ANANDRATHI

10 August 2020

JK Lakshmi Cement

Expansion continues on hold; maintaining a Buy

The lockdown hit JK Lakshmi's Q1 performance. Its revenue/ EBITDA/PAT fell 21%/15.6%/36%. Management's focus on delevering continues; it is keeping on hold its expansion in the North. The East and West continue to suffer from cities being locked down; pockets in the North are also locked down. The migrant labour issue resolution, firm prices, rising institutional demand, fixed-cost savings and the 10MW WHRS at Sirohi will help its performance. We retain our Buy call, with a ₹370 target (₹325 earlier).

Lockdown curtailed volumes. The high Covid-impacted West and frequent local lockdowns in the East pushed cement volumes down 18% y/y. Higher clinker sales, weak prices in the East and lower RMC revenue led realisation/ton to dip 3.3% y/y. Management expects FY21 volumes to be flat y/y (subject to the underlying risk of frequent lockdowns) and prices to be firm though with seasonal dips. We expect volumes to decline 3.7% in FY21 and grow 5.3% in FY22.

EBITDA/ton higher on cost optimisation. Several cost-optimisation measures, low-cost petcoke inventory and ₹200m saved in BCG expenses (from a year ago) led to EBITDA/ton growing 3.3% y/y to ₹752 (₹729 a year ago, ₹820 the quarter prior). EBITDA declined 16% y/y to ₹1.4bn. Higher clinker sales and the exposure to the East will keep the EBITDA/ton lower than its Northern peers. Management said its 10MW WHRS at Sirohi would commence by Q2 FY22, saving ₹200m a year. We expect EBITDA/ton of ₹631 and ₹715 in FY21 and FY22, respectively.

Outlook, Valuation. Management is still keeping its proposed 2.5m-ton capacity expansion in the North on hold. The ramping-up of its Cuttack GU suffered from the lockdown. Gross debt (standalone) was ₹15bn. Against ₹1.2bn debt, the company availed of the moratorium, and talked about repaying ₹2bn debt each in FY21 and FY22. We retain our Buy recommendation, with a target of ₹370, on 7x FY22e EV/EBITDA. **Risks:** Extension of the lockdown; rise in fuel prices.

FY18	FY19	FY20	FY21e	FY22e
34,122	38,823	40,435	39,834	43,053
840	796	2,655	1,878	2,879
7.1	6.8	22.6	16.0	24.5
64.9	51.4	8.7	17.9	11.7
17.3	13.1	5.2	7.6	5.5
87.1	66.8	39.5	48.2	42.0
5.9	5.3	14.5	10.4	14.1
5.3	5.3	10.2	7.7	10.4
0.2	0.2	1.3	0.2	0.2
1.1	0.9	0.7	0.5	0.1
	34,122 840 7.1 64.9 17.3 87.1 5.9 5.3 0.2	34,122 38,823 840 796 7.1 6.8 64.9 51.4 17.3 13.1 87.1 66.8 5.9 5.3 5.3 5.3 0.2 0.2	34,122 38,823 40,435 840 796 2,655 7.1 6.8 22.6 64.9 51.4 8.7 17.3 13.1 5.2 87.1 66.8 39.5 5.9 5.3 14.5 5.3 5.3 10.2 0.2 0.2 1.3	34,122 38,823 40,435 39,834 840 796 2,655 1,878 7.1 6.8 22.6 16.0 64.9 51.4 8.7 17.9 17.3 13.1 5.2 7.6 87.1 66.8 39.5 48.2 5.9 5.3 14.5 10.4 5.3 5.3 10.2 7.7 0.2 0.2 1.3 0.2

India | Equities

Cement Company Update

Change in Estimates ☑ Target ☑ Reco □

Rating: **Buy** Target Price: ₹370 Share Price: ₹286

Key data		JKLC IN / JKLC BO				
52-week high / low		₹389 / 180				
Sensex / Nifty 38041 / 112						
3-m average volume		\$1.7m				
Market cap ₹34bn / \$449.9						
Shares outstanding 11						
Shareholding pattern (%)	Jun'20	Mar'20	Dec'19			
Promoters	46.2	46.2	45.9			
- of which, Pledged	-	-	-			
Free float	53.8	53.8	54.1			
- Foreign institutions	10.4	10.6	10.5			
- Domestic institutions	20.0	19.0	18.7			
- Public	23.4	24.2	24.8			
Estimates revision (%)		FY21e	FY22e			
Sales		4	-2			

37

169

8

21



EBITDA

PAT

Manish Valecha Research Analyst Vibha Jain

Research Associate

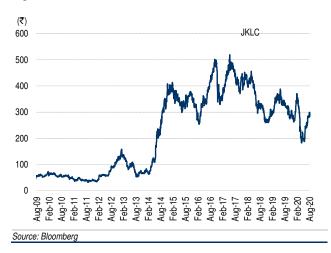
Anand Rathi Share and Stock Brokers Limited (hereinafter "ARSSBL") is a full-service brokerage and equities-research firm and the views expressed therein are solely of ARSSBL and not of the companies which have been covered in the Research Report. This report is intended for the sole use of the Recipient.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

Quick Glance – Financials and Valuations

Fig 1 – Income staten	nent (₹ m	I)			
Year-end: Mar	FY18	FY19	FY20	FY21e	FY22e
Sales volume (m tons)	8.5	9.7	9.2	8.9	9.4
Net revenues	34,122	38,823	40,435	39,834	43,053
Growth (%)	17.2	13.8	4.2	-1.5	8.1
Direct costs	24,468	26,908	25,128	25,497	27,230
SG&A	5,540	7,765	8,584	8,732	9,136
EBITDA	4,114	4,150	6,724	5,605	6,687
EBITDA margins (%)	12.1	10.7	16.6	14.1	15.5
- Depreciation	1,793	1,794	1,884	2,005	2,047
Other income	681	572	501	478	474
Interest expenses	1,975	1,883	1,644	1,395	1,001
PBT	1,027	1,044	3,697	2,683	4,112
Effective tax rate (%)	18	24	31	30	30
+ Associates / (Minorities)					
Net income	840	796	2,352	1,878	2,879
Adjusted income	840	796	2,655	1,878	2,879
WANS	118	118	118	118	118
FDEPS (₹ / sh)	7.1	6.8	22.6	16.0	24.5
FDEPS growth (%)	2.4	-5.2	233.7	-29.3	53.3

Year-end: Mar	FY18	FY19	FY20	FY21e	FY22e
PBT	1,027	1,044	3,697	2,683	4,112
+ Non-cash items	1,793	1,794	1,884	2,005	2,047
Oper. prof. before WC	2,820	2,838	5,580	4,687	6,159
- Incr. / (decr.) in WC	-588	-2,657	1,132	-57	-1,329
Others incl. taxes	291	272	612	805	1,234
Operating cash-flow	3,116	5,223	3,837	3,940	6,255
- Capex (tang. + intang.)	1,695	2,079	939	900	750
Free cash-flow	1,421	3,144	2,897	3,040	5,505
Acquisitions					
- Div. (incl. buyback & taxes)	106	106	355	59	59
+ Equity raised	-	-	-	-	-
+ Debt raised	-1,412	-3,727	-1,358	-2,800	-5,500
- Fin investments	-151	-745	645	-	-
- Misc. (CFI + CFF)	28	-8	405	-	-
Net cash-flow	26	64	134	181	-54

Fig 5 – Price movement



Year-end: Mar	FY18	FY19	FY20	FY21e	FY22e
Share capital	589	589	589	589	589
Net worth	14,532	15,227	17,127	18,946	21,766
Debt	21,172	17,446	16,087	13,287	7,787
Minority interest					
DTL / (Assets)	-200	-220	205	205	205
Capital employed	35,505	32,452	33,419	32,438	29,758
Net tangible assets	27,912	26,334	27,994	28,258	27,012
Net intangible assets	17	51	38	38	38
Goodwill	-	-	-	-	-
CWIP (tang. & intang.)	2,281	4,111	1,519	150	100
Investments (strategic)	3,539	3,573	3,673	3,673	3,673
Investments (financial)	4,409	3,629	4,174	4,174	4,174
Curr. assets (ex cash)	6,415	6,456	7,786	7,887	9,139
Cash	116	180	314	495	441
Current liabilities	9,184	11,882	12,080	12,238	14,819
Working capital	-2,769	-5,426	-4,294	-4,351	-5,680
Capital deployed	35,505	32,452	33,419	32,438	29,758
Contingent liabilities	515	1,533	-	-	-

Fig 4 – Ratio analysis

Year-end: Mar	FY18	FY19	FY20	FY21e	FY22e
P/E (x)	64.9	51.4	8.7	17.9	11.7
EV / EBITDA (x)	17.3	13.1	5.2	7.6	5.5
EV / Sales (x)	2.1	1.4	0.9	1.1	0.9
P/B (x)	3.7	2.7	1.3	1.8	1.5
RoE (%)	5.9	5.3	14.5	10.4	14.1
RoCE (%) - after tax	5.3	5.3	10.2	7.7	10.4
DPS (₹ / sh)	0.8	0.8	2.5	0.5	0.5
Dividend payout (%) - incl. DDT	12.7	13.4	15.1	3.1	2.0
Net debt / equity (x)	1.1	0.9	0.7	0.5	0.1
Working capital (days)	-29.6	-51.0	-38.8	-39.9	-42.9
EV / ton (\$)	87.1	66.8	39.5	48.2	42.0
NSR / ton (₹)	4,005	4,020	4,382	4,482	4,602
EBITDA / ton (₹)	483	430	729	631	715
Volumes	8.52	9.66	9.23	8.89	9.36
CFO: PAT %	371.2	656.5	144.5	209.8	217.3
Source: Company, Anand Rathi Resea	rch				

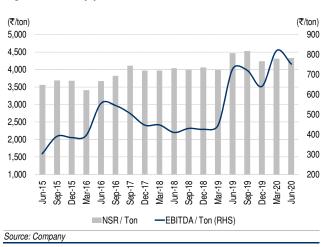
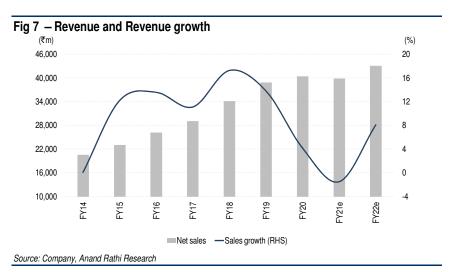


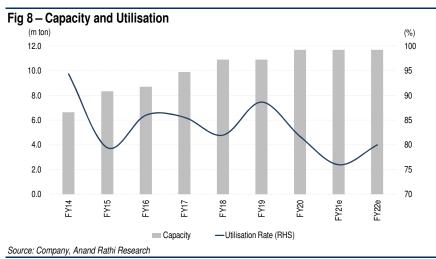
Fig 6 – Quarterly per-ton NSR and EBITDA trends

Other key highlights

Revenue growth

JK Lakshmi's Q1 revenue declined 21% y/y to ₹8.3bn on the lockdown-hit realisations dipping 3.1% y/y to ₹4,331/ton, and volumes 18% y/y to 1.91m tons. Its RMC revenue declined to ₹120m, vs, ₹400m-450m generally. Prices in July declined across regions on the monsoon commencing and demand has been impacted by the frequent local lockdowns in the East. However, management expects volumes in FY21 to be similar to those in FY20.

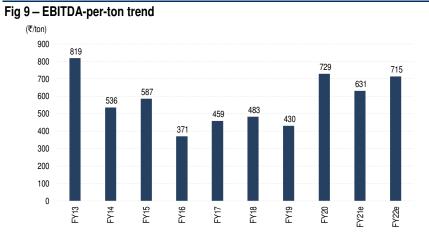




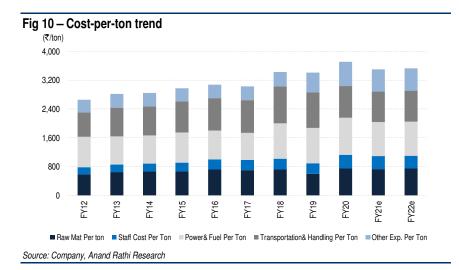
Operating performance

Absolute EBITDA slid 16% y/y to ₹1.4bn. EBITDA/ton, though, grew 3.3% y/y to ₹752 due to the 42% lower power & fuel cost/ton (low-cost petcoke inventory) and 46%/5% per-ton lower y/y raw material/freight costs. Other expenses declined 42% y/y (on an absolute basis) on various cost-optimisation measures and low travelling/advertising expenses. Also other expenses do not include ₹200m a year ago of BCG expenses.

Adj. profit declined 36% y/y to ₹444m on falling operating profit and 7% y/y higher depreciation cost, partially offset by 6% y/y lower interest expense and 33.3% y/y higher other income.







Result Highlights

Fig 11 – Quarterly	trend												
(₹ m)	Q3 FY18	Q4 FY18	Q1 FY19	Q2 FY19	Q3 FY19	Q4 FY19	Q1 FY20	Q2 FY20	Q3 FY20	Q4 FY20	Q1 FY21	% Y/Y	% Q/Q
Sales	8374	8970	9234	8514	9350	11725	10419	9355	10050	10612	8252	(20.8)	(22.2)
EBITDA	943	1013	939	916	983	1312	1698	1487	1519	2020	1433	(15.6)	(29.1)
EBITDA margins (%)	11.3	11.3	10.2	10.8	10.5	11.2	16.3	15.9	15.1	19.0	17.4	107bps	-167bps
EBITDA per ton (₹)	447	448	410	431	426	446	729	720	641	820	752	3.3	(8.2)
Interest	514	480	451	493	474	460	402	390	428	425	378	(5.9)	(11.0)
Depreciation	448	459	446	452	451	446	453	437	485	510	484	6.9	(5.0)
Other income	146	264	110	150	139	168	61	68	147	225	82	33.3	(63.7)
PBT	127	338	152	121	198	574	603	727	754	1,311	653	8.4	(50.2)
Tax	41	(1)	14	43	50	142	209	268	262	303	209	0.0	(31.2)
Adj. PAT	86	338	137	78	148	432	696	459	492	1,007	444	(36.2)	(55.9)
Source: Company, Anand I	Rathi Resear	ch											

Fig 12 – Per-ton ana	lysis												
(₹)	Q3 FY18	Q4 FY18	Q1 FY19	Q2 FY19	Q3 FY19	Q4 FY19	Q1 FY20	Q2 FY20	Q3 FY20	Q4 FY20	Q1 FY21	%Y/Y	%Q/Q
Realisations	3,969	3,969	4,038	4,003	4,056	3,989	4,472	4,534	4,240	4,305	4,331	(3.1)	0.6
EBITDA	447	448	410	431	426	446	729	720	641	820	752	3.3	(8.2)
Sales volumes (m tons)	2.1	2.3	2.3	2.1	2.3	2.9	2.3	2.1	2.4	2.5	1.9	(18.2)	(22.7)
Costs													
Raw material	699	707	689	742	726	716	726	972	701	774	392	(45.9)	(49.3)
Purchase of traded goods	251	249	176	181	180	190	297	432	410	403	224	(24.4)	(44.3)
Power & Fuel	971	971	940	1,059	969	980	958	1,198	1,004	995	558	(41.8)	(43.9)
Staff	261	268	276	309	284	260	343	425	374	377	343	(0.1)	(9.0)
Freight	1,025	1,052	1,074	950	996	939	914	893	870	868	870	(4.8)	0.2
Other expenditure	385	366	372	368	424	562	669	564	626	658	383	(42.8)	(41.9)
Source: Company, Anand Rath	ni Research												

Concall Highlights

Operational and Financial highlights

- Q1 FY21 cement sale volumes (incl. clinker) declined 18.2% y/y to 1.91m tons (0.3m tons of clinker). Cement and clinker production for the quarter were respectively 1.43m tons and 0.92m tons. (Consolidated sales volumes were 2.07m tons.) RMC revenue for Q1 FY21 was ₹120m vs ₹400m-450m generally.
- Of ₹8.3bn revenue, ₹290m came from RMC/POP/AAC blocks/solar power, etc. As there was no pent-up demand for such items, the impact of the lockdown was greater.
- Petcoke cost/ton was ₹6,768 (₹7,800 a year ago, ₹7,000 the quarter prior).
- Other expenses declined on various cost-optimisation measures: low travelling and advertising expenses, and without the ₹200m incurred a year ago on the BCG.
- Interest cost declined 6% on reduced debt. Further, the company availed of the moratorium on ₹1.2bn debt, resulting in reduced liability of ₹650m.
- The difference in trade-nontrade prices in Q1 FY21 was ₹30 in the East and ₹70-80 in the North. Trade sales were 61% (59% a year ago). Blended cement sales volumes were 78%.
- The cost of debt is 8.3%; the return on investment, 9.75%. ICDs (given) are of ₹400m, due to mature in Aug'20.

Debt and Capex

- The present circumstances have compelled management to keep on hold its proposed 2.5m-ton cement expansion in the North.
- Standalone gross debt on 30th Jun'20 was ₹15bn; consolidated net debt was ₹20.5bn. Management talked of debt repayment of ₹2bn each in FY21 and FY22. The cash balance was ₹7bn (₹4.5bn at the end of the previous quarter).

Outlook

- The West (Gujarat) was more severely affected by the greater number of Covid-19 cases and spread. Odisha and Chattisgarh were affected by heavy rainfall. The East region, too, has been hit by frequent local lockdowns. There is also the possibility of an increase in cases in rural areas, which could keep demand contracted. Management expects its FY21 cement sales volumes to be flat y/y.
- Government incentives to Udaipur Cement's will be exhausted in FY22. Its Jul'20 capacity utilisation was the same as a year ago. Management does not expect any major change in prices except for seasonal dips.

Valuations

Its operations in the high-realisation Northern market and raming up of Odisha GU would aid JK Lakshmi's volumes and realisations. Lower prices in Chhattisgarh, however (~57% of sales in the East), and subdued demand in Gujarat/Maharashtra would be concerns. The strategy to focus on de-levering before expanding capacity, in the current economic environment, would help. Further, its constant efforts to rationalise logistical costs, its greater petcoke consumption and proposed 10MW WHRS at Sirohi would boost its operating performance.

The stock quotes at 5.5x FY22e EV/EBITDA. We retain our Buy rating, with a higher target price of ₹370, on 7x FY22e EV/EBITDA, reflecting an EV/ton of \$53.

Change in estimates

We have broadly maintained our revenue estimates. We have raised our FY21e EBITDA and PAT 37% and 169%, respectively, and 8% and 21% for FY22.

	New		Old		Variance		
	FY21e	FY22e	FY21e	FY22e	% Change	% Change	
Sales (₹ m)	39,834	43,053	38,339	43,809	4	-2	
EBITDA (₹ m)	5,605	6,687	4,091	6,181	37	8	
PAT (₹ m)	1,878	2,879	699	2,371	169	21	



	СМР	CMP P/E			DA	EV / ton (\$)		
	(₹)	FY21e	FY22e	FY21e	FY22e	FY21e	FY22e	
JK Lakshmi	286	17.9	11.7	7.6	5.5	48	42	
Birla Corp.	653	16.6	13.0	8.1	7.0	64	53	
Dalmia Bharat	769	NA	NA	8.1	7.2	99	88	
Deccan Cement	246	11.5	7.5	5.2	3.3	19	16	
Heidelberg Cement	183	18.8	13.7	9.1	7.0	83	77	
India Cement	117	NA	30.4	12.9	9.4	58	59	
JK Cement	1,600	33.3	21.2	15.7	11.4	124	119	
Mangalam Cement	202	14.6	8.2	7.0	5.0	38	35	
NCL Indus	91	11.1	7.8	5.4	4.5	31	31	
Orient Cement	71	25.3	12.7	7.5	5.7	41	38	
Prism Johnson	46	NA	28.1	10.7	7.7	51	49	
Ramco Cement	688	38.6	25.4	21.3	14.9	126	121	
Sanghi Industries	25	NA	14.0	11.9	7.7	42	41	

Risk

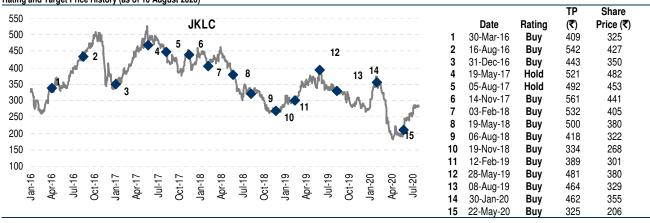
- Extension of the lockdown
- Rising prices of pet-coke and diesel.

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 Rating and Target Price History (as of 10 August 2020)



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>>25%</td><td>5-25%</td><td><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. (NSEIL), 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 to 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 investments referred to in this Report and the income from them may go down as well as up, and

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

Research analyst or research entity or his associate or his relative has any financial interest in the subject company and the nature of such financial interest	No
ARSSBL/its Associates/ Research Analyst/ his Relative have actual/beneficial ownership of one per cent or more securities of the subject company, at the e of the month immediately preceding the date of publication of the research report?	
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 twelv months	e 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 merchar banking or brokerage services from the subject company in the past twelve months	t No
ARSSBL/its Associates/ Research Analyst/ his Relative have received any compensation or other benefits from the subject company or third party in connect with the research report	tion 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.

© 2019. 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 service marks or service marks or service.

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

ARSSBL registered address: Express Zone, A Wing, 9th Floor, Western Express Highway, Diagonally Opposite Oberoi Mall, Malad (E), Mumbai – 400097. Tel No: +91 22 6281 7000 | Fax No: +91 22 4001 3770 | CIN: U67120MH1991PLC064106.