure of Interest Statement	Companies where there is interest
■ Analyst ownership of the stock	No

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOSL research activity and therefore it can have an independent view with regards to subject company for which Research Team have expressed their views.

Regional Disclosures (outside India)

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 MOSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal Capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg No. INH000000412) has an agreement with Motilal Oswal Capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Securities Limited (MOSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the "1934 act") and under applicable state laws in the United States. In addition MOSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts"), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

Motilal Oswal Capital Markets Singapore Pte Limited is acting as an exempt financial advisor under section 23(1)(f) of the Financial Advisers Act (FAA) read with regulation 17(1)(d) of the Financial Advisers Regulations and is a subsidiary of Motilal Oswal Securities Limited in India. This research is distributed in Singapore by Motilal Oswal Capital Markets Singapore Pte Limited and it is only directed in Singapore to accredited investors, as defined in the Financial Advisers Regulations and the Securities and Futures Act (Chapter 289), as amended from time to time. In respect of any matter arising from or in connection with the research you could contact the following representatives of Motilal Oswal Capital Markets Singapore Pte Limited:

Disclaimer:

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. This report and information herein is solely for informational purpose and may 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. 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. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. 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 MOSL 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. Neither the Firm, nor its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022-3980 4263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 3080 1000. Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.-022-30801085.

Registration details of group entities: MOSL: NSE (Cash): INB231041238; NSE (F&O): INF231041238; NSE (CD): INE231041238; BSE (Cash): INB011041257; BSE(F&O): INF011041257; BSE(CD): MSE(Cash): INB261041231; MSE(F&O): INF261041231; MSE(CD): INE261041231; CDSL: IN-DP-16-2015; NSDL: IN-DP-NSDL-152-2000; Research Analyst: INH000000412. AMFI: ARN 17397. Investment Adviser: INA000007100. Motilal Oswal Asset Management Company Ltd. (MOAMC): PMS (Registration No.: INP000000670) offers PMS and Mutual Funds products. Motilal Oswal Wealth Management Ltd. (MOWML): PMS (Registration No.: INP000004409) offers wealth management solutions. * Motilal Oswal Securities Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Bond, NCDs, Insurance and IPO products. * Motilal Oswal Commodities Broker Pvt. Ltd. offers Commodities Products. * Motilal Oswal Real Estate Investment Advisors II Pvt. Ltd. offers Real Estate products. * Motilal Oswal Private Equity Investment Advisors Pvt. Ltd. offers Private Equity products