Balkrishna Industries Limited

Aiming for 10% Global Market Share in Off-Highway Tyres

Balkrishna Industries Limited (BKT) is one of the world's leading manufacturers of Off-Highway Tyres (OHT). BKT has the widest product range with more than 3,200 Stock Keeping Units (SKUs) and acts like a "One Stop Shop" for all the OHT solutions. The Company has a global market of ~6% in the OHT segment, with ~69% of revenue coming from replacement demand. To standardize its raw material quality, the Company did a backward integration for manufacturing a critical raw material called 'Carbon Black'. BKT is in the midst of expanding its current capacity to boost future sales and modernize & automate its older plants to improve its efficiency. We initiate coverage on Balkrishna Industries Limited with a BUY rating and a target price of Rs. 2,499 (30x FY24e Earnings)

Improving brand visibility

BKT has established a robust brand identity through various marketing efforts across different regions. Over the years, the Company has spent ~3-4% of its revenue on advertising and promotional activities. BKT has consistently promoted global sporting events. BKT is the official and exclusive tyre manufacturer for 'MONSTER JAM', a premier sporting event in America. Additionally, to increase market share in the domestic market, the Company has employed a similar sports-oriented marketing strategy

Expecting rubber prices to normalize

In Q2 FY23, rubber prices traded in a range of ~Rs. 155-160 per KG. It is expected that rubber prices will soften due to excess supply in the international market, which will lead to the normalization of gross margins of BKT around ~53-55%. In Q2 FY23 gross margins were ~50%.

Cost competitiveness acting as a moat for BKT

BKT's manufacturing base in India provides a significant cost advantage over its international peers, as employee costs are ~6-7% of its revenue, whereas for Michelin, its ~26-28% of revenue. This cost advantage acts as an economic moat for the company, allowing it to maintain higher profit margins than its competitors despite selling its products at a ~10-15% discount. This is demonstrated by the company's ability to achieve an EBITDA margin greater than 20%, while MNC players like Michelin, Titan, Yokohama, and Trelleborg are unable to achieve the same level of profitability

Expansion for fuelling future growth

The Company is spending Rs. 14.5Bn for expanding its tyre manufacturing capacity, Carbon Black (critical raw material) capacity, and modernizing & automating its older plants. This will fuel future growth of the company. It is expected that within next year, all plants will be commercialized.

View & Valuation

We initiate coverage on Balkrishna Industries Limited with a BUY rating and a target of Rs. 2,499(30x FY24e EPS). BKT's majority of revenue comes from replacement demand. With an increase in focus on larger radial tyres (higher margin product) and Off-The-Road Tyre market (shorter replacement cycle), we believe that BKT is bound to do well and able to reach its 10% market share mark in OHT industry.

20th Jan 2023

BUY

CMP Rs. 2,223 TARGET Rs. 2,499 (+12.4%)

Company Data

MCAP (Rs. Mn)	429,727
O/S Shares (Mn)	193
52w High/Low	2,482 / 1,682
Face Value (in Rs.)	2
Liquidity (3M) (Rs. Mn)	660

Shareholding Pattern %

	Sep	Jun	Mar
	22	22	22
Promoters	58.30	58.29	58.29
FIIs	12.96	14.30	14.05
DIIs	18.81	11.17	11.78
Non-	9.94	16.24	15.87
Institutional			

BKT vs Nifty



Source: Company, Keynote Capitals Ltd.

Key Financial Data

<u> </u>			
(Rs Bn)	FY22	FY23E	FY24E
Revenue	83	100	103
EBITDA	20	17	24
Net Profit	14	13	16
Total Assets	110	122	132
ROCE (%)	19%	13%	15%
ROE (%)	22%	18%	20%

Source: Company, Keynote Capitals Ltd.

Chirag Maroo, Research Analyst Chirag@keynotecapitals.net

Industry Overview

The global tyre industry is worth \$180Bn, of which the OHT segment commands a 10% share (\$18Bn). Within OHT, 63% are Off-The-Road (OTR) tyres (such as construction and mining equipment tyres), 33% are Agricultural tyres (such as tractor & harvester tyres), and rest are others (such as all-terrain motorcycle tyres). As per Market Research Future, the OHT industry is expected to grow at ~5% CAGR till 2030.



Source: Company, Industry Data, Keynote Capitals Estimates

Process of Manufacturing Tyres

Tyres are typically manufactured using a combination of several processes, including mixing, extrusion, tyre building, curing, and finishing.

1) Mixing: The first step in the manufacturing process is to mix the raw materials, such as rubber, carbon black, and other chemicals, to create the tire compound.



Source: Company, Keynote Capitals Ltd.

2) Extrusion: The tire compound is then extruded, or forced through a die, to create the basic shape of the tire, known as the green tire.

3) Tyre building: The green tire is then mounted onto a building drum, where it is shaped and reinforced with steel or fabric to give it strength and durability.

4) Curing: The tire is then cured in a press under heat and pressure to harden the rubber and give it its final shape.

5) Finishing: The final step in the manufacturing process is to inspect, finish and package the tire, before shipping it to customers.

KEYNOTE



Source: Industry, Keynote Capitals

Industry Dynamics

OHT are highly technical and capital-intensive segment, also known as "large varieties and low volume" segment. Credible players are required to maintain a large number of SKUs to meet the diverse needs of customers globally and provide pre-and post-sales customer support services. These aspects create high entry barriers for a new player to enter the market. These are the significant factor that explains the absence of a dominant Chinese player in the industry.

The global OHT industry has witnessed multiple Mergers and Acquisitions (M&A) due to the inability of companies to compete with low-cost producers. Currently, a few tyre manufacturers like Michelin, Bridgestone, Pirelli, Yokohama, and others dominate the industry. These players have been acquiring regional players to increase their penetration in the market as well as boost their presence in this segment. A few recent acquisitions include Yokohama Rubber Company acquired Alliance Tyre Group for \$1.2Bn in 2016, and Michelin acquired Casmo for \$1.36Bn in 2018.

Dandelion (an alternative to rubber)

In conjunction with The Fraunhofer Institute for Molecular Biology and Applied Ecology, Julius Kuehn-Institute, and EKUSA, a company named Continental Tire has produced and tested the first tyre where tread is made 100% out of dandelion rubber as a polymer. Continental Tire is focusing on a specific species known as Russian Dandelions. This crop is less sensitive to weather. The growth cycle of Russian Dandelions is approximately one year compared to seven years for rubber tree. It plans to begin manufacturing tires by 2025.

Continental Tire is focusing on a process to extract rubber from Russian Dandelion's roots. The use of dandelion rubber in tyres will be a sustainable and environmentally friendly alternative to traditional rubber

Company Background

Balkrishna Industries Limited (BKT) commenced its business as a 2/3wheeler tyre manufacturer. In 1995, Management decided to shift their focus to specialized tyres (OHT) business. This acted like a pivotal point for the company. Currently, BKT is one of the world's leading manufacturers of OHT tyres with 6% global market share with sales and distribution reach across 160 countries.

Point of difference	2/3 Wheeler Tyre	ОНТ
Entry Barriers in Industry	Low	High
EBITDA Margin	~8-12%	~23-27%
Competition	High	Comparatively Low

Source: Company, Industry, Keynote Capitals Ltd.

Journey of BKT



Business Model

BKT's primary product line includes specialty tyres, commonly referred to as OHT. In 2016, the Company made the strategic decision to integrate backward and begin producing a vital raw material known as 'Carbon Black'. This not only alleviated the issues of scarcity that existed in the market at that time and ensured the standardization of raw materials available to the company but also resulted in cost savings in terms of transportation and power.

Primarily Carbon Black is utilised captively and balance is sold in open market

Steam generated in manufacturing carbon black is re-used in manufacturing tyres



Customers

BKT has a wide range of customers across various industries, including agriculture, construction, mining, and earthmoving. They are also a supplier for Original Equipment Manufacturers (OEMs) in the off-highway vehicle industry. Some of the major customers of BKT are John Deere, Caterpillar, Case New Holland, JCB, and Kubota.



Product Portfolio

BKT has the widest product range with 3,200 SKUs which are used across agricultural, OTR and other segments. BKT has a product portfolio from 29 to 57 inches tyres. BKT aims to launch 63-inch tyre by next year.

Although there is minimal variation in pricing between agricultural and offthe-road tires, the replacement demand for agricultural tyres is significantly higher with an average interval of 4 years in contrast to the shorter 1-2year replacement cycle for off-the-road tyres.

BKT is increasing its focus on OTR tyres. This change in strategy is aimed at reducing the volatility in revenue and creating a more consistent demand for BKT's products.

In order to improve its EBITDA margin, BKT is increasing its focus towards large radial tyres, which has ~1-3% higher EBITDA margin. Recently, the Company has started a 5,000 MT manufacturing unit in Bhuj for manufacturing ultra-large radial tyres.

63-inches tyre is the largest tyre in the industry. Currently, it is the only OHT tyre which BKT doesn't manufacture

KEYNOTE

Agricultural Tyre

Compact Utility Tract

Source: Company, Keynote Capitals Ltd.

OTR Tyre





ad Haul Dump (LHD)

Source: Company, Keynote Capitals Ltd.



Tracto























KEYNOTE

Plant Location

BKT's manufacturing plants are state-of-the-art facilities equipped with the latest technology and machinery. In addition to this, BKT also has a research and development facility in India where they work on developing new products and testing & improving existing ones.

Europe, America, Australasia, and India are the primary markets for BKT



	Current Achievable Capacity				
Location	Tyre (MT)	Carbon Black (MT)			
Waluj, Maharashtra	30,000				
Bhuj, Gujarat	1,90,000	1,15,000			
Bhiwadi & Chopanki, Rajasthan	1,15,000				
Total	3,35,000	1,15,000			

Source: Company, Keynote Capitals Ltd.

Source: Company, Keynote Capitals Ltd.

Capacity Utilization

Over the years, the Company has emphasized on improving its capacity utilization. In the last 4 years, BKT grew its volume at a CAGR of ~9.7%, while the OHT industry experienced a lean period. As a result of sweating assets better, BKT has improved its capacity utilization and has also gained market share.



Achievable Capacity (MT) & Capacity

Volume Sold (MT)



Expansion Plans

Expansion at Waluj, Maharashtra: The Company will spend Rs. 3.5Bn for an additional capacity of 25,000 MT and modernize its old plant. The plant is expected to ramp up its production in H2 FY23.

Carbon Black & Captive Power Plant: Considering the overall demand/supply outlook as well as internal demand for Carbon Black, the Company has embarked to enhance the installed achievable capacity of 1,15,000 MT to 2,00,000 MT, including 30,000 MT of high-value advanced Carbon Black material. The Company will spend Rs. 6.5Bn for the additional capacity. The plant is expected to commission in Q4 FY23

Modernization, Automation, and Technology Upgradation: Installation of the latest machineries, replacement of certain machineries, upgradation of certain systems, and some portion of civil work at Gujarat & Rajasthan plant for quality and efficiency improvement; the Company will spend Rs. 4.5Bn. It is expected to be completed by H1 FY24

Market Share

The global OHT industry is valued at \$18Bn (Rs. 1,440Bn). Within the OHT industry, 63% is attributed to off-the-road tyres, 33% to agricultural tyres, and 4% to other segments. BKT holds a market share of approximately 6% in the global OHT industry.



Market Share (%) in each sub-category of OHT industry

Source: Company, Keynote Capitals Ltd. estimates

Revenue Segmentation

Geography-wise: Historically, a large portion of BKT's sales volume has originated from Europe. However, the Company is now shifting its focus to America and India in order to diversify its customer base and reduce reliance on the European market.

Channel-wise: Almost 70% of BKT's sales volume comes from replacement demand. This has enabled the Company to increase its market share during periods of stagnant growth within the industry.

Segment-wise: A large portion of BKT's sales volume has been generated from agricultural tyres, which have a replacement cycle of 4 years. However, the company is now focusing on expanding its market share in the OTR tyre market, which is ~63% of OHT industry and has a shorter replacement cycle of 1-2 years.





KEYNOT



Segment-wise Volume Mix(%) [FY22]

Unit Economics

Though BKT is gradually improving its Gross Profit per KG, EBITDA per KG has seen a substantial dip in H1 FY23. The primary cause for this is an increase in freight and transportation expenses. However, it is anticipated that with the decrease in rubber prices and freight expenses, the company will be able to maintain an EBITDA of Rs. 70 per KG post-FY23.

Per KG Analysis	FY18	FY19	FY20	FY21	FY22	H1 FY23
Volume Sold (MT)	1,99,213	2,11,261	2,01,760	2,27,131	2,88,795	1,62,025
Net Sales	223	247	238	255	287	326
COGS	108	116	106	102	131	160
Gross Profit	115	131	132	153	156	166
GP M%	52%	53%	56%	60%	54%	51%
Employee Cost	14	14	16	16	15	14
Other Expense	47	56	60	58	72	98
EBITDA	55	62	57	80	70	54
EBITDA M%	25%	25%	24%	31%	24%	17%
PAT	37	37	48	52	50	43
PAT M%	17%	15%	20%	20%	17%	13%

Source: Company, Keynote Capitals Ltd.

Peer Comparison with Global MNC (Michelin)

BKT's pricing strategy is influenced by major industry players. The Company offers a ~10-15% price discount, which results in higher raw material costs as a % of its revenue. However, BKT's entire manufacturing operations are based in India, which gives it a significant cost advantage over its international competitors. BKT's employee costs is ~6-7% of its revenue, whereas, for Michelin, it's around 26-28%.



Significantly low employee cost is the primary reason for higher EBITDA Margins

Source: Company, Michelin, Keynote Capitals Ltd.

KEYNOTE

Currently, Mr. Yogesh Mahansaria runs

his own company (Mahansaria Tyres)

Peer Comparison with Indian Manufacturer (ATC Tires Pvt. Ltd.)

- Incorporated in 2007, ATC Tires Pvt. Ltd. (ATPL) is a part of Alliance Tire Group (ATG).
- ATG was sold to Yokohama in 2016.
- ATPL was run by the former CEO of BKT, Mr. Yogesh Mahansaria (who was ATPL's CEO till 2017)
- ATPL has 2 plants in India: Gujarat and Dahej

On all parameters, BKT is facing fierce competition from ATPL. From FY17-21, BKT grew its revenue at a CAGR of ~11%, whereas ATPL grew it at ~19%. Both Companies have similar EBITDA margin profiles. Due to capital intensive nature of business, both the companies have a stable asset turnover of ~0.8-1x

and D/E of less than 0.5, but the ROE% of ATPL is better than BKT. BKT





ATPL





D/E



11

Board of Directors & Top-Level Management Team

BKT is run by a combination of the Poddar family, who founded the company, and professional management. The Poddar family provides a strong sense of continuity and direction to the company, while professional management ensures that the company is run efficiently and effectively. The leadership team is composed of experienced individuals who have been with the company for an extended period of time. This long-standing relationship enables them to have a deep understanding of the company and its operations which in turn helps BKT to stay competitive and achieve its goals.

Name	Position Held at BKT	Years with BKT	Total Relevant Experience	Qualification
Arvind Poddar	Chairman & Managing Director	32+ Years	32+ Years	
Rajiv Poddar	Joint Managing Director	15+ years	13+ Years	Bachelors in Business Administration (BBA) from Kingston University
Vipul Shah	Whole Time Director & Company Secretary	27+ Years	-	-
Madhusudan Bajaj	President (Commercial) & CFO	20+ Years	35+ Years	СА
Rajeev Kumar	Head- Agricultural Sales	7+ Years	14+ Years	B.A. in Economics & Diploma in Sales & Marketing Management
Narendra Kumar	President Operations	11+ Years	34+ Years	B. Tech (Mechanical) from NIT, Calicut and Senior Management Programme from IIM-A

Source: Company, LinkedIn, Keynote Capitals Ltd.

Top Shareholders (%)

Particulars	March-20	March-21	March-22	Sept-22
Life Insurance Corporation of India	-	1.2%	3.9%	3.9%
HDFC Mutual Fund	5.7%	4.2%	3.1%	2.7%
Kotak Mutual Fund	1.8%	2.4%	2.3%	2.5%
Government Pension Fund Global	1.6%	1.6%	1.9%	1.6%
Mirae Asset Mutual Fund	1.9%	1.4%	1.6%	1.6%
HDFC Life Insurance	1.7%	1.5%	1.5%	1.4%
DSP Mutual Fund	1.8%	1.9%	1.1%	1.1%
Amansa Holdings Pvt. Ltd.	2.0%	-	-	-

g Coverage Report KEYNOTÉ

Opportunities

Improving Brand Visibility

BKT has established a robust brand identity through various marketing efforts across different regions. Over the years, the Company has spent ~3-4% of its revenue on advertising and promotional activities. BKT has consistently promoted global sporting events. BKT is the official and exclusive tyre manufacturer for 'MONSTER JAM', a premier sporting event in America. Additionally, to increase market share in the domestic market, the Company has employed a similar sports-oriented marketing strategy.





KEYNOTE

Expecting Rubber Prices To Normalize

In Q2 FY23, rubber prices traded in a range of ~Rs. 155-160 per KG. It is expected that rubber prices will soften due to excess supply in the international market, which will lead to the normalization of gross margins of BKT around ~53-55%. In Q2 FY23 gross margins ~50%.

"Rubber prices had risen very high after the pandemic subsided, and are now seeing a correction", said K N Raghavan, Executive Director of Rubber Board



FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14 FY15 FY16 FY17 FY18 FY19 FY20 FY21 FY22 Q2 FY23

Source: Rubber Board, Management commentary, Keynote Capitals Ltd.

Cost competitiveness acting like a moat for BKT

BKT's manufacturing base in India provides a significant cost advantage over its international peers, as employee costs are ~6-7% of its revenue, whereas for Michelin, its ~26-28% of revenue. This cost advantage acts as an economic moat for the company, allowing it to maintain higher profit margins than its competitors despite selling its products at a ~10-15% discount. This is demonstrated by the company's ability to achieve an EBITDA margin greater than 20%, while MNC players like Michelin, Titan, Yokohama, and Trelleborg are unable to achieve the same level of profitability

Expansion for fuelling future growth

Expansion at Waluj, Maharashtra: The Company will spend Rs. 3.5Bn for an additional capacity of 25,000 MT and modernize its old plant. The plant is expected to ramp up its production in H2 FY23.

Carbon Black & Captive Power Plant: Considering the overall demand/supply outlook as well as internal demand for Carbon Black, the Company has embarked to enhance the installed achievable capacity of 1,15,000 MT to 2,00,000 MT, including 30,000 MT of high-value advanced Carbon Black material. The Company will spend Rs. 6.5Bn for the additional capacity. The plant is expected to commission in Q4 FY23

Modernization, Automation, and Technology Upgradation: Installation of the latest machineries, replacement of certain machineries, upgradation of certain systems, and some portion of civil work at Gujarat & Rajasthan plant for quality and efficiency improvement; the Company will spend Rs. 4.5Bn. It is expected to be completed by H1 FY24

Challenges

Inability to pass on freight cost

From a normalized level of \sim 5-6% of revenue, freight cost has jumped to \sim 14%. BKT is unable to pass on the entire cost to its customers leading to an impact on EBITDA margins. Management is expecting that freight costs will soften in the near future.



Source: Company, Keynote Capitals Ltd.

Headwinds in international markets

As a result of the economic recession in the United States, macroeconomic challenges in Europe, and de-stocking taking place at the distributor level, the management team will not be able to achieve its volume target for FY23 of 320,000-330,000MT. If these headwinds persist, it will also negatively impact volume sales in FY24.

Pricing Policy

Pricing policy is dependent on top-tier players in the industry. The lack of independent pricing policy can have a severe impact BKT's profitability if peers reduces their Average Selling Price. Management had made it clear that they will sell at a discount of ~10-15% price compared to leading industry players.

KEYNOTE

Income Statement					
Y/E Mar, Rs. Mn	FY21	FY22	FY23E	FY24E	FY25E
Net Sales	57,832	82,951	99,959	1,03,189	1,11,647
Growth %		43%	21%	3%	8%
Raw Material Expenses	23,110	37,778	48,980	47,467	50,241
Employee Expenses	3,709	4,301	4,498	5,675	6,141
Other Expenses	12,905	20,783	28,988	25,797	26,795
EBITDA	18,108	20,090	17,493	24,249	28,470
Growth %		11%	-13%	39%	17%
Margin%	31%	24%	18%	24%	26%
Depreciation	4,163	4,554	5,395	6,644	7,242
EBIT	13,945	15,536	12,098	17,605	21,227
Growth %		11%	-22%	46%	21%
Margin%	24%	19%	12%	17%	19%
Interest Paid	118	94	134	134	134
Other Income & exceptional	1,722	4,379	5,250	4,000	4,000
РВТ	15,549	19,822	17,214	21,471	25,093
Тах	3,774	5,468	4,304	5,368	6,273
РАТ	11,775	14,354	12,911	16,103	18,820
Others (Minorities,					
Associates)	0	0	0	0	0
Net Profit	11,775	14,354	12,911	16,103	18,820
Growth %		22%	-10%	25%	17%
Margin%	20%	17%	13%	16%	17%
Shares (Mn)	193.3	193.3	193.3	193.3	193.3
EPS	60.92	74.26	66.78	83.30	97.35

Balance Sheet					
Y/E Mar, Rs. Mn	FY21	FY22	FY23E	FY24E	FY25E
Cash, Cash equivalents &					
Bank	751	517	450	9,987	23,192
Current Investments	3,920	6,845	6,845	6,845	6,845
Debtors	7,536	10,962	11,995	12,383	13,398
Inventory	9,397	16,721	19,592	17,563	17,584
Short Term Loans & Advances	1,726	870	870	870	870
Other Current Assets	1,461	3,027	3,027	3,027	3,027
Total Current Assets	24,791	38,942	42,779	50,675	64,917
Net Block & CWIP	42,258	52,778	61,377	62,988	62,445
Long Term Investments	10,256	12,122	12,122	12,122	12,122
Other Non-current Assets	4,359	5,949	5,949	5,949	5,949
Total Assets	81,665	1,09,790	1,22,226	1,31,733	1,45,431
Creditors	6,550	8,293	10,370	9,087	9,047
Provision	51	45	45	45	45
Short Term Borrowings	9,989	20,270	23,270	23,270	23,270
Other Current Liabilities	2,425	3,749	3,749	3,749	3,749
Total Current Liabilities	19,015	32,356	37,434	36,151	36,111
Long Term Debt	15	5,010	5,010	5,010	5,010
Deferred Tax Liabilities	2,035	2,509	2,509	2,509	2,509
Other Long Term Liabilities	602	584	584	584	584
Total Non Current Liabilities	2,651	8,103	8,103	8,103	8,103
Paid-up Capital	387	387	387	387	387
Reserves & Surplus	59,612	68,944	76,303	87,092	1,00,830
Shareholders' Equity	59,998	69,330	76,689	87,478	1,01,217
Non Controlling Interest	0	0	0	0	0
Total Equity & Liabilities	81,665	1,09,790	1,22,226	1,31,733	1,45,431

Cash Flow					
Y/E Mar, Rs. Mn	FY21	FY22	FY23E	FY24E	FY25E
Pre-tax profit	15,549	19,822	17,214	21,471	25,093
Adjustments	2,602	2,127	279	2,778	3,376
Change in Working Capital	-1,251	-8,289	-1,827	359	-1,077
Total Tax Paid	-3,510	-4,579	-4,304	-5,368	-6,273
Cash flow from operating					
Activities	13,390	9,080	11,362	19,241	21,120
Net Capital Expenditure	-9,232	-15,889	-13,994	-8,255	-6,699
Change in investments	-2,891	-3,516	0	0	0
Other investing activities	388	431	5,250	4,000	4,000
Cash flow from investing					
activities	-11,734	-18,975	-8,744	-4,255	-2,699
Equity raised / (repaid)	0	0	0	0	0
Debt raised / (repaid)	857	15,498	3,000	0	0
Dividend (incl. tax)	-2,316	-5,603	-5,552	-5,314	-5,081
Other financing activities	-122	-91	-134	-134	-134
Cash flow from financing					
activities	-1,581	9,804	-2,686	-5,448	-5,215
Net Change in cash	76	-91	-68	9,537	13,206

Valuation Ratios					
	FY21	FY22	FY23E	FY24E	FY25E
Per Share Data					
EPS	61	74	67	83	97
Growth %		22%	-10%	25%	17%
Book Value Per Share	310	359	397	453	524
Return Ratios					
Return on Assets (%)	16%	15%	11%	13%	14%
Return on Equity (%)	21%	22%	18%	20%	20%
Return on Capital Employed (%)	19%	19%	13%	15%	15%
Turnover Ratios					
Asset Turnover (x)	0.8	0.9	0.9	0.8	0.8
Sales / Gross Block (x)	1.1	1.4	1.4	1.2	1.2
Working Capital / Sales (x)	8%	7%	6%	10%	19%
Receivable Days	42	41	42	43	42
Inventory Days	123	126	135	143	128
Payable Days	72	60	66	78	66
Working Capital Days	93	107	112	108	104
Liquidity Ratios					
Current Ratio (x)	1.3	1.2	1.1	1.4	1.8
Interest Coverage Ratio (x)	133.2	213.0	129.5	161.3	188.3
Total Debt to Equity	0.2	0.4	0.4	0.3	0.3
Net Debt to Equity	0.2	0.4	0.4	0.2	0.1
Valuation					
PE (x)	27.7	28.8	32.8	26.3	22.5
Earnings Yield (%)	4%	3%	3%	4%	4%
Price to Sales (x)	5.6	5.0	4.2	4.1	3.8
Price to Book (x)	5.4	6.0	5.5	4.8	4.2
EV/EBITDA (x)	18.5	21.8	25.6	18.5	15.8
EV/Sales (x)	5.8	5.3	4.5	4.3	4.0

Estimates
FY24E
103,189
16,103
30
483,090
2,499

Source: Keynote Capitals Ltd. estimates

We have assumed Volume growth of ~7%/10% in FY23E/FY24E, with realization growth of ~13%/(6)% in FY23E/FY24E. This will lead to revenue growth of ~21%/3% in FY23E/FY24E. Along with this, BKT has showcased a stable historical EBITDA Margin of ~25%. Based on our assumptions, we arrived at an EPS of 83.3 for FY24E.

Our Recent Reports



MOFSL



Crompton Greaves



KEYNOTE

Varun Beverages

Rating Methodology

Rating	Criteria
BUY	Expected positive return of > 10% over 1-year horizon
NEUTRAL	Expected positive return of > 0% to < 10% over 1-year horizon
REDUCE	Expected return of < 0% to -10% over 1-year horizon
SELL	Expected to fall by >10% over 1-year horizon
NOT RATED (NR)/UNDER REVIEW (UR)/COVERAGE SUSPENDED (CS)	Not covered by Keynote Capitals Ltd./Rating & Fair value under Review/Keynote Capitals Ltd. has suspended coverage

Disclosures and Disclaimers

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

Keynote Capitals Ltd.. (KCL) is a SEBI Registered Research Analyst having registration no. INH000007997. KCL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. Details of associate entities of Keynote Capitals Limited are available on the website at https://www.keynotecapitals.com/associate-entities/

KCL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of KCL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

KCL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that KCL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions.

Details of pending Enquiry Proceedings of KCL are available on the website at https://www.keynotecapitals.com/pending-enquiry-proceedings/

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

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject KCL & its group companies to registration or licensing requirements within such jurisdictions. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction.

Specific Disclosure of Interest statement for subjected Scrip in this document:

Financial Interest of Research Entity [KCL] and its associates; Research Analyst and its Relatives	NO
Any other material conflict of interest at the time of publishing the research report by Research Entity [KCL] and its associates; Research Analyst and its Relatives	NO
Receipt of compensation by KCL or its Associate Companies from the subject company covered for in the last twelve months; Managing/co-managing public offering of securities in the last twelve months; Receipt of compensation towards Investment banking/merchant banking/brokerage services in the last twelve months; Products or services other than those above in connection with research report in the last twelve months; Compensation or other benefits from the subject company or third party in connection with the research report in the last twelve months.	NO
Whether covering analyst has served as an officer, director or employee of the subject company covered	NO
Whether the KCL and its associates has been engaged in market making activity of the Subject Company	NO
Whether the Research Entity [KCL] and its associates; Research Analyst and its Relatives, have actual/beneficial ownership of 1% or more securities of the subject company, at the end of the month immediately preceding the date of publication of the research report or date of the public appearance.	NO

The associates of KCL may have:

- financial interest in the subject company
- -actual/beneficial ownership of 1% or more securities in the subject company
- -received compensation/other benefits from the subject company in the past 12 months

-other potential conflict of interests with respect to any recommendation and other related information and opinions.; however, the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of KCL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

-acted as a manager or co-manager of public offering of securities of the subject company in past 12 months

-be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)

-received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.

The associates of KCL has not received any compensation or other benefits from third party in connection with the research report.

Above disclosures includes beneficial holdings lying in demat account of KCL which are opened for proprietary investments only. While calculating beneficial holdings, it does not consider demat accounts which are opened in name of KCL for other purposes (i.e. holding client securities, collaterals, error trades etc.). KCL also earns DP income from clients which are not considered in above disclosures.

Analyst Certification

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

Terms & Conditions:

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

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative product as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. KCL, its associates, their directors and the employees may from time to time, effect or have affected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. KCL, its associates, their directors and the employees may from time to time invest in any discretionary PMS/AIF Fund and those respective PMS/AIF Funds may affect or have effected any transaction in for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of KCL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject KCL to any registration or licensing requirement within such jurisdiction.

The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt KCL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold KCL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

KEYNO

Keynote Capitals Limited (CIN: U67120MH1995PLC088172)

Compliance Officer: Mr. Jairaj Nair; Tel: 022-68266000; email id: jairaj@keynoteindia.net

Registered Office: 9th Floor, The Ruby, Senapati Bapat Marg, Dadar West, Mumbai – 400028, Maharashtra. Tel: 022 – 68266000.

SEBI Regn. Nos.: BSE / NSE (CASH / F&O / CD): INZ000241530; DP: CDSL- IN-DP-238-2016; Research Analyst: INH000007997

For any complaints email at kcl@keynoteindia.net

General Disclaimer: Client should read the Risk Disclosure Document issued by SEBI & relevant exchanges and the T&C on <u>www.keynotecapitals.com</u>; Investment in securities market are subject to market risks, read all the related documents carefully before investing.