Westlife Foodworld | BUY

Operating deleverage drives earnings miss

Westlife's 4Q and FY24 earnings print was weak on account of sharp moderation in SSSGs vs a stellar FY23. Macro & high base apart, external issues (negative sentiment vs US brands, issue around cheese usage) impacted the SSSG delivery. While there is progressive improvement in situation, it is in a more gradual manner; hence the same store sales are likely to be soft in 1HFY25. On the positive side, store additions in the year were inline with the management guidance and gross margins were managed well too despite increased focus on value portfolio, one-time vendor incentives in base as well as lack of pricing lever. Also, as far as store economics are concerned, management indicated that they have been able to improve store breakeven point and once volumes/SSSG starts to normalise, the benefit should be visible in the profitability. Given the weakness in same store sales in 1H, we expect stock to remain under pressure in near term. However, we believe these issues are more transient in nature and internal brand metrics remain healthy. From long term perspective, we remain constructive and weakness in stock price should be looked as opportunity to add.

- Inline revenue performance; recovery in same store sales to be more gradual: Westlife's revenue grew 1.6% yoy (SSSG: -5%) to INR 5.5bn, inline with our expectation. Store count was up 11.2% yoy (inline), as quarter witnessed net addition of 17 stores (total store count stood at 397). Average sales per store declined by 8.7% yoy while TTM average sales per store was down 5% yoy at INR63mn. Same store sales performance although soft, decline was lower vs 3QFY24 (down 9% yoy). Management highlighted that quarter still had impact of external issues (negative sentiment versus US brands) seen in previous quarter along with additional impact especially in western market owing to the issue around usage of cheese. However, progressive improvement was seen in 4Q on the back of strategic interventions and proactive communication. Demand situation has largely stabilised and management anticipates external issues to bottom out over next couple of quarters; hence, incremental macro headwinds are unlikely. On store additions, Westlife ended FY24 with 41 store additions (inline with its guidance), and remains confident about opening 45-50 stores in FY25 and reach 580-630 restaurants by 2027.
- Gross margin delivery on track; scale deleverage impacts operating performance: GM (excl. processing charges) was tad lower vs expectation (down 163 bps yoy and 25bps qoq) at 69.6%, albeit on high base 4QFY23 had one time incentive benefit from vendors. Input cost scenario remains broadly stable and manageable as per the management. Store level staff costs and royalty expense increased by c.15% each while other op expenses grew by c.6%. Resultant scale deleverage led to ROM (pre-IND AS) compression of 560bps yoy to 14.4%. Corporate G&A declined by 28% yoy, on a high base (4QFY23 had impact of one-time bonuses given to employees for stellar performance in FY23), as a result EBITDA margin (pre-IND AS) compression was lower at c.300bps yoy to 8.7%, translating to 25% decline in EBITDA to INR 483mn (7% below our estimate). Rep EBITDA declined by 15.6% at INR 747mn.



Mehul Desai mehul.desai@jmfl.com | Tel: (91 22) 66303065 Sumanyu Saraf

sumanyu.saraf@jmfl.com | Tel: (91 22) 66303077

Recommendation and Price Target	
Current Reco.	BUY
Previous Reco.	BUY
Current Price Target (12M)	940
Upside/(Downside)	8.5%
Previous Price Target	945
Change	-0.5%

Key Data – WESTLIFE IN	
Current Market Price	INR866
Market cap (bn)	INR135.2/US\$1.6
Free Float	36%
Shares in issue (mn)	155.8
Diluted share (mn)	155.9
3-mon avg daily val (mn)	INR159.1/US\$1.9
52-week range	1,025/701
Sensex/Nifty	73,466/22,303
INR/US\$	83.5

•		
1M	6M	12M
5.5	6.4	8.8
7.2	-6.1	-8.5
	1M 5.5	1M 6M 5.5 6.4

* To the BSE Sensex

Financial Summary					(INR mn)
Y/E March	FY22A	FY23A	FY24E	FY25E	FY26E
Net Sales	15,561	22,594	23,682	26,712	30,881
Sales Growth (%)	59.6%	45.2%	4.8%	12.8%	15.6%
EBITDA	1,892	3,740	3,693	4,257	5,255
EBITDA Margin (%)	12.0%	16.4%	15.4%	15.8%	16.9%
Adjusted Net Profit	-17	1,116	699	848	1,317
Diluted EPS (INR)	-0.1	7.2	4.5	5.4	8.4
Diluted EPS Growth (%)	NA	NA	NA	21.3%	55.3%
ROIC (%)	8.7%	30.0%	21.0%	25.0%	0.0%
ROE (%)	-0.4%	21.7%	12.1%	13.8%	19.2%
P/E (x)	NA	NA	NA	NA	NA
P/B (x)	29.2	23.9	23.0	21.0	18.5
EV/EBITDA (x)	71.5	36.2	36.8	31.7	25.5
Dividend Yield (%)	0.0%	0.0%	0.4%	0.2%	0.3%

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

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. 4Q & FY24 results	snapshot: Rev	enue inline; hig	her other expe	enses drove ea	arnings miss			(INR mn)
	4QFY24	4QFY23	YoY chg	4QFY24E	% var	FY24	FY23	YoY chg
Net Sales	5,527	5,438	1.6%	5,516	0.2%	23,682	22,594	4.8%
Other Operating Income	93	123	-24.5%	100	-6.8%	227	182	24.9%
Total Revenue	5,620	5,561	1.1%	5,616	0.1%	23,909	22,775	5.0%
Gross Profit	3,849	3,876	-0.7%	3,861	-0.3%	16,575	15,734	5.3%
Gross Profit Margin %	69.6%	71.3%	-163 bps	70.0%	-35 bps	70.0%	69.6%	35 bps
Staff Cost	834	926	-10.0%	877	-5.0%	3,285	3,106	5.8%
Other Expenses	2,363	2,189	7.9%	2,294	3.0%	9,833	9,076	8.3%
EBITDA	747	884	-15.6%	790	-5.5%	3,684	3,734	-1.3%
EBITDA margin %	13.5%	16.3%	-276 bps	14.3%	-82 bps	15.6%	16.5%	-97 bps
Comparable EBITDA (Pre Ind-AS 116)	483	641	-24.7%	519	-7.0%	2,634	2,878	-8.5%
Comparable EBITDA margin %	8.7%	11.8%	-306 bps	9.4%	-68 bps	11.1%	12.7%	-162 bps
Depreciation	499	412	21.2%	472	5.8%	1,822	1,522	19.7%
EBIT	247	472	-47.7%	318	-22.3%	1,862	2,212	-15.8%
Net Financial Income	-228	-195	16.6%	-245	-7.0%	-903	-718	25.8%
PBT	20	277	-93.0%	73	-73.4%	958	1,495	-35.9%
Net Profit	8	201	-96.2%	55	-86.1%	692	1,116	-38.0%

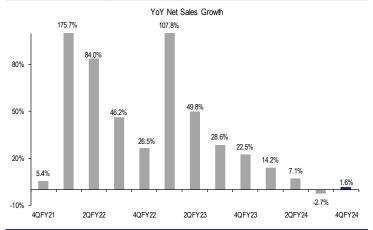
Source: Company, JM Financial

Exhibit 2. 4Q & FY24 costs breakdown										
% of revenue	4QFY24	4QFY23	4QFY24E	FY24	FY23					
Cost of Goods Sold	30.4%	28.7%	31.8%	30.0%	30.4%					
Staff Cost	15.1%	17.0%	15.9%	13.9%	13.7%					
Other Expenses	42.7%	40.3%	41.6%	41.5%	40.2%					
Depreciation	9.0%	7.6%	8.6%	7.7%	6.7%					

Source: Company, JM Financial

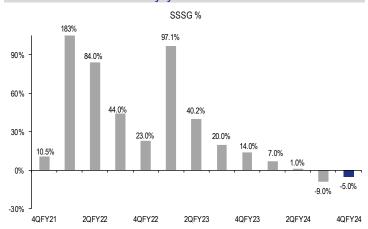
Exhibit 3. Per store economics: Scale deleverage led to a decline in EBITDA per store									
Per store basis (INR mn)	4Q24	3Q24	4Q23	% chg. YoY	% chg. QoQ				
Average revenue / store	14.2	15.8	15.6	-8.7%	-10.0%				
Staff cost / store	2.1	2.2	2.7	-19.1%	-2.1%				
Other expenses / store	6.8	7.3	7.0	-3.0%	-7.8%				
EBITDA	1.2	1.7	1.8	-32.4%	-27.9%				

Exhibit 4. Net sales grew 1.6% yoy on the back of store additions



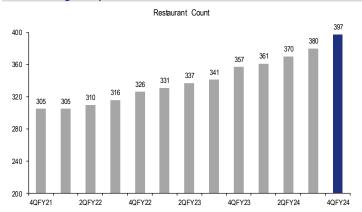
Source: Company, JM Financial

Exhibit 5. SSSG declined 5% yoy



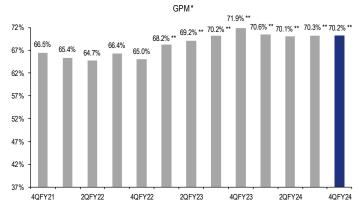
Source: Company, JM Financial

Exhibit 6. Store count grew by 11.2 yoy with net addition of 17 stores during the quarter



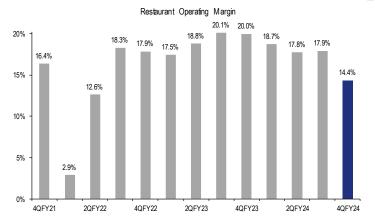
Source: Company, JM Financial

Exhibit 7. GPM down 176bps yoy and flattish (-12bps) qoq



Source: Company, JM Financial,* incl other operating income, ** incl processing charges

Exhibit 8. ROM declined to 14.4%



Source: Company, JM Financial,

Exhibit 9. Comparable EBITDA margin was down 306bps yoy and 217bps qoq due to scale deleverage

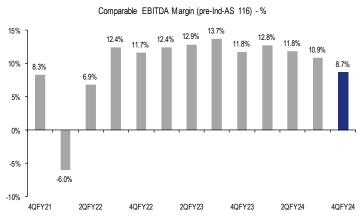
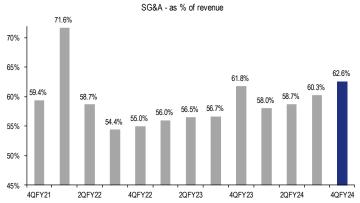


Exhibit 10. SG&A grew 3% yoy but declined 3.1% qoq



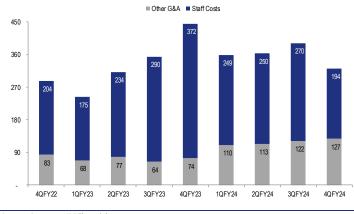


Exhibit 11. Corporate overheads down 17.9% sequentially

Source: Company, JM Financial Source: Company, JM Financial

Exhibit 12. Our 12-month DCF based price target works out to INR 940/share									(INR mn)								
(INR mn)	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E	FY27E	FY28E	FY29E	FY30E	FY31E	FY32E	FY33E	FY34E	FY35
Revenue	14,020	15,478	9,860	15,765	22,782	23,918	26,978	31,189	35,797	40,981	46,654	52,061	57,743	63,881	70,508	77,661	85,38
yoy growth		10.4%	-36.3%	59.9%	44.5%	5.0%	12.8%	15.6%	14.8%	14.5%	13.8%	11.6%	10.9%	10.6%	10.4%	10.1%	9.99
Comparable EBITDA (Pre Ind As 116)	1,190	1,392	-173	1,216	2,881	2,634	3,029	3,840	4,554	5,588	6,511	7,293	8,102	8,916	9,858	11,336	12,98
EBITDA margin %	8.5%	9.0%	-1.8%	7.7%	12.6%	11.0%	11.2%	12.3%	12.7%	13.6%	14.0%	14.0%	14.0%	14.0%	14.0%	14.6%	15.2%
Comparable EBIT (Pre Ind As 116)	393	526	-1,041	370	1,941	1,430	1,590	2,144	2,588	3,326	3,935	4,405	4,896	5,373	5,962	7,068	8,329
EBIT margin %	2.8%	3.4%	-10.6%	2.3%	8.5%	6.0%	5.9%	6.9%	7.2%	8.1%	8.4%	8.5%	8.5%	8.4%	8.5%	9.1%	9.8%
Tax Rate	39.5%	16.3%	22.8%	19.4%	25.3%	27.1%	25.2%	25.2%	25.2%	25.2%	25.2%	25.2%	25.2%	25.2%	25.2%	25.2%	25.2%
NOPAT	238	441	-804	298	1,449	1,043	1,189	1,604	1,936	2,488	2,943	3,295	3,662	4,019	4,459	5,287	6,230
Depreciation	797	865	868	846	940	1,204	1,439	1,695	1,967	2,263	2,576	2,888	3,207	3,543	3,897	4,268	4,659
Capex	1,925	-1,139	-105	-666	-2,387	-2,176	-2,562	-2,716	-2,875	-3,229	-3,224	-3,207	-3,377	-3,554	-3,738	-3,928	-4,12
Net working capital investment	-175	441	515	-143	225	45	892	283	348	346	425	424	451	502	532	482	51
Free Cash Flow	2,785	608	473	335	228	115	959	867	1,375	1,868	2,720	3,400	3,943	4,510	5,150	6,109	7,274
YoY Growth - %							734.4%	-9.5%	58.6%	35.8%	45.6%	25.0%	16.0%	14.4%	14.2%	18.6%	19.1%
Discounting Factor							1.00	0.91	0.83	0.75	0.68	0.62	0.56	0.51	0.47	0.42	0.39
Present Value of FCF							959	788	1,136	1,403	1,858	2,111	2,226	2,314	2,402	2,591	2,804

Fade period forecast	FY36E	FY37E	FY38E	FY39E	FY40E	FY41E	FY42E	FY43E	FY44E	FY45E FY	/36-45 CAGR
FCF	8,574	10,002	11,547	13,192	14,912	16,676	18,448	20,185	21,841	23,370	12%
Discounting Factor	0.35	0.32	0.29	0.26	0.24	0.22	0.20	0.18	0.16	0.15	
Present Value of FCF	3,005	3,187	3,345	3,474	3,570	3,629	3,650	3,630	3,571	3,474	

12M Forward Equity Valuation	
PV of Cash Flow - Explicit Period	20,592
PV of Cash Flow - Fade Period	34,535
PV of Terminal Value	92,056
Enterprise Value	147,183
Debt - Mar'23	2,390
Cash - Mar'23	1,521
Net Debt	869
Equity value	146,314
Mn no of shares	156
12M Target (DCF value) - Rs per share	940

Financial Tables (Consolidated)

Profit & Loss Statement					(INR mn)
Y/E March	FY22A	FY23A	FY24E	FY25E	FY26E
Net Sales	15,561	22,594	23,682	26,712	30,881
Sales Growth	59.6%	45.2%	4.8%	12.8%	15.6%
Other Operating Income	204	188	236	266	308
Total Revenue	15,765	22,782	23,918	26,978	31,189
Cost of Goods Sold/Op. Exp.	5,129	6,860	7,107	8,956	10,307
Personnel cost	2,095	3,106	3,285	3,676	4,122
Other expenses	6,648	9,076	9,833	10,089	11,505
EBITDA	1,892	3,740	3,693	4,257	5,255
EBITDA(%)	12.0%	16.4%	15.4%	15.8%	16.9%
EBITDA Growth (%)	303.1%	97.7%	-1.3%	15.3%	23.4%
Comparable EBITDA	1,216	2,881	2,634	3,029	3,840
Comparable EBITDA (%)	7.8%	12.8%	11.1%	11.3%	12.4%
Depn & Amort	1,364	1,522	1,822	2,093	2,408
EBIT	528	2,219	1,871	2,164	2,847
Other Income	277	203	185	193	258
Finance Cost	826	927	1,097	1,224	1,345
PBT before Excep & Forex	-21	1,495	958	1,133	1,760
Excep & forex Inc/Loss(-)	0	0	0	0	0
PBT	-21	1,495	958	1,133	1,760
Taxes	-4	379	266	286	444
Extraordinary Inc/Loss(-)	0	0	0	0	0
Assoc. Profit/Min. Int.(-)	0	0	0	0	0
Reported Net profit	-17	1,116	692	848	1,317
Adjusted Net Profit	-17	1,116	699	848	1,317
Net Margin (%)	-0.1%	4.9%	2.9%	3.2%	4.3%
Diluted share capital (mn)	155.9	155.9	155.9	155.9	155.9
Diluted EPS (Rs)	(0.1)	7.2	4.5	5.4	8.4
Diluted EPS Growth	NA	NA	-37.4%	21.3%	55.3%
Total Dividend + Tax	0	0	538	297	461
Dividend Per Share (Rs)	0.0	0.0	3.5	1.9	3.0

Balance Sheet					(INR mn)
Y/E March	FY22A	FY23A	FY24E	FY25E	FY26E
Shareholders' Fund	4,621	5,659	5,883	6,434	7,289
Share capital	312	312	312	312	312
Reserves & Surplus	4,309	5,347	5,571	6,122	6,977
Preference Share Capital	0	0	0	0	0
Minority Interest	0	0	0	0	0
Total Loans	2,010	2,070	2,390	2,151	1,936
Def. Tax Liab / Assets (-)	-520	-604	-708	-708	-708
Total - Equity & Liab	6,111	7,126	7,565	7,877	8,518
Net Fixed Assets	5,442	6,836	7,382	8,014	8,534
Gross Fixed Assets	9,088	11,263	13,559	16,121	18,837
Intangible Assets	466	466	466	466	466
Less: Depn. & Amort.	3,649	4,257	5,461	6,901	8,596
Capital WIP & Net lease asse	-462	-636	-1,182	-1,673	-2,173
Investments	1,504	1,299	1,380	1,380	1,380
Current Assets	1,973	2,291	2,153	3,279	4,201
Inventories	559	714	632	713	825
Sundry Debtors	133	107	173	195	226
Cash & Bank Balances	232	284	141	1,010	1,577
Loans & Advances	1,048	1,185	1,206	1,361	1,573
Other Current Assets	0	0	0	0	0
Current Liab. & Prov.	2,809	3,300	3,350	4,796	5,597
Current Liabilities	2,675	3,170	3,251	4,388	5,012
Provisions & Others	134	130	99	407	585
Net Current Assets	-836	-1,009	-1,197	-1,517	-1,396
Application of Funds	6,111	7,126	7,565	7,877	8,518

Source: Company, JM Financial

Source: Company, JM Financial

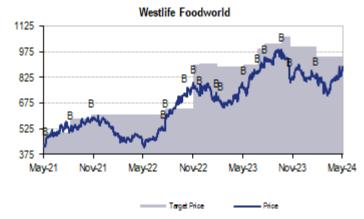
Cash Flow statement					(INR mn)
Y/E March	FY22A	FY23A	FY24E	FY25E	FY26E
Profit before Tax	-21	1,495	958	1,133	1,760
Depn. & Amort.	1,364	1,522	1,822	2,093	2,408
Net Interest Exp. / Inc. (-)	549	724	913	1,031	1,087
Inc (-) / Dec in WCap.	-145	70	76	892	283
Others	24	113	30	0	0
Taxes Paid	-66	-439	-403	-286	-444
Operating Cash Flow	1,706	3,485	3,396	4,863	5,095
Capex	-999	-2,691	-2,154	-2,562	-2,716
Free Cash Flow	707	795	1,241	2,301	2,379
-Inc/dec in investments	565	234	75	0	0
Other current assets	-131	-197	233	193	258
Investing Cash Flow	-565	-2,653	-1,845	-2,369	-2,457
Inc/(dec) in capital	24	-21	0	0	0
Dividend+Tax Thereon	0	0	-536	0	-297
Inc/dec in loans	-142	60	320	-239	-215
Other assets	-901	-1,020	-1,276	-1,387	-1,559
Financing Cash Flow	-1,019	-981	-1,492	-1,626	-2,070
Inc / Dec (-) in Cash	123	-149	59	869	567
Opening cash balance	110	433	83	141	1,010
Closing cash balance	232	284	141	1,010	1,577

Source: Company, JM Financial

Dupont Analysis						
Y/E March	FY22A	FY23A	FY24E	FY25E	FY26E	
Net Margin	-0.1%	4.9%	2.9%	3.2%	4.3%	
Asset Turnover (x)	2.5	3.4	3.2	3.5	3.8	
Leverage Factor (x)	1.3	1.3	1.3	1.3	1.2	
RoE	-0.4%	21.7%	12.1%	13.8%	19.2%	
Key Ratios						
Y/E March	FY22A	FY23A	FY24E	FY25E	FY26E	
BV/Share (Rs)	29.6	36.3	37.7	41.3	46.7	
ROIC (%)	8.7%	30.0%	21.0%	25.0%	0.0%	
ROE (%)	-0.4%	21.7%	12.1%	13.8%	19.2%	
Net Debt-equity ratio (x)	0.1	0.1	0.1	0.0	-0.1	
PER	NA	NA	NA	NA	NA	
PBV	29.2	23.9	23.0	21.0	18.5	
EV/EBITDA	71.5	36.2	36.8	31.7	25.5	
EV/Net Sales	8.7	6.0	5.7	5.0	4.3	
Debtor days	3	2	3	3	3	
Inventory days	13	12	10	10	10	
Creditor days	70	61	59	70	71	

Date	Recommendation	Target Price	% Chg
8-Oct-20	Buy	390	
8-Nov-20	Buy	415	6.4
26-Nov-20	Buy	450	8.4
22-Jan-21	Buy	510	13.3
13-May-21	Buy	500	-2.0
13-Aug-21	Buy	585	17.0
29-Oct-21	Buy	610	4.3
20-Jul-22	Buy	620	1.6
29-Jul-22	Buy	645	4.0
7-Oct-22	Buy	645	0.0
9-Nov-22	Buy	900	39.5
2-Dec-22	Buy	905	0.6
1-Feb-23	Buy	890	-1.7
15-Feb-23	Buy	890	0.0
10-May-23	Buy	900	1.1
3-Jul-23	Buy	995	10.6
27-Jul-23	Buy	1,020	2.5
27-Sep-23	Buy	1,060	3.9
27-Oct-23	Buy	1,005	-5.2
1-Feb-24	Buy	945	-6.0

Recommendation History



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., 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.

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 offence. 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 information contained herein to be construed as investment advice in any province or territory of Canada nor should it be construed as being tailored to 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.