ANANDRATHI

**India | Equities** 

Asbestos Cement Sheets Company Update

Change in Estimates ☑ Target ☑ Reco □

12 November 2018

## **Visaka Industries**

Expansion to aid growth; Buy

Visaka was hit by rising input costs and the high base of the BP division during the quarter. Its yarn division margins, however, continue to recover. The expected price hikes, de-leveraging, improving yarn division, commissioning of the Jhajjar plant and solar roofing (ATUM) would provide the requisite impetus to growth. We retain our Buy rating, with a lower TP of ₹640.

**BP** division: volume-driven growth. Hurt by rising diesel prices, the depreciating rupee and higher pulp prices, the BP division's PBIT margin declined 421bps y/y to 12.3%. With management talking of double-digit volume growth and 5-6% price hikes to pass on the rising costs, we expect the BP division's revenue and EBIT to register CAGRs over FY18-20 of respectively 8.5% and 3%.

**Yarn division: on the path to recovery.** Badly bruised by the GST implementation, the yarn division grew well (on the low base). The EBIT margin rose to 12.5% (1.9% a year ago), whereas volumes grew 72% y/y. Management said that the division's EBITDA margin would touch 12% in FY19 (vs. 8% in FY18). We expect the yarn division revenue to clock a 10.5% CAGR over FY18-20, boosted by demand recovering.

**Business outlook.** With better net cash (improving cashflows) and with better return ratios (no major capex planned so far for the next two years), de-leveraging is on the cards. We expect  $\sim ₹500$ m-600m debt reduction in FY19. On the V-Board plant at Jhajjar commencing, rationalisation of the lead distance is expected. Further, the sharper focus on optimising working capital and improving the yarn division's performance would lead to a 12.8% CAGR over FY18-20 in overall profitability, with expanded return ratios.

**Valuation.** We maintain a Buy rating and lower our multiple to 12x FY20e EPS in accord with the overall sector reduction in valuations. **Risks.** Rise in input costs, demand slowdown.

FY16	FY17	FY18	FY19e	FY20e
10,049	9,606	10,123	11,224	11,998
244	428	665	744	847
15.3	26.9	41.8	46.7	53.2
6.9	10.1	10.9	9.7	8.5
4.2	5.2	6.3	5.6	4.6
0.5	1.1	1.6	1.4	1.3
7.1	11.4	15.9	15.6	15.6
5.3	7.8	11.4	11.2	12.6
4.7	2.2	1.5	1.5	1.5
0.7	0.4	0.5	0.3	0.2
	10,049 244 15.3 6.9 4.2 0.5 7.1 5.3 4.7	10,049 9,606   244 428   15.3 26.9   6.9 10.1   4.2 5.2   0.5 1.1   7.1 11.4   5.3 7.8   4.7 2.2	10,049 9,606 10,123   244 428 665   15.3 26.9 41.8   6.9 10.1 10.9   4.2 5.2 6.3   0.5 1.1 1.6   7.1 11.4 15.9   5.3 7.8 11.4   4.7 2.2 1.5	10,049 9,606 10,123 11,224   244 428 665 744   15.3 26.9 41.8 46.7   6.9 10.1 10.9 9.7   4.2 5.2 6.3 5.6   0.5 1.1 1.6 1.4   7.1 11.4 15.9 15.6   5.3 7.8 11.4 11.2   4.7 2.2 1.5 1.5

Rating: <b>Buy</b>
Target Price: ₹640
Share Price: ₹454

Key data	VSKI IN / VSKI.BO
52-week high / low	₹840 / 416
Sensex/Nifty	34813 / 10482
3-m average volume	\$0.3m
Market cap	₹7bn / \$97.2m
Shares outstanding	16m

Shareholding pattern (%)	Sept'18	Jun'18	Mar'18
Promoters	41.5	41.3	41.3
- of which, Pledged	6.1	4.6	4.6
Free float	58.5	58.7	58.7
- Foreign institutions	3.9	5.8	6.3
- Domestic institutions	0.1	0.1	0.8
- Public	54.5	52.8	51.6

Estimates revision (%)	FY19e	FY20e
Sales	0.2	(1.5)
EBITDA	(7.1)	(7.7)
EPS	(8.4)	(8.1)





Anand Rathi Shares and Stock Brokers Limited (hereinafter "ARSSBL") is a full service brokerage and equities research firm and the views expressed therein are solely of ARSSBL and not of the companies which have been covered in the Research Report. This report is intended for the sole use of the Recipient. Disclosures and analyst certifications are present in Appendix.

# **Quick Glance – Financials and Valuations**

Fig 1 – Income staten	nent (₹ m	)			
Year-end: Mar	FY16	FY17	FY18	FY19e	FY20e
Net revenues	10,049	9,606	10,123	11,224	11,998
Growth (%)	-1.6	-4.4	5.4	10.9	6.9
Direct costs	5,716	4,955	4,939	5,837	6,240
SG&A	3,380	3,479	3,682	3,801	3,956
EBITDA	952	1,172	1,502	1,586	1,802
EBITDA margins (%)	9.5	12.2	14.8	14.1	15.0
- Depreciation	363	341	348	390	442
Other income	27	57	46	110	52
Interest expenses	213	196	183	179	128
PBT	404	692	1,016	1,127	1,283
Effective tax rate (%)	39.5	38.2	34.5	34.0	34.0
+ Associates / (Minorities)					
Net income	244	428	665	744	847
Adjusted income	244	428	665	744	847
WANS	16	16	16	16	16
FDEPS (₹/ sh)	15.3	26.9	41.8	46.7	53.2
Adj. FDEPS growth (%)	15.1	75.1	55.5	11.8	13.8
Gross margin (%)	43.1	48.4	51.2	48.0	48.0

Fig 3 – Cash-flow statem	•		-	-	
Year-end: Mar	FY16	FY17	FY18	FY19e	FY20e
PBT	404	692	1,016	1,127	1,283
+ Non-cash items	363	341	348	390	442
Oper. prof. before WC	767	1,033	1,365	1,517	1,725
- Incr. / (decr.) in WC	221	-636	435	199	181
Others incl. taxes	195	273	360	383	436
Operating cash-flow	351	1,396	570	935	1,108
- Capex (tang. + intang.)	219	744	869	350	250
Free cash-flow	131	651	-299	585	858
Acquisitions					
- Div.(incl. buyback & taxes)	96	115	134	134	134
+ Equity raised	-	-	-	-	-
+ Debt raised	336	-1,065	280	-600	-600
- Fin investments	-45	-101	-	-	-
- Misc. (CFI + CFF)	-52	-60	1	0	0
Net cash-flow	469	-367	-154	-149	124
Source: Company, Anand Rathi Rese	earch				

Fig 2 – Balance shee	. ,				
Year-end: Mar	FY16	FY17	FY18	FY19e	FY20e
Share capital	159	159	159	159	159
Net worth	3,552	3,926	4,457	5,067	5,779
Debt	3,196	2,131	2,411	1,811	1,211
Minority interest					
DTL / (Assets)	193	184	174	174	174
Capital employed	6,941	6,241	7,042	7,052	7,165
Net tangible assets	2,940	3,257	3,208	3,739	3,546
Net intangible assets	1	12	8	8	8
Goodwill	-	-	-	-	-
CWIP (tang. &intang.)	41	117	690	120	120
Investments (strategic)	100.9	-	-	-	-
Investments (financial)	-	-	-	-	-
Current assets (ex cash)	4,277	3,835	4,710	4,797	5,161
Cash	750	383	229	80	203
Current liabilities	1,168	1,363	1,803	1,691	1,874
Working capital	3,108	2,472	2,907	3,106	3,287
Capital deployed	6,941	6,241	7,042	7,052	7,165
Contingent liabilities	310	302	42	-	-

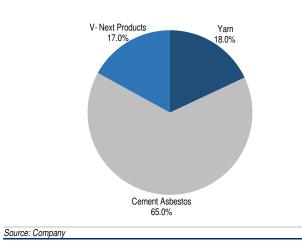
### Fig 4 – Ratio analysis

Year-end: Mar	FY16	FY17	FY18	FY19e	FY20e
P/E (x)	6.9	10.1	10.9	9.7	8.5
EV / EBITDA (x)	4.2	5.2	6.3	5.6	4.6
EV / sales (x)	0.4	0.6	0.9	0.8	0.7
P/B (x)	0.5	1.1	1.6	1.4	1.3
RoE (%)	7.1	11.4	15.9	15.6	15.6
RoCE (%) - after tax	5.3	7.8	11.4	11.2	12.6
Fixed asset T/O (x)	2.3	2.9	2.7	2.6	2.4
DPS (₹ / sh)	5.0	6.0	7.0	7.0	7.0
Dividend yield (%)	4.7	2.2	1.5	1.5	1.5
Dividend payout (%) - incl. DDT	39.1	26.9	20.2	18.0	15.8
Net debt / equity (x)	0.7	0.4	0.5	0.3	0.2
Receivables (days)	51	57	54	52	54
Inventory (days)	84	74	87	84	85
Payables (days)	42	51	64	54	56
CFO:PAT %	143.6	326.2	85.6	125.6	130.8
Source: Company, Anand Rathi Resea	rch				

## Fig 5 – Price movement



### Fig 6 – Segment-wise revenue break-up (FY18)



## **Company update**

#### **Building Products**

The BP division manufactures asbestos-cement products and fibre-cement flat products (V-boards and V-panels), and accounted for  $\sim 82\%$  of the company's revenue. The company has a strong distribution network of 6,000 retailers in rural and se mi-urban areas.

In Q2 FY19, revenue of the BP division was up  $\sim 13\%$  y/y, where AC sheet volumes grew 9.4% y/y on account of strong demand. The EBIT margin was down 421bps y/y to 12.3%, hit by rising diesel and pulp prices and the depreciating rupee.

#### **Asbestos Cement Sheets**

With installed capacity of 802,000 tpa, Visaka is the second-largest cementasbestos-product manufacturer in India, enjoying close to an 18% market share. In ACS, it operates at  $\sim$ 88% capacity.

Management expects AC sheet revenue and volumes to grow in double digits in FY19. Further, on the commencement of production of ATUM, an integrated solar-roofing system (a hybrid product), management expects strong revenue and a high RoCE, boosted by a high asset-turnover ratio. At full utilisation, management expects ATUM to generate ~₹650m-700m revenue. It talked about a 5-6% price hike in AC sheets by Jan'19 in order to pass on the mounting costs.

#### **Boards and Panels**

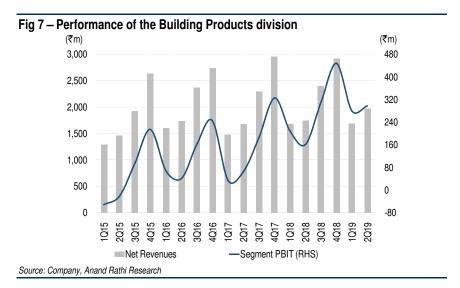
With a wide variety of applications, a perfect substitute for plywood and gypsum boards, the government's focus on affordable housing, a lower tax rate under the GST and the consistent rise in capacity utilisation, management expects significant growth in its V-Next division.

Mounting pulp prices, which constitute 44% of the raw material cost for boards, is a matter of deep concern. To pass on rising pulp prices to end-consumers, in the last 12 months management hiked prices by up to 10%.

With ~130,000tpa now, the boards division operates at ~95% capacity. Its revenue during FY18 grew 9% y/y. Management expects the FY19 margin to be restricted to ~7% (5.1% the previous year).

#### **Capacity expansion**

Visaka is expanding its boards capacity in the North, by 50,000 tons at ~₹1bn capex, expected to commence by end-Nov'18. For FY19, management expects ₹150m revenue from the Jhajjar plant. V Next capacities are running at 95%; management said it would be 75% on the Jhajjar plant commissioning. The expanded capacity would result in rationalised freight cost in northern and eastern markets. We believe the company will continue to outpace the industry over FY18-20, bolstered by growth in its boards and asbestos-cement-sheet volumes.



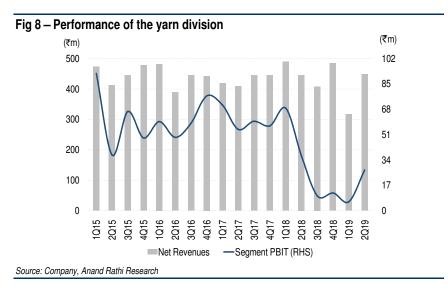
#### **Textiles**

Visaka manufactures niche, value-added cotton touch air-jet spun polyester yarns and its products have some of the highest margins in the synthetic yarn industry. The textiles division brought~18% to revenue.

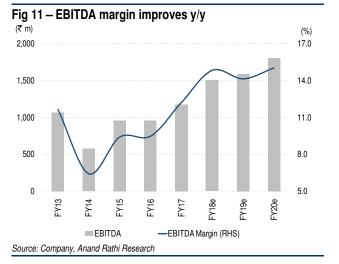
The company has 2,752 spinning positions at its yarn division. Its textile products are exported to Germany, Egypt, Italy, Taiwan, the USA, Syria, South Africa, Peru, Turkey and the UK.

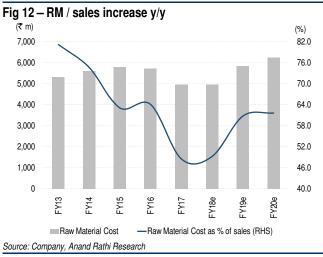
In Q2 FY19, the synthetic-yarn division's revenue increased a robust 88% y/y to ₹597m. Its EBIT margin on a low base shot up 1,058bps y/y to 12.5%.

De-monetization and the GST implementation slammed the yarn division, resulting in its PBIT margin declining to 4.7% in FY18 (9.6% a year earlier). However, management sees growth returning and expects the yarn business to clock double-digit volume growth (on the sizable inventory to address demand growth) and~12-13% EBITDA margins in coming quarters. We expect the yarn division revenue to register a 10.5% CAGR over FY18-20.



(₹ m)	Q2 FY19	Q1 FY19	Q4 FY18	Q3FY18	Q2FY18	FY18	FY19e	FY20
Sales	2,510	3,457	2,596	2,418	2,011	10,123	11,224	11,99
EBITDA	318	532	357	344	333	1,502	1,586	1,80
EBITDA margins (%)	12.7	15.4	13.8	14.2	16.6	14.8	14.1	15
Interest	44	52	54	49	40	183	179	12
Depreciation	85	86	85	87	86	348	390	44
Other income	20	69	10	10	10	46	110	5
PBT	209	463	228	219	217	1,016	1,127	1,28
Tax	70	160	76	76	76	351	383	43
Adj. PAT	139	303	152	143	141	665	744	84
Source: Company, Anand R. Fig 10 – Segment-V								
			Q4 FY18	Q3 FY18	Q2 FY18	FY18	FY19e	FY2
Fig 10 – Segment-v	wise resu	ılts	Q4 FY18	Q3 FY18	Q2 FY18	FY18	FY19e	FY2
Fig 10 – Segment-\ (₹ m)	wise resu	ılts	<b>Q4 FY18</b> 2,144	<b>Q3 FY18</b> 1,970	<b>Q2 FY18</b> 1,694	<b>FY18</b> 8,420	<b>FY19e</b> 9,316	
Fig 10 – Segment-\ (₹ m) Net revenue	Vise resu Q2 FY19	I <b>Its</b> Q1 FY19						9,91
Fig 10 – Segment-v (* m) Net revenue Building products	<b>vise resu</b> Q2 FY19 1,913	<b>Ilts</b> Q1 FY19 2,956	2,144	1,970	1,694	8,420	9,316	9,91
Fig 10 – Segment-v (₹ m) Net revenue Building products Synthetic blended yarn	<b>vise resu</b> Q2 FY19 1,913	<b>Ilts</b> Q1 FY19 2,956	2,144	1,970	1,694	8,420	9,316	9,91 2,08
Fig 10 – Segment-v (₹ m) Net revenue Building products Synthetic blended yarn Segment-wise PBIT	<b>vise resl</b> Q2 FY19 1,913 597	<b>Ilts</b> Q1 FY19 2,956 501	2,144 452	1,970 449	1,694 317	8,420 1,703	9,316 1,908	9,91 2,08 1,43
Fig 10 – Segment-v (* m) Net revenue Building products Synthetic blended yarn Segment-wise PBIT Building products	<b>vise rest</b> <b>Q2 FY19</b> 1,913 597 235	<b>Ilts</b> <u>Q1 FY19</u> 2,956 501 507	2,144 452 329	1,970 449 298	1,694 317 280	8,420 1,703 1,354	9,316 1,908 1,351	9,91 2,08 1,43
Fig 10 – Segment-v (* m) Net revenue Building products Synthetic blended yarn Segment-wise PBIT Building products Synthetic blended yarn	<b>vise rest</b> <b>Q2 FY19</b> 1,913 597 235	<b>Ilts</b> <u>Q1 FY19</u> 2,956 501 507	2,144 452 329	1,970 449 298	1,694 317 280	8,420 1,703 1,354	9,316 1,908 1,351	9,91 2,08 1,43 20
Fig 10 – Segment-v (₹ m) Net revenue Building products Synthetic blended yarn Segment-wise PBIT Building products Synthetic blended yarn PBIT margins (%)	<b>vise resu</b> <u>Q2 FY19</u> 1,913 597 235 75	<b>Ilts</b> <u>Q1 FY19</u> 2,956 501 507 44	2,144 452 329 35	1,970 449 298 27	1,694 317 280 6	8,420 1,703 1,354 80	9,316 1,908 1,351 191	<b>FY20</b> 9,91 2,08 1,43 20 14.





#### **Change in estimates**

To factor in the demand growth expected in the economy and the company's H1 FY19 performance besides the rising input costs and delayed Jhajjar plant commissioning, we lower our FY20e revenue 1.5% and our FY19e and FY20e EBITDA respectively 7.1% and 7.7%. We reduce our FY19e and FY20e PAT respectively 8.4% and 8.1%.

	Old		New		Change (%	6)
	FY19e	FY20e	FY19e	FY20e	FY19e	FY20e
Sales (₹ m)	11,207	12,181	11,224	11,998	0.2	(1.5)
EBITDA (₹ m)	1,708	1,953	1,586	1,802	(7.1)	(7.7)
PAT (₹ m)	812	921	744	847	(8.4)	(8.1)

## Key Takeaways and Concall highlights

#### **Financial and Operational highlights**

- During Q2 FY19, the AC sheet, board and yarn divisions brought respectively 65%, 17% and 18% to overall revenue.
- ACS, board and yarn volumes grew respectively 9.4%, 22% and 71% y/y during Q2 FY19.
- V Next untilisation is running at 95%; management said it would be 75% after the Jhajjar plant commissioning.
- EBITDA margins for ACS, boards and yarn came at respectively 15%, 7% and 14%.
- On account of the rupee depreciation, rising diesel costs and pulp prices, management hike prices 3% in the V Next division, and 1% for AC sheets.
- The company spent ₹30m towards advertising expense. Management said it would be ~₹100m-120m in FY19.
- Working capital days reduced from 103 to 81.

### **Debt and Capex**

- Debt on 30<sup>th</sup> Sep'18 was ₹2.16bn. Management said debt of ₹600m would be repaid in FY19.
- Management expects to spend ₹250m-300m on capex in FY19

### ATUM

- With 30MW capacity, management expects ATUM to generate ₹650m-700m at full utilisation.
- ATUM is aimed at commercial consumers (large warehouses, godowns, factories, etc.).
- The ATUM plant commenced in Sep'18.
- Management expects ATUM to generate a good RoCE on account of a high asset-turnover ratio

#### Outlook

- It expects synthetic yarn revenue to grow in double digits and margins in FY19 to come at 12-13%.
- It expects AC sheet, board and synthetic yarn volumes to grow in double digits in FY19.
- For V Next, management said 20% volume growth would be sustainable and improve further on the commissioning of the Jhajjar plant
- It expects the Jhajjar plant to contribute ₹150m in FY19.
- Management talked about a ~5-6% price hike on AC sheets by Jan'19 in order to pass on rising input costs.
- It expects working capital to be constant.
- It expects the Jhajjar plant to commence by end-Nov'18.

## Valuation

We believe that the expansion in board capacities, operating-cost rationalisation, the yarn division's expanding margins and the expected price hikes would help the company counter the rising input costs and rupee depreciation. We expect the operating margin in the next two years to come at ~15%. Further, we expect asbestos volumes to rise, driven by revival in demand and various positives for the industry, including a lower tax rate and a rise in steel prices.

We maintain a Buy rating and lower our multiple to 12x FY20e EPS in accord with the overall sector reduction in valuation. At the ruling price, the stock trades at PE of 8.5x FY20e.



### **Risks**

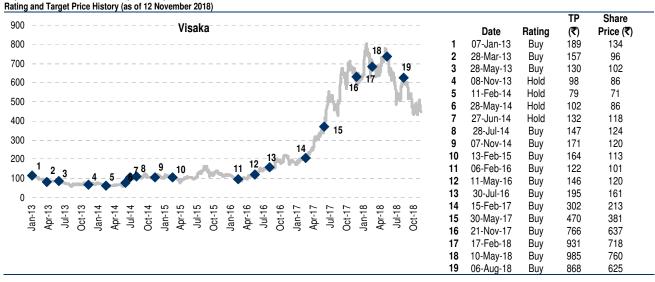
- Rise in input costs.
- Demand slowdown.

#### Appendix

#### Analyst Certification

The views expressed in this Research Report accurately reflect the personal views of the analyst(s) about the subject securities or issuers and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations or views expressed by the research analyst(s) in this report. The research analysts are bound by stringent internal regulations and also legal and statutory requirements of the Securities and Exchange Board of India (hereinafter "SEBI") and the analysts' compensation are completely delinked from all the other companies and/or entities of Anand Rathi, and have no bearing whatsoever on any recommendation that they have given in the Research Report.

## Important Disclosures on subject companies



#### Anand Rathi Ratings Definitions

Analysts' ratings and the corresponding expected returns take into account our definitions of Large Caps (>US\$1bn) and Mid/Small Caps (<US\$1bn) as described in the Ratings Table below:

Ratings Guide (12 months)				
	Buy	Hold	Sell	
Large Caps (>US\$1bn)	>15%	5-15%	<5%	
Mid/Small Caps ( <us\$1bn)< td=""><td>&gt;25%</td><td>5-25%</td><td>&lt;5%</td><td></td></us\$1bn)<>	>25%	5-25%	<5%	

#### Research Disclaimer and Disclosure inter-alia as required under Securities and Exchange Board of India (Research Analysts) Regulations, 2014

Anand Rathi Share and Stock Brokers Ltd. (hereinafter refer as ARSSBL) (Research Entity) is a subsidiary of Anand Rathi Financial Services Ltd. ARSSBL is a corporate trading and clearing member of Bombay Stock Exchange Ltd, National Stock Exchange of India Ltd. (NSEL), Multi Stock Exchange of India Ltd (MCX-SX) and also depository participant with National Securities Depository Ltd (NSDL) and Central Depository Services Ltd. ARSSBL is engaged in the business of Stock Broking, Depository Participant and Mutual Fund distributor.

The research analysts, strategists, or research associates principally responsible for the preparation of Anand Rathi research have received compensation based upon various factors, including quality of research, investor client feedback, stock picking, competitive factors and firm revenues.

General Disclaimer: This Research Report (hereinafter called "Report") is meant solely for use by the recipient and is not for circulation. This Report does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. The recommendations, if any, made herein are expression of views and/or opinions and should not be deemed or construed to be neither advice for the purpose of purchase or sale of any security, derivatives or any other security through ARSSBL nor any solicitation or offering of any investment /trading opportunity on behalf of the issuer(s) of the respective security (ies) referred to herein. These information / opinions / views are not meant to serve as a professional investment guide for the readers. No action is solicited based upon the information provided herein. Recipients of this Report should rely on information/data arising out of their own investigations. Readers are advised to seek independent professional advice and arrive at an informed trading/investment decision before executing any trades or making any investments. This Report has been prepared on the basis of publicly available information, internally developed data and other sources believed by ARSSBL to be reliable. ARSSBL or its directors, employees, affiliates or representatives do not assume any responsibility for, or warrant the accuracy, completeness, adequacy and reliability of such information / opinions / views. While due care has been taken to ensure that the disclosures and opinions given are fair and reasonable, none of the directors, employees, affiliates or representatives of ARSSBL shall be liable for any direct, indirect, special, incidental, consequential, punitive or exemplary damages, including lost profits arising in any way whatsoever from the information / opinions / views contained in this Report. The price and value of the investment referred to in this Report and the income from them may go down as well as up, and i

Opinions expressed are our current opinions as of the date appearing on this Research only. We do not undertake to advise you as to any change of our views expressed in this Report. Research Report may differ between ARSSBL's RAs and/ or ARSSBL's associate companies on account of differences in research methodology, personal judgment and difference in time horizons for which recommendations are made. User should keep this risk in mind and not hold ARSSBL, its employees and associates responsible for any losses, damages of any type whatsoever.

ARSSBL and its associates or employees may; (a) from time to time, have long or short positions in, and buy or sell the investments in/ security of company (ies) mentioned herein or (b) be engaged in any other transaction involving such investments/ securities of company (ies) discussed herein or act as advisor or lender / borrower to such company (ies) these and other activities of ARSSBL and its associates or employees may not be construed as potential conflict of interest with respect to any recommendation and related information and opinions. Without limiting any of the foregoing, in no event shall ARSSBL and its associates or employees or any third party involved in, or related to computing or compiling the information have any liability for any damages of any kind.

Details of Associates of ARSSBL and Brief History of Disciplinary action by regulatory authorities & its associates are available on our website i.e. www.rathionline.com

Disclaimers in respect of jurisdiction: This report is not directed to, 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 or regulation or which would subject ARSSBL to any registration or licensing requirement within such jurisdiction(s). No action has been or will be taken by ARSSBL in any jurisdiction (other than India), where any action for such purpose(s) is required. Accordingly, this Report shall not be possessed, circulated and/or distributed in any such country or jurisdiction unless such action is in compliance with all applicable laws and regulations of such country or jurisdiction. ARSSBL requires such recipient to inform himself about and to observe any restrictions at his own expense, without any liability to ARSSBL. Any dispute arising out of this Report shall be subject to the exclusive jurisdiction of the Courts in India.

Statements on ownership and material conflicts of interest, compensation - ARSSBL and Associates

#### Answers to the Best of the knowledge and belief of ARSSBL/ its Associates/ Research Analyst who is preparing this report

ARSSBL/its Associates/ Research Analyst/ his Relative have actual/beneficial ownership of one per cent or more securities of the subject company, at the end of the month immediately preceding the date of publication of the research report?	No
ARSSBL/its Associates/ Research Analyst/ his Relative have actual/beneficial ownership of one per cent or more securities of the subject company	No
ARSSBL/its Associates/ Research Analyst/ his Relative have any other material conflict of interest at the time of publication of the research report?	No
ARSSBL/its Associates/ Research Analyst/ his Relative have received any compensation from the subject company in the past twelve months	No
ARSSBL/its Associates/ Research Analyst/ his Relative have managed or co-managed public offering of securities for the subject company in the past twelve months	No
ARSSBL/its Associates/ Research Analyst/ his Relative have received any compensation for investment banking or merchant banking or brokerage services from the subject company in the past twelve months	No
ARSSBL/its Associates/ Research Analyst/ his Relative have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past twelve months	No
ARSSBL/its Associates/ Research Analyst/ his Relative have received any compensation or other benefits from the subject company or third party in connection with the research report	No
ARSSBL/its Associates/ Research Analyst/ his Relative have served as an officer, director or employee of the subject company.	No

#### Other Disclosures pertaining to distribution of research in the United States of America

This research report is a product of ARSSBL, which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by ARSSBL only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, ARSSBL has entered into an agreement with a U.S. registered broker-dealer, Cabrera Capital Markets. ("Cabrera"). Transactions in securities discussed in this research report should be effected through Cabrera or another U.S. registered broker dealer.

1. ARSSBL or its Affiliates may or may not have been beneficial owners of the securities mentioned in this report.

2. ARSSBL or its affiliates may have or not managed or co-managed a public offering of the securities mentioned in the report in the past 12 months.

3. ARSSBL or its affiliates may have or not received compensation for investment banking services from the issuer of these securities in the past 12 months and do not expect to receive compensation for investment banking services from the issuer of these securities within the next three months.

4. However, one or more of ARSSBL or its Affiliates may, from time to time, have a long or short position in any of the securities mentioned herein and may buy or sell those securities or options thereon, either on their own account or on behalf of their clients.

5. As of the publication of this report, ARSSBL does not make a market in the subject securities.

6. ARSSBL or its Affiliates may or may not, to the extent permitted by law, act upon or use the above material or the conclusions stated above, or the research or analysis on which they are based before the material is published to recipients and from time to time, provide investment banking, investment management or other services for or solicit to seek to obtain investment banking, or other securities business from, any entity referred to in this report.

© 2018. This report is strictly confidential and is being furnished to you solely for your information. All material presented in this report, unless specifically indicated otherwise, is under copyright to ARSSBL. None of the material, its content, or any copy of such material or content, may be altered in any way, transmitted, copied or reproduced (in whole or in part) or redistributed in any form to any other party, without the prior express written permission of ARSSBL. All trademarks, service marks and logos used in this report are trademarks or service marks or registered trademarks or service marks of ARSSBL or its affiliates, unless specifically mentioned otherwise.

Additional information on recommended securities/instruments is available on request.

ARSSBL registered address: 4th Floor, Silver Metropolis, Jaicoach Compound, Opposite Bimbisar Nagar, Goregaon (East), Mumbai - 400 063. Tel No: +91 22 4001 3700 | Fax No: +91 22 4001 3770 | CIN: U67120MH1991PLC064106.