India | Consumer Durables | Result Update

Voltas | BUY

Strong growth in Q4. Looking up for market share gain in Q1

In Q4FY24, Voltas posted revenue of INR 42.0bn up 42% YoY, 4 years CAGR of +19%. Its UCP revenue was INR 29.5bn up 44% yoy due to strong RAC volume growth on back of strong summer (4 years CAGR c.+25%). Overall UCP volumes was up c.27% in FY24 with RAC volume growth of c.+35% in FY24. EMP, domestic business grew c.38% yoy due to healthy order book while International business continues to face challenges. We transfer the coverage to Deepak Agarwal with a BUY rating at a target price of 1,515.

- Strong UCP growth led by RAC: Voltas has sold c.2mn RAC for FY24, whereas the industry has sold c.10mn units resulting in a primary market share of c.20%; however secondary market share as of FY24 was c.18.7% vs 19% YTD Dec-23. Management expects strong growth in RAC with channel expansion and supportive demand. Expects UCP margins at high single digit. In Q4FY24, Overall RAC margins have improved to 10% from 9% yoy, however commercial Ref. + AC capped overall UCP margins.
- In EMP, strong domestic order book while provision continues in Qatar: Domestic business continue to do well, however headwinds in the international business especially Qatar continue to impact profitability due to delay in receivables. Domestic order book was c.INR 50.24bn down 13% YoY and international was c.INR 30bn up 27% YoY Q4FY24. In international business, strong order book from Saudi for water theme park, hospitals, etc. Management expects EBIT margin of 4%-5% in this segment.
- Voltbek continues to deliver strong growth: In FY24, Voltbek revenue was INR 15.85bn up 46% YoY mainly on the back of strong manufacturing capabilities and channel expansion. As of Mar,24 Voltbek market share in Refrigerator was c.5.3%, Total Washing Machine was c.8.5% and Semi-Automatic was c.15% (vs 12.2% in Dec-23). Expect Voltbek to EBITDA breakeven in FY25 and profitable post FY26.
- Capacity expansion on the cards: Voltas with its Chennai plant first phase will add c.1mn units starting May'24 which will be further scale up to 2mn units after FY25 end leading to overall RAC capacity of 3.3-3.5mn units by FY26. Voltas has done c.INR 5bn capex for Chennai RAC plant out of which c.2.5bn is already done in FY24 rest to be done in FY25.
- We resume coverage with BUY rating and TP of INR 1,515: We expect VOLT revenue/earning CAGR of c.18%/107% (lower base in FY24) over FY24-26 mainly led by-In UCP (1) Benefit from long-term demand drivers for AC, PLI on components, market-leadership position and Beko (home appliances), (2) Increasing its penetration through channel expansion and (3) Improving its sourcing through backward integration and localisation. However high levels of competition may cap margins in this segment. In EMP: strong domestic order book and revival in international market will add to growth/margin. At CMP VOLT trades at PE of 55x/43x on FY25/FY26, we transfer coverage to Deepak Agarwal and value VOLT at SOTP UCP 50x to INR 1,202, EMP 15x to INR 76, EPS 20x to INR 132 and Voltbek at INR 105 on FY26 and arrive at TP of 1,515 up 15% from CMP and hence maintain BUY.

Financial Summary					(INR mn)
Y/E March	FY22A	FY23A	FY24A	FY25E	FY26E
Net Sales	79,344	94,988	1,24,812	1,51,063	1,74,690
Sales Growth (%)	5.0	19.7	31.4	21.0	15.6
EBITDA	6,815	5,724	4,746	8,111	10,573
EBITDA Margin (%)	8.6	6.0	3.8	5.4	6.1
Adjusted Net Profit	5,060	3,800	2,355	7,894	10,586
Diluted EPS (INR)	15.3	11.5	7.1	23.9	32.0
Diluted EPS Growth (%)	-4.3	-24.9	-38.0	235.3	34.1
ROIC (%)	24.2	13.7	9.7	19.8	22.8
ROE (%)	9.6	6.9	4.2	12.8	15.3
P/E (x)	86.2	114.8	185.3	55.3	41.2
P/B (x)	7.9	8.0	7.5	6.7	6.0
EV/EBITDA (x)	63.8	76.2	91.8	53.5	40.7
Dividend Yield (%)	0.3	0.1	0.2	0.5	0.7

Source: Company data, JM Financial. Note: Valuations as of 08/May/2024



Deepak Agarwal deepak.agarwal@jmfl.com | Tel: (91 22) 66303037

Bhavanishankar Kumawat bhavanishankar.kumawat@jmfl.com | Tel: (91 22) 69703621

Recommendation and Price Target	
Current Reco.	BUY
Previous Reco.	BUY
Current Price Target (12M)	1,515
Upside/(Downside)	14.9%
Previous Price Target	1,100
Change	37.7%

Key Data – VOLT IN	
Current Market Price	INR1,319
Market cap (bn)	INR436.4/US\$5.2
Free Float	62%
Shares in issue (mn)	330.8
Diluted share (mn)	330.8
3-mon avg daily val (mn)	INR2,356.3/US\$28.2
52-week range	1,502/745
Sensex/Nifty	73,466/22,303
INR/US\$	83.5

Price Performance			
%	1M	6M	12M
Absolute	0.9	60.8	64.2
Relative*	2.6	41.9	38.0

* To the BSE Sensex

JM Financial Research is also available on: Bloomberg - JMFR <GO>, Thomson Publisher & Reuters, S&P Capital IQ, FactSet and Visible Alpha

Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification.

Exhibit 1. Segmental Quarterly Performance					
(INR mn)	4QFY24	4QFY23	YoY	3QFY24	QoQ
Segment Revenue					
Unitary Cooling Products (UCP)	29,551	20,486	44%	14,826	99%
Electro - mechanical Projects & Services (MEP)	10,979	7,458	47%	9,819	12%
Engineering Products & Services (EPS)	1,564	1,424	10%	1,548	1%
Segment Revenue	42,094	29,368	43%	26,193	61%
Less: Intersegment	(171)	-	na	(70)	145%
Other operating income	106	200	-47%	134	-21%
Excise duty	-	-	na	-	na
Net Operating Revenue	42,029	29,568	42%	26,257	60%
Segment EBIT					
Unitary Cooling Products (UCP)	2,704	2,057	31%	1,229	120%
Electro - mechanical Projects & Services (MEP)	(1,077)	(140)	669%	(1,200)	-10%
Engineering Products & Services (EPS)	478	559	-14%	499	-4%
Segment EBIT	2,105	2,475	-15%	528	299%
Unallocated expenses, net	(157)	(213)	-26%	(154)	2%
EBIT as per P&L	1,949	2,263	-14%	374	421%
Segment Margin (%)					
Unitary Cooling Products (UCP)	9.2%	10.0%	-89 bps	8.3%	86 bps
Electro - mechanical Projects & Services (MEP)	-9.8%	-1.9%	-793 bps	-12.2%	241 bps
Engineering Products & Services (EPS)	30.6%	39.3%	-869 bps	32.2%	-165 bps
Segment EBIT margin (%)	5.0%	8.4%	-343 bps	2.0%	299 bps

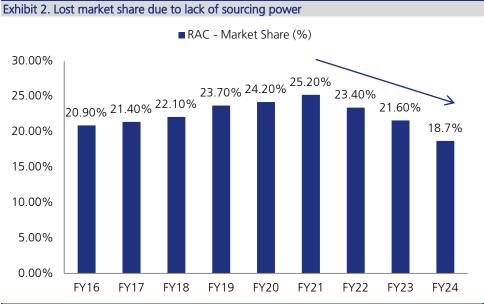
Source: JM Financial, Company

Concall Key takeaways continued

- Demand: Overall demand is strong with rising temperature which resulted in stock outs at the company warehouses.
- The Split AC category is growing significantly and has contributed c.90% to overall sales. Also the sale of 4 and 5 star AC have increased. Voltas expanded the inverter category portfolio to Window AC as well. Split AC has grown by 50% YoY.
- In Commercial Refrigeration growth was tepid due to slowdown in investments by the chocolate industry and Commercial AC delay in passing on the cost - impacted UCP margin.
- Overall RAC margins have gone up from 9% to 10% however commercial ref capped overall UCP margins. Expect UCP margins in high single digit.
- For FY24, of the overall UCP sales, commercial ref was INR 10bn, Commercial AC was INR c.13bn.
- Voltas continue to enjoy strong market share in Machinery and Equipment related business with more than 60%. EBIT margins in EMP ex of Provisions were c.4-5%.

Re-working to gain the lost market share in the RAC

Since FY20, Voltas has been losing its market share in RAC mainly because 1. It used to source some of its requirements of RAC through import, however in FY20 government banned compressor gas equipped RAC, 2. Increased duty on components used in RAC and 3. Increased competition in domestic market - which has impact Voltas profitability and market share. Voltas has planned an capacity expansion of adding c.2mn units of capacity in Chennai which will improve its margins and market share with scale coming in. Also, since FY20, Indian ODM/OEM players have increased their RAC manufacturing capacities which have now started benefiting Voltas as it started sourcing locally along with focusing its own manufacturing. All the above will now resulted in strong growth for Voltas along with some market share improvement. Voltas has seen a RAC volume growth of c.74% YoY Q4FY24 mainly because of the aggressive pricing which resulted in capping the overall margins. We expect Voltas to see 20% + market share in FY25.

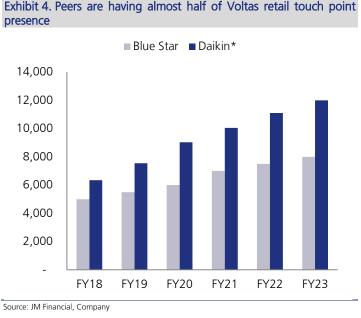


Although Voltas has lost market share it continues to enjoy #1 position in the RAC industry.

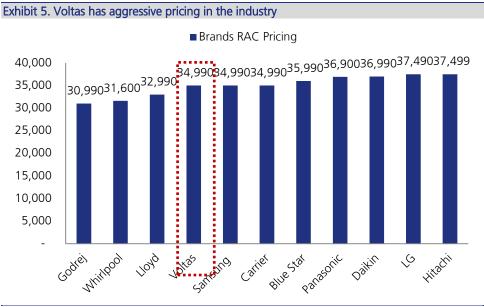
Source: JM Financial, Company

Voltas continue to enjoy its market leadership position mainly because of its strong retail presence in the industry amongst its peers.





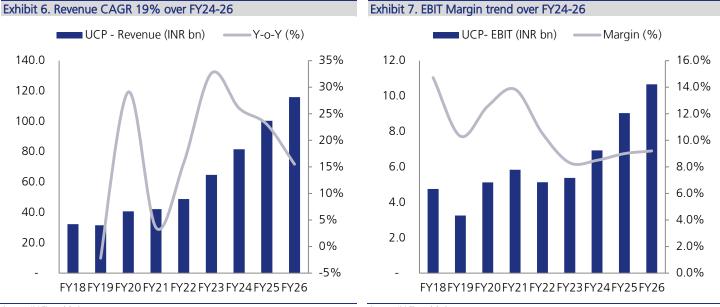
Now Voltas is increasing its reach/ market share in Modern Retail (MR)/Regional Retail (RR) and E-Com. Earlier Voltas was having higher share in General Trade.



Source: JM Financial, Company, Amazon, 1.5ton-3star inverter AC

Commercial Refrigeration business will ride on strong industry demand from industry like QSR, Ice creams, Pharma, industrials etc. Also, Commercial AC business will ride on strong private capex and commercial buildings under implementation.

Overall we expect UCP revenue CAGR 19% over FY24-26 mainly backed by (1) Voltas improving its sourcing, (2) Improving its product mix and pricing points, (3) higher focus on modern trade channel along with general trade and (4) lower RAC penetration. Also, with new manufacturing facility Voltas will further backward integrate which will also result in improvement in margins. We expect margin improvement of 70-100 bps over FY24-26.



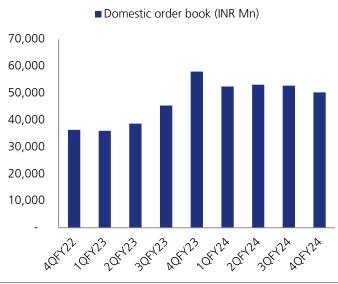
Source: JM Financial, Company

Source: JM Financial, Company

EMP, strong domestic outlook while headwinds in abroad.

Voltas domestic projects business continued to grow on the back of strong order book and private capex been picking up. Also, in domestic business Voltas continue to focus on certification, tight control on the working capital and other project management-related initiatives which not only resulted in strong growth but also continue improve ROCE. International business continues to face challenges due to delay in realization of certain receivables which has resulted in in cost overrun and impacted the overall performance and profitability of the segment.

Exhibit 8. Domestic order book trend





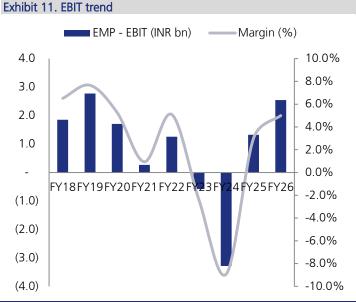
Source: JM Financial, Company

Source: JM Financial, Company

Exhibit 9. International order book trend

We expect revenue CAGR of 17% over FY24-26 mainly backed by strong demand outlook in the domestic market along with some revival in international market.





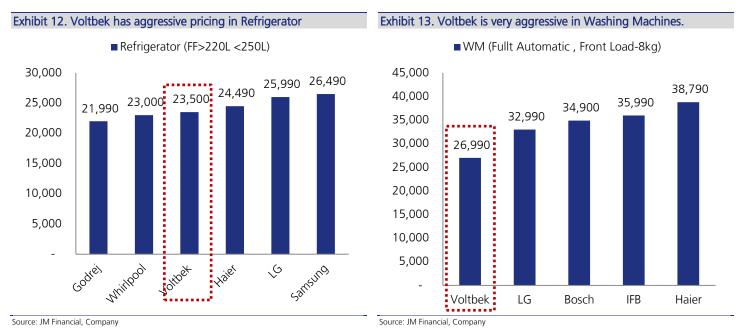
Source: JM Financial, Company

Source: JM Financial, Company

Continue to strengthen Voltas- Beko

Voltbek continues to combine the technical expertise of Arçelik and the brand and distribution strength of Voltas and to increase its reach in the industry. Also in order to gain market share in the low penetrated market, Voltbek is manufacturing 'Made in India' products in Sanand and focusing on expanding distribution in the organized trade network, especially in the South and West India's market. Voltbek has recently launched a fully automatic top load Washing Machine with heater which has had a good response. Also, it started manufacturing DC (Direct Cool) Refrigerators along with the fastest-growing category of Frost-Free (230L - 270L) refrigerator.

Voltbek market share was in Refrigerator was c.5.3%, Washing Machine was c.8.5% and Semi-Automatic was c.15% (12.2% for Dec-23). Also Voltbek revenue grew by c.46% to INR 15.85bn in FY24



Outlook & Valuation

We resume coverage with BUY rating and TP of INR 1,520: We expect VOLT revenue/earning CAGR of c.18%/107% (lower base in FY24) over FY24-26 mainly led by- In UCP (1) Benefit from long-term demand drivers for AC, PLI on components, market-leadership position and Beko (home appliances), (2) Increasing its penetration through channel expansion and (3) Improving its sourcing through backward integration and localisation. However high levels of competition may cap margins in this segment. In EMP: strong domestic order book and revival in international market will add to growth/margin. At CMP VOLT trades at PE of 55x/43x on FY25/FY26, we transfer coverage to Deepak Agarwal and value VOLT at SOTP – UCP 50x to INR 1,202, EMP 15x to INR 76, EPS 20x to INR 132 and Voltbek at INR 105 on FY26 and arrive at TP of 1,515 up 15% from CMP and hence maintain BUY.

Exhibit 14. SOTP Valuation			
Segment	FY26- EPS (INR)	Target Multiple	Target Price (INR)
Unitary Cooling Products (UCP)	24.0	50	1,202
Electro Mechanical Products (EMP)	5.1	15	76
Engineering Products & Services (EPS)	6.6	20	132
Voltas			1,410
Voltbek			105
SOTP Value			1,515

Source: JM Financial, Company

Financial Tables (Consolidated)

Income Statement					(INR mn)
Y/E March	FY22A	FY23A	FY24A	FY25E	FY26E
Net Sales	79,344	94,988	1,24,812	1,51,063	1,74,690
Sales Growth	5.0%	19.7%	31.4%	21.0%	15.6%
Other Operating Income	0	0	0	0	0
Total Revenue	79,344	94,988	1,24,812	1,51,063	1,74,690
Cost of Goods Sold/Op. Exp	58,967	73,782	98,140	1,17,331	1,34,810
Personnel Cost	6,176	6,672	7,788	8,488	9,210
Other Expenses	7,386	8,810	14,138	17,132	20,098
EBITDA	6,815	5,724	4,746	8,111	10,573
EBITDA Margin	8.6%	6.0%	3.8%	5.4%	6.1%
EBITDA Growth	6.3%	-16.0%	-17.1%	70.9%	30.4%
Depn. & Amort.	373	396	476	402	450
EBIT	6,443	5,327	4,270	7,709	10,123
Other Income	1,892	1,685	2,534	4,323	4,573
Finance Cost	259	296	559	380	300
PBT before Excep. & Forex	8,076	6,716	6,245	11,652	14,395
Excep. & Forex Inc./Loss(-)	0	-2,438	0	0	0
PBT	8,076	4,278	6,245	11,652	14,395
Taxes	1,913	1,709	2,503	2,933	3,623
Extraordinary Inc./Loss(-)	0	0	0	0	0
Assoc. Profit/Min. Int.(-)	-1,103	-1,207	-1,387	-825	-186
Reported Net Profit	5,060	1,362	2,355	7,894	10,586
Adjusted Net Profit	5,060	3,800	2,355	7,894	10,586
Net Margin	6.4%	4.0%	1.9%	5.2%	6.1%
Diluted Share Cap. (mn)	330.8	330.8	330.8	330.8	330.8
Diluted EPS (INR)	15.3	11.5	7.1	23.9	32.0
Diluted EPS Growth	-4.3%	-24.9%	-38.0%	235.3%	34.1%
Total Dividend + Tax	1,366	368	670	2,131	2,858
Dividend Per Share (INR)	4.1	1.1	2.0	6.4	8.6

Balance Sheet					(INR mn)
Y/E March	FY22A	FY23A	FY24A	FY25E	FY26E
Shareholders' Fund	54,996	54,521	58,205	65,292	73,308
Share Capital	331	331	331	331	331
Reserves & Surplus	54,665	54,190	57,874	64,961	72,977
Preference Share Capital	0	0	0	0	0
Minority Interest	381	417	337	337	337
Total Loans	3,608	6,506	7,133	7,133	7,133
Def. Tax Liab. / Assets (-)	-317	-303	176	126	76
Total - Equity & Liab.	58,668	61,140	65,851	72,888	80,854
Net Fixed Assets	3,897	5,735	8,703	9,301	9,852
Gross Fixed Assets	6,750	8,596	9,347	10,747	11,747
Intangible Assets	723	723	723	723	723
Less: Depn. & Amort.	4,170	4,566	5,042	5,444	5,894
Capital WIP	593	983	3,675	3,275	3,275
Investments	32,344	28,509	30,517	30,709	31,809
Current Assets	60,782	68,191	80,724	1,01,500	1,18,268
Inventories	16,614	15,920	21,354	28,931	33,241
Sundry Debtors	21,097	21,919	25,328	38,904	44,989
Cash & Bank Balances	5,717	7,084	8,523	10,468	14,243
Loans & Advances	0	0	0	0	0
Other Current Assets	17,355	23,269	25,519	23,197	25,796
Current Liab. & Prov.	38,355	41,294	54,093	68,622	79,074
Current Liabilities	29,421	30,126	38,557	57,862	66,481
Provisions & Others	8,935	11,168	15,536	10,760	12,593
Net Current Assets	22,427	26,896	26,631	32,877	39,194
Total – Assets	58,668	61,140	65,851	72,888	80,854

Source: Company, JM Financial

Source: Company, JM Financial

Cash Flow Statement					(INR mn)
Y/E March	FY22A	FY23A	FY24A	FY25E	FY26E
Profit before Tax	8,076	3,071	4,858	11,652	14,395
Depn. & Amort.	373	396	476	402	450
Net Interest Exp. / Inc. (-)	219	-219	-67	4,703	4,873
Inc (-) / Dec in WCap.	-438	-3,836	801	-6,245	-2,542
Others	-218	3,838	3,662	0	0
Taxes Paid	-2,169	-1,656	-2,115	-2,983	-3,673
Operating Cash Flow	5,842	1,594	7,615	7,530	13,503
Capex	-482	-1,799	-2,931	-1,000	-1,000
Free Cash Flow	5,360	-206	4,685	6,530	12,503
Inc (-) / Dec in Investments	-10,602	-20,696	-3,176	1,751	-1,100
Others	7,437	21,679	883	-5,149	-4,758
Investing Cash Flow	-3,646	-816	-5,224	-4,397	-6,858
Inc / Dec (-) in Capital	0	0	0	0	0
Dividend + Tax thereon	-1,676	-1,829	-1,432	-808	-2,570
Inc / Dec (-) in Loans	918	2,728	974	0	0
Others	-312	-349	-704	-380	-300
Financing Cash Flow	-1,070	550	-1,163	-1,188	-2,870
Inc / Dec (-) in Cash	1,125	1,328	1,228	1,945	3,774
Opening Cash Balance	4,480	5,605	6,936	8,523	10,468
Closing Cash Balance	5,605	6,934	8,164	10,468	14,243

Source: Company, JM Financial

Dupont Analysis					
Y/E March	FY22A	FY23A	FY24A	FY25E	FY26E
Net Margin	6.4%	4.0%	1.9%	5.2%	6.1%
Asset Turnover (x)	1.4	1.6	2.0	2.2	2.3
Leverage Factor (x)	1.1	1.1	1.1	1.1	1.1
RoE	9.6%	6.9%	4.2%	12.8%	15.3%

Y/E March	FY22A	FY23A	FY24A	FY25E	FY26E
BV/Share (INR)	166.3	164.8	176.0	197.4	221.6
ROIC	24.2%	13.7%	9.7%	19.8%	22.8%
ROE	9.6%	6.9%	4.2%	12.8%	15.3%
Net Debt/Equity (x)	0.0	0.0	0.0	-0.1	-0.1
P/E (x)	86.2	114.8	185.3	55.3	41.2
P/B (x)	7.9	8.0	7.5	6.7	6.0
EV/EBITDA (x)	63.8	76.2	91.8	53.5	40.7
EV/Sales (x)	5.5	4.6	3.5	2.9	2.5
Debtor days	97	84	74	94	94
Inventory days	76	61	62	70	69
Creditor days	148	123	117	148	148

Source: Company, JM Financial

Date	Recommendation	Target Price	% Chg.
10-Feb-20	Buy	750	
9-Apr-20	Buy	535	-28.7
2-Jun-20	Hold	525	-1.9
3-Aug-20	Hold	525	0.0
17-Aug-20	Hold	570	8.6
9-Nov-20	Hold	720	26.3
15-Feb-21	Hold	960	33.3
14-May-21	Hold	960	0.0
11-Aug-21	Hold	1,000	4.2
1-Nov-21	Hold	1,070	7.0
14-Feb-22	Hold	1,100	2.8
10-May-22	Buy	1,250	13.6
4-Jul-22	Buy	1,250	0.0
4-Aug-22	Buy	1,200	-4.0
22-Sep-22	Buy	1,150	-4.2
2-Nov-22	Buy	1,150	0.0
10-Feb-23	Buy	1,100	-4.3
27-Apr-23	Buy	1,100	0.0



APPENDIX I

JM Financial Institutional Securities Limited

Corporate Identity Number: U67100MH2017PLC296081

Member of BSE Ltd. and National Stock Exchange of India Ltd.

SEBI Registration Nos.: Stock Broker - INZ000163434, Research Analyst - INH000000610

Registered Office: 7th Floor, Cnergy, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India.

Board: +91 22 6630 3030 | Fax: +91 22 6630 3488 | Email: jmfinancial.research@jmfl.com | www.jmfl.com

Compliance Officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1073 | Email: sahil.salastekar@jmfl.com

Grievance officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1073 | Email: instcompliance@jmfl.com

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

Definition of ratings	
Rating	Meaning
Buy	Total expected returns of more than 10% for stocks with market capitalisation in excess of INR 200 billion and REITs* and more than 15% for all other stocks, over the next twelve months. Total expected return includes dividend yields.
Hold	Price expected to move in the range of 10% downside to 10% upside from the current market price for stocks with market capitalisation in excess of INR 200 billion and REITs* and in the range of 10% downside to 15% upside from the current market price for all other stocks, over the next twelve months.
Sell	Price expected to move downwards by more than 10% from the current market price over the next twelve months.

* REITs refers to Real Estate Investment Trusts.

Research Analyst(s) Certification

The Research Analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that:

All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and

No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

Important Disclosures

This research report has been prepared by JM Financial Institutional Securities Limited (JM Financial Institutional Securities) to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its associates solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of JM Financial Institutional Securities. This report has been prepared independent of the companies covered herein.

JM Financial Institutional Securities is registered with the Securities and Exchange Board of India (SEBI) as a Research Analyst and a Stock Broker having trading memberships of the BSE Ltd. (BSE) and National Stock Exchange of India Ltd. (NSE). No material disciplinary action has been taken by SEBI against JM Financial Institutional Securities in the past two financial years which may impact the investment decision making of the investor. Registration granted by SEBI and certification from the National Institute of Securities Market (NISM) in no way guarantee performance of JM Financial Institutional Securities or provide any assurance of returns to investors.

JM Financial Institutional Securities renders stock broking services primarily to institutional investors and provides the research services to its institutional clients/investors. JM Financial Institutional Securities and its associates are part of a multi-service, integrated investment banking, investment management, brokerage and financing group. JM Financial Institutional Securities and/or its associates might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, broking, financing or any other advisory services to the company(ies) covered herein. JM Financial Institutional Securities and/or its associates might have received during the past twelve months or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services.

JM Financial Institutional Securities and/or its associates, their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (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) covered under this report or (c) act as an advisor or lender/borrower to, or may have any financial interest in, such company(ies) or (d) considering the nature of business/activities that JM Financial Institutional Securities is engaged in, it may have potential conflict of interest at the time of publication of this report on the subject company(ies).

Neither JM Financial Institutional Securities nor its associates or the Research Analyst(s) named in this report or his/her relatives individually own one per cent or more securities of the company(ies) covered under this report, at the relevant date as specified in the SEBI (Research Analysts) Regulations, 2014.

The Research Analyst(s) principally responsible for the preparation of this research report and their immediate relatives are prohibited from buying or selling debt or equity securities, including but not limited to any option, right, warrant, future, long or short position issued by company(ies) covered under this report. The Research Analyst(s) principally responsible for the preparation of this research report or their immediate relatives (as defined under SEBI (Research Analysts) Regulations, 2014); (a) do not have any financial interest in the company(ies) covered under this report or (b) did not receive any compensation from the company(ies) covered under this report, or from any third party, in connection with this report or (c) do not have any other material conflict of interest at the time of publication of this report. Research Analyst(s) are not serving as an officer, director or employee of the company(ies) covered under this report.

While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and JM Financial Institutional Securities does not warrant its accuracy or completeness. JM Financial Institutional Securities may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision.

This research report is based on the fundamental research/analysis conducted by the Research Analyst(s) named herein. Accordingly, this report has been prepared by studying/focusing on the fundamentals of the company(ies) covered in this report and other macro-economic factors. JM Financial Institutional Securities may have also issued or may issue, research reports and/or recommendations based on the technical/quantitative analysis of the company(ies) covered in this report by studying and using charts of the stock's price movement, trading volume and/or other volatility parameters. As a result, the views/recommendations expressed in such technical research reports could be inconsistent or even contrary to the views contained in this report.

The investment discussed or views expressed or recommendations/opinions given herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and JM Financial Institutional Securities reserves the right to make modifications and alterations to this statement as they may deem fit from time to time.

This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction.

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 JM Financial Institutional Securities and/or its affiliated company(ies) 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 a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions.

Additional disclosure only for U.S. persons: JM Financial Institutional Securities has entered into an agreement with JM Financial Securities, Inc. ("JM Financial Securities"), a U.S. registered broker-dealer and member of the Financial Industry Regulatory Authority ("FINRA") in order to conduct certain business in the United States in reliance on the exemption from U.S. broker-dealer registration provided by Rule 15a-6, promulgated under the U.S. Securities Exchange Act of 1934 (the "Exchange Act"), as amended, and as interpreted by the staff of the U.S. Securities and Exchange Commission ("SEC") (together "Rule 15a-6").

This research report is distributed in the United States by JM Financial Securities in compliance with Rule 15a-6, and as a "third party research report" for purposes of FINRA Rule 2241. In compliance with Rule 15a-6(a)(3) this research report is distributed only to "major U.S. institutional investors" as defined in Rule 15a-6 and is not intended for use by any person or entity that is not a major U.S. institutional investor. If you have received a copy of this research report and are not a major U.S. institutional investor, you are instructed not to read, rely on, or reproduce the contents hereof, and to destroy this research or return it to JM Financial Institutional Securities or to JM Financial Securities.

This research report is a product of JM Financial Institutional Securities, which is the employer of the research analyst(s) solely responsible for its content. The research analyst(s) preparing this research report is/are resident outside the United States and are not associated persons or employees of any U.S. registered broker-dealer. Therefore, the analyst(s) are not subject to supervision by a U.S. broker-dealer, or otherwise required to satisfy the regulatory licensing requirements of FINRA and may not be subject to the Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

Any U.S. person who is recipient of this report that wishes further information regarding, or to effect any transaction in, any of the securities discussed in this report, must contact, and deal directly through a U.S. registered representative affiliated with a broker-dealer registered with the SEC and a member of FINRA. In the U.S., <u>JM Financial Institutional Securities has an affiliate, JM Financial Securities, Inc. located at 1325 Avenue of the Americas, 28th Floor, Office No. 2821, New York, New York 10019. Telephone +1 (332) 900 4958 which is registered with the SEC and is a member of FINRA and SIPC.</u>

Additional disclosure only for U.K. persons: Neither JM Financial Institutional Securities nor any of its affiliates is authorised in the United Kingdom (U.K.) by the Financial Conduct Authority. As a result, this report is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the Financial Services and Markets Act 2000) in connection with the matters to which this report relates may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This report is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this report relates is available only to relevant persons and will be engaged in only with relevant persons.

Additional disclosure only for Canadian persons: This report is not, and under no circumstances is to be construed as, an advertisement or a public offering of the securities described herein in Canada or any province or territory thereof. Under no circumstances is this report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the registration requirement in the relevant province or territory of Canada in which such offer or sale is made. This report is not, and under no circumstances is it to be construed as, a prospectus or an offering memorandum. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon these materials, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offerice. If you are located in Canada, this report has been made available to you based on your representation that you are an "accredited investor" as such term is defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Under no circumstances is the needs of the recipient. Canadian recipients are advised that JM Financial Securities, Inc., JM Financial Institutional Securities Limited, their affiliates and authorized agents are not responsible for, nor do they accept, any liability whatsoever for any direct or consequential loss arising from any use of this research report or the information contained herein.