As described in Note 2(o) of our audited IFRS consolidated financial statements included in this annual report on Form 20-F, during Fiscal 2018, we changed our presentation of assets written off/loss on sale of assets and others (net) in the consolidated income statement. The change in presentation was retrospectively applied to prior year comparatives. The change in the presentation does not affect net income, total comprehensive income and earnings per share in any of the periods presented.

As described in Note 2(x) of our audited IFRS consolidated financial statements included in this annual report on Form 20-F, during Fiscal 2017, we changed our presentation of foreign exchange gain/(loss) in the consolidated income statement. The change in presentation was retrospectively applied to prior year comparatives. There was no impact on net income for the years ended March 31, 2016 and 2015.

In Fiscal 2016, the Company conducted a renounceable rights offer of 150,644,759 new Ordinary Shares, including Ordinary Shares represented by ADSs, and 26,530,290 new 'A' Ordinary Shares of Rs.2 each to qualifying shareholders recorded in the shareholders register at the close of business on April 8, 2015, at a subscription price of Rs.450 each for new Ordinary Shares and Rs.271 each for new 'A' Ordinary Shares, in the ratio of six rights to subscribe to Shares for every 109 Shares held. The rights offer was fully subscribed and the shareholders received the new shares on May 13, 2015. As described in Note 39 to our audited consolidated financial statements for Fiscal 2016, the earliest period presented in the consolidated financial statement for Fiscal 2015, basic and diluted earnings per share were retrospectively adjusted for the bonus element of the rights offer attributable to the difference between the exercise price of the rights and the prevailing market price of the Shares.

Since there was a loss in Fiscal 2019, potential equity shares are not considered dilutive and hence diluted earnings per share is same as basic earnings per share.

	As of March 31,					
	2019	2019	2018	2017	2016	2015
	(in US$ millions, except number of shares)	(in Rs. millions, except number of shares)				
Balance sheet data						
Total assets	49,194.8	2,987,119.9	3,235,510.9	2,666,646.0	2,619,981.3	2,345,643.4
Long term debt, net of current portion	10,238.8	708,067.0	611,419.4	605,644.5	504,511.3	544,862.5
Total shareholders' equity	8,069.9	558,067.4	913,521.0	538,842.2	768,036.7	539,351.8
Number of equity shares outstanding						
-Ordinary Shares		2,887,348,694	2,887,348,694	2,887,348,428	2,887,203,602	2,736,713,122
-'A' Ordinary Shares		508,502,371	508,502,371	508,502,291	508,476,704	481,966,945

Exchange Rate Information

For convenience, some of the financial amounts presented in this annual report on Form 20-F have been translated from Indian rupees into U.S. dollars at the rate of Rs.69.16 to US$1.00, based on the rate in the city of Mumbai as published by the Foreign Exchange Dealers' Association of India on March 31, 2019.

B. Capitalization and Indebtedness

Not applicable.

C. Reasons for the Offer and Use of Proceeds

Not applicable.

D. Risk Factors

This section describes the risks that we currently believe may materially affect our business, financial condition and results of operations. The factors below should be considered in connection with any forward-looking statements in this annual report on Form 20-F and the cautionary statements on page iii. Although we will make reasonable efforts to mitigate or minimize these risks, one or more of a combination of these risks could materially and adversely impact our business, revenues, sales, net assets, financial condition, results of operations, liquidity, capital resources and prospects.

Risks Associated with Our Business and the Automotive Industry

The United Kingdom's contemplated exit from the European Union may adversely impact our business, results of operations and financial condition.

In a non-binding referendum on the United Kingdom's membership in the European Union, in June 2016, a majority of the country's electorate voted for the United Kingdom's withdrawal from the European Union. Pursuant to its invocation of Article 50 of the Treaty of Lisbon, the United Kingdom is currently negotiating its exit from the European Union. Substantial uncertainty remains regarding the outcome of the negotiations, the United Kingdom's future relationship with the European Union, the legal structure applicable to companies doing business in the United Kingdom, as well as the scope and duration of a transitionary period, if any, following the expiration of the Article 50 period in December 2020. This uncertainty, along with any real or perceived impact of Brexit, could have a material adverse effect on our business, results of operations and financial condition.

Depending on the outcome of the negotiations, including if the United Kingdom exits the European Union without a formal agreement, the United Kingdom could lose its present rights or terms of access to the European Union single market and European Union customs area and to the global trade deals negotiated by the European Union on behalf of its members. New or modified trade arrangements between the United Kingdom and other countries may have a material adverse effect on our business. A decline in trade could also affect the attractiveness of the United Kingdom as a global investment center and, as a result, could have a detrimental impact on the level of investment in United Kingdom companies, including the extended value chain of Jaguar Land Rover. The uncertainty concerning the terms of Brexit could also have a negative impact on the growth of the United Kingdom economy, which may cause Jaguar Land Rover's customers to re-evaluate when and to what extent they are willing to spend on Jaguar Land Rover's products and services. The uncertainty surrounding Brexit could also result in greater volatility in the British pound against foreign currencies in which Jaguar Land Rover conducts business, particularly the U.S. dollar, the Euro and the Chinese Renminbi.

The Brexit vote and the perceptions as to the impact of the withdrawal of the United Kingdom have created significant uncertainty regarding the future relationship between the United Kingdom and the European Union, including with respect to the laws and regulations that will apply as the United Kingdom determines which European Union-derived laws to replace or replicate. This uncertainty may adversely affect business activity and economic conditions in the United Kingdom and the Eurozone. In particular, changes in taxes, tariffs and other fiscal policies could have a significant impact on Jaguar Land Rover; 22% of its retail sales volume in Fiscal 2019 was to customers based in the European Union (excluding the United Kingdom) and a substantial portion of its suppliers are situated there. We may be subject to risks associated with supply chains if access to the European Union market is restricted as a result of Brexit. Changes to the United Kingdom's border and immigration policy could likewise occur as a result of Brexit, potentially affecting our business's ability to recruit and retain employees from outside the United Kingdom. Any of the foregoing factors and other factors relating to Brexit that we cannot predict may have a material adverse effect on our business, results of operations and financial condition, including the risks of impairments.

If we are unable to effectively implement or manage our growth strategy, our operating results and financial condition could be materially and adversely affected.

As part of our growth strategy, we may open new manufacturing, research or engineering facilities, expand existing facilities, add additional product lines or expand our businesses into new geographical markets. There is a range of risks inherent in such a strategy that could adversely affect our ability to achieve these objectives, including, but not limited to: the potential disruption of our business; the uncertainty that new product lines will generate anticipated sales; the uncertainty that we may not be able to meet or anticipate consumer demand; the uncertainty that a new business will achieve anticipated operating results; the diversion of resources and management's time; our cost reduction efforts, which may not be successful; the difficulty of managing the operations of a larger company; and the difficulty of competing for growth opportunities with companies that have greater financial resources than we have.

More specifically, our international businesses face a range of risks and challenges, including, but not limited to, the following: language barriers, cultural differences, difficulties in staffing and managing overseas operations, inherent difficulties and delays in contract enforcement and the collection of receivables under the legal systems of foreign countries, the risk of non-tariff barriers, regulatory and legal requirements affecting our ability to enter new markets through joint ventures with local entities, difficulties in obtaining regulatory approvals, environmental permits and other similar types of governmental consents, difficulties in negotiating effective contracts, obtaining the necessary facility sites or marketing outlets or securing essential local financing, liquidity, trade financing or cash management facilities, export and import restrictions, multiple tax regimes (including regulations relating to transfer pricing and withholding and other taxes on remittances and other payments from subsidiaries), foreign investment restrictions, foreign exchange controls and restrictions on repatriation of funds, other restrictions on foreign trade or investment sanctions, and the burdens of complying with a wide variety of foreign laws and regulations. Furthermore, as part of our global activities, we may engage with third-party dealers and distributors, whom we do not control, but who could nevertheless take actions that could have a material adverse impact on our reputation and business; we cannot assure you that we will not be held liable for any activities undertaken by such third parties. If we are unable to manage risks related to our expansion and growth in other parts of the world and therefore fail to establish a strong presence in those higher growth markets, our business, results of operations and financial condition could be adversely affected or our investments could be lost.

Furthermore, we are subject to risks associated with growing our business through mergers, acquisitions and divestments. We believe that our acquisitions provide us opportunities to grow significantly in the global automobile markets by offering premium brands and products. Our acquisitions have provided us with access to technology and additional capabilities while also offering potential synergies. However, the scale, scope and nature of the integration required in connection with our acquisitions present significant challenges, and we may be unable to integrate the relevant subsidiaries, divisions and facilities effectively within our expected schedule. An acquisition may not meet our expectations and the realization of the anticipated benefits may be blocked, delayed or reduced as a result of numerous factors, some of which are outside our control.

For example, we acquired the Jaguar Land Rover business from the Ford Motor Company (“Ford”) in June 2008, and since then Jaguar Land Rover has become a significant part of our business, accounting for 74% of our total revenues in Fiscal 2019. As a result of the acquisition, we are responsible for, among other things, the obligations and liabilities associated with the legacy business of Jaguar Land Rover. There can be no assurance that any legacy issues at Jaguar Land Rover or any other acquisition we have undertaken in the past or will undertake in the future will not have a material adverse effect on our business, financial condition and results of operations, as well as our reputation and prospects.

We will continue to evaluate growth opportunities through suitable mergers and acquisitions in the future. Growth through mergers and acquisitions involves business risks, including unforeseen contingent risks or latent business liabilities that may only become apparent after the merger or acquisition is completed. The key success factors are seamless integration, effective management of the merged and/or acquired entity, retention of key personnel, cash flow generation from synergies in engineering and sourcing, joint sales and marketing efforts, and management of a larger business. If any of these factors fail to materialize or if we are unable to manage any of the associated risks successfully, our business, financial condition and results of operations could be materially and adversely affected.

Deterioration in global economic conditions could have a material adverse impact on our sales and results of operations.

The automotive industry could be materially affected by the general economic conditions in India and around the world. The automotive industry, in general, is cyclical, and economic slowdowns in the recent past have affected the manufacturing sector in India, including automotive and related industries. Deterioration of key economic metrics, such as the growth rate, interest rates and inflation, reduced availability of competitive financing rates for vehicles, implementation of burdensome environmental and tax policies and increase in freight rates and fuel prices could materially and adversely affect our automotive sales and results of operations.

In addition, investors’ reactions to economic developments or a loss of investor confidence in the financial systems of other countries may cause volatility in Indian financial markets and, indirectly, in the Indian economy. Any worldwide financial instability, including increased protectionist measures and withdrawal from trade pacts by countries in which we operate, could also have a negative impact on the Indian economy, including the movement of exchange rates and interest rates in India. In the event global economic recovery is slower than expected, or if there is any significant financial disruption, this could have a material adverse effect on our cost of funding, portfolio of financing loans, business, prospects, results of operations, financial condition and the trading price of the Company’s Shares and ADSs.

In November 2018, the United States, Mexico and Canada signed the United States-Mexico-Canada Agreement (“USMCA”), which is intended to succeed the North American Free Trade Agreement (“NAFTA”). USMCA has been signed but not ratified by the legislature of each of the United States, Canada and Mexico. It remains unclear what the U.S., Canadian, or Mexican governments will or will not do with respect to NAFTA, USMCA or other international trade agreements and policies. This uncertainty and potential governmental action related to tariffs or international trade agreements has the potential to adversely impact demand for our products, our costs, customers, suppliers and/or the North American economy or world economy or certain sectors thereof and, thus, our business.

Our Jaguar Land Rover business has significant operations in the United Kingdom, North America, continental Europe and China, as well as sales operations in markets across the globe. Conditions in automotive markets were more challenging in Fiscal 2019, notably in China where industry volumes were down 8.3% year-on-year amid increasing trade tensions with the United States. Industry volumes were also lower in the United Kingdom (-3.7%), including a 25.9% decline in diesel vehicle sales (42% of JLR vehicle sales are diesel), down slightly in the United States (-0.5%), and lower in Europe (-3.8%). Conditions remained challenging in other markets, with only modest growth in industry volumes. Jaguar Land Rover’s growth plans may not materialize as expected, which could have a significant adverse impact on our financial performance. If automotive demand softens because of lower or negative economic growth in key markets or due to other factors, Jaguar Land Rover’s operations and financial condition could be materially and adversely affected as a result. In addition, the current U.S. presidential administration could seek to introduce changes to laws and policies governing international trade and impose additional tariffs and duties on foreign vehicle imports, which could have a material adverse effect on Jaguar Land Rover’s sales in the United States.

Deterioration in key economic factors, such as those mentioned above, in countries where Jaguar Land Rover has sales operations may result in a decrease in demand for Jaguar Land Rover automobiles. A decrease in demand could, in turn, cause automobile prices and manufacturing capacity utilization rates to fall. Such circumstances have in the past materially affected, and could in the future materially affect, our business, results of operations and financial condition.

A significant reliance on key markets by both TML and Jaguar Land Rover increases the risk of a negative impact from reduced customer demand in those countries.

We rely on certain key markets, including the United Kingdom, China, North America, India and continental Europe, from which we derive the substantial majority of our revenues. A decline in demand for our vehicles in these major markets may, in the future, significantly impair our business, financial position and results of operations. For example, the recent adverse public perception towards diesel powered vehicles, resulting from emissions scandals and tax increases on diesel vehicles, has precipitated a sharp fall in diesel sales, primarily in the United Kingdom and Europe, and created uncertainty for customers that could further impact our sales of diesel vehicles in the future. Additionally, in China, the economy is experiencing a tempering of industry growth and increased pricing pressures due to macroeconomic volatility, regulatory and policy changes, softening consumer demand and increasing competition. Softening of the Chinese economy would likely impact our growth opportunities in China, an important market for us. In addition, our strategy, which includes new product launches and expansion into growing markets, may not be sufficient to mitigate a decrease in demand for our products in mature markets in the future, which could have a significant adverse impact on our financial performance.

Changes in our credit rating could adversely affect the value of our debt securities, finance costs and our ability to obtain future financing.

Any credit ratings assigned to us or our debt securities may not reflect the potential impact of all risks related to structural, market, additional risk factors discussed and other factors that may affect the value of our debt securities. Credit rating agencies continually review the ratings they have assigned and their ratings may be subject to revision, suspension or withdrawal by the rating agency at any time. A downgrade in our credit rating may negatively affect our ability to obtain future financing to fund our operations and capital needs, which may affect our liquidity. It may also increase our financing costs by increasing the interest rates of our outstanding debt or the interest rates at which we are able to refinance existing debt or incur additional debt. A credit rating is not a recommendation to buy, sell or hold securities.

We are exposed to liquidity risks.

Our main sources of liquidity are cash generated from operations, existing notes, external debt in the form of factoring discount facilities and other revolving credit facilities. However, adverse changes in the global economic and financial environment may result in lower consumer demand for our vehicles, and prevailing conditions in credit markets may adversely affect both consumer demand and the cost and availability of finance for our business and operations. If the global economy goes back into a recession and consumer demand for our vehicles drops, as a result of higher oil prices, excessive public debt or for any other reasons, and the supply of external financing becomes limited, we may face significant liquidity risks. See Item 5.B “Operating and Financial Review and Prospects—Liquidity and Capital Resources—Principal Sources of Funding Liquidity—Loan Covenants.”

We are also subject to various types of restrictions or impediments on the ability of our companies in certain countries to transfer cash across our companies through loans or dividends. These restrictions or impediments are caused by exchange controls, withholding taxes on dividends and distributions and other similar restrictions in the markets in which we operate. We may face significant liquidity risks due to squeezed credit lines for non-banking financial companies (“NBFCs”) following the Infrastructure Leasing & Financial Services Limited crisis in 2018 and its impact on the Indian lending sector.

The electric vehicle market may not evolve as anticipated.

Sales of electric vehicles are hard to predict because consumer demand may fail to shift in favor of electric vehicles, and this market segment may remain small relative to the overall market for years to come. Consumers may remain or become reluctant to adopt electric vehicles due to the lack of fully developed charging infrastructure, long charging times or increased costs of purchase and fueling. Jaguar Land Rover launched the all-electric Jaguar I-PACE in Fiscal 2019, and retail sales of this model totaled 11,336 vehicles in the twelve months up to March 31, 2019. If the value proposition of electric vehicles fails to fully materialize, this could have a material adverse effect on our financial condition or results of operations, including compliance with the Corporate Average Fuel Economy (“CAFE”) standards.

Impairment of tangible and intangible assets may have a material adverse effect on our results of operations.

Designing, manufacturing and selling vehicles is capital intensive and requires substantial investments in tangible and intangible assets such as research and development, product design and engineering technology. We review the value of our tangible and intangible assets to assess on an annual basis or trigger events basis whether the carrying amount is less than the recoverable amount for the asset concerned based on underlying cash-generating units (“CGU”) (such as Commercial Vehicles, Passenger Vehicles, Jaguar Land Rover and Vehicle Financing), either based on Value in Use (“VIU”) or fair value. We recorded a GBP3.1 billion (Rs.278,379 million) impairment charge during Fiscal 2019 due to adverse market conditions, particularly in China, rising interest rates and the failure to meet internal business plans for our Jaguar Land Rover business. While we have put in place comprehensive plans to turn the business around, we may have to take further impairment losses in the future if the carrying amount of tangible and intangible assets exceeds the recoverable amount, which could have a material adverse effect on our financial condition and the results of operations.

Deterioration in the performance of any of our subsidiaries, joint ventures or affiliates could materially and adversely affect our results of operations.

We have made and may continue to make capital commitments to our subsidiaries, joint ventures and affiliates. If the business or operations of any of these subsidiaries, joint ventures and affiliates deteriorate, the value of our investments may decline substantially. We are also subject to risks associated with joint ventures and affiliates wherein we retain only partial or joint control. Our partners may be unable, or unwilling, to fulfill their obligations, or the strategies of our joint ventures or affiliates may not be implemented successfully, any of which may significantly reduce the value of our investments or cause our relationship with the co-owner to deteriorate, which could, have a material adverse effect on our reputation, business, financial position or results of operations.

We have pursued and may continue to pursue significant investments in certain strategic development projects with third parties. In particular, we have entered into a joint venture with Chery Automobile Company Ltd. ("Chery") in China to develop, manufacture and sell certain Jaguar Land Rover vehicles and at least one own-branded vehicle in China (the "China Joint Venture"). Additionally, in March 2018, Jaguar Land Rover announced its strategic partnership with Waymo LLC ("Waymo") to develop the world's first premium self-driving electric vehicle. Joint ventures and strategic partnership projects, like our joint venture in China and partnership with Waymo, may be developed pursuant to agreements over which we only have partial or joint control. Investments in projects over which we have partial or joint control are subject to the risk that the other shareholders of the joint venture, who may have different business or investment strategies than we do or with whom we may have a disagreement or dispute, may have the ability to block business, financial or management decisions, such as the decision to distribute dividends or appoint members of management, which may be crucial to the success of the project or our investment in the project, or otherwise implement initiatives that may be contrary to our interests. Moreover, our partners may be unable, or unwilling, to fulfill their obligations under the relevant joint venture agreements and shareholder agreements or may experience financial or other difficulties that may adversely impact our investment in a particular joint venture or strategic partnership projects.

Operating a business as a joint venture often requires additional organizational formalities, as well as time consuming procedures for sharing information and making decisions. In joint ventures, we are required to foster our relationships with our co-owners as well as promote the overall success of the joint venture. If there is a significant change in these relationships (for example, if a co-owner changes or relationships deteriorate), our success in the joint venture may be materially adversely affected.

Intensifying competition could materially and adversely affect our sales, financial condition and results of operations.

The global automotive industry is highly competitive, and competition is likely to further intensify, including from new industry entrants. Competition is especially likely to increase in the premium automotive categories as each market participant intensifies its efforts to retain its position in established markets while also developing a presence in other key markets. Factors affecting competition include product quality and features, innovation and the development of new products, cost control, pricing, reliability, safety, fuel economy, environmental impact and perceptions thereof, customer service and financing terms. Some of our competitors based in the European Union may gain a competitive advantage that would enable them to benefit from their access to the European Union single market post-Brexit. There is no assurance that we will be able to compete successfully in the global automotive industry in the future.

We also face strong competition in the Indian market from domestic and foreign automobile manufacturers. Improving infrastructure and growth prospects in India, compared to those of other mature markets, have attracted a number of international companies to India, either through joint ventures with local partners or through independently owned operations in India. International competitors bring with them decades of international experience, global scale, advanced technology and significant financial resources. Consequently, domestic competition is likely to further intensify in the future. There is no assurance that we will be able to implement our future strategies in a way that will mitigate the effects of increased competition in the Indian automotive industry.

Designing, manufacturing and selling vehicles is capital-intensive and requires substantial investments in manufacturing, machinery, research and development, product design, engineering, technology and marketing in order to meet both consumer preferences and regulatory requirements. If our competitors consolidate or enter into other strategic partnerships or joint ventures, they may be able to take better advantage of economies of scale. If competitors are able to benefit from the cost savings offered by consolidation or strategic partnerships, it could adversely affect our competitiveness. Competitors could use consolidation or strategic partnerships as a means of enhancing their competitiveness (including through the acquisition of technology), which could also materially adversely affect our business. Further, our growth strategy relies on the expansion of our operations in less mature markets abroad, where we may face significant competition and higher than expected costs to enter and establish ourselves.

We are subject to risks associated with product liability, warranties and recalls.

We are subject to risks and costs associated with product liability, warranties and recalls in connection with performance, compliance or safety related issues affecting our vehicles. From time to time, we may be subject to investigations by governmental authorities relating to safety and other compliance issues with our vehicles. For example, there are ongoing investigations with governmental agencies in China, South Korea and the United Kingdom relating to the quality of TDV6 diesel engines installed in some of our vehicles that are already in service. In particular, as our vehicles become more technologically advanced, we are subject to risks related to their software and operation, including our Advanced Driver Assistance Systems (“ADAS”) automation. We expend considerable resources in connection with product recalls and these resources typically include the cost of the part being replaced and the labor required to remove and replace the defective part. In addition, product recalls can cause our consumers to question the safety or reliability of our vehicles, which may harm our reputation. Any harm to our reputation may result in a substantial loss of customers. For example, in May 2016, an industry wide passenger airbag safety recall was announced in the United States by the National Highway Traffic System Administration (the “NHTSA”), with respect to frontal airbags that use ammonium nitrate propellant without any desiccant from Takata Corporation (“Takata”), a supplier of airbags. Certain airbags supplied by Takata were installed in some of our vehicles. We considered the cost associated with the recall to be an adjusting post-balance sheet event, and we recognized a provision of GBP67.4 million for the estimated cost of repairs in our income statement for Fiscal 2016. The provision held at the end of Fiscal 2019 with respect to the recall is GBP58 million and we intend to use it as the mandated repairs are made over the next one to two years. Additionally, in December 2016, the NHTSA announced that it was conducting an investigation into reports of rollaways of parked vehicles in certain of our models. Further, in July 2018, the NHTSA announced that it is seeking to conduct an investigation into reports of doors inadvertently opening while the vehicle was in motion in certain of our vehicles, following a recall remedy to rectify this risk.

Furthermore, we may also be subject to class actions or other large-scale lawsuits pertaining to product liability or other matters in various jurisdictions in which we have a significant presence. The use of shared components in vehicle production increases this risk because individual components are deployed in a number of different models across our brands. Any costs incurred or lost sales caused by product liability, warranties and recalls could materially adversely affect our business and reputation.

Our future success depends on our ability to satisfy changing customer demands by offering innovative products in a timely manner and maintaining product competitiveness and quality.

Customer preferences in certain more mature markets have trended towards smaller and more fuel-efficient and environmentally-friendly vehicles. Climate change concerns, increases in fuel prices, certain government regulations (such as CO_2 emissions limits and higher taxes on SUVs) and the promotion of new technologies have encouraged customers to look beyond standard purchasing factors (such as price, design, performance, brand image and features). As a result, customers may look to the differentiation of the technology used in a vehicle or by a manufacturer or provider of this technology. Such consumer preferences could materially affect our ability to sell premium Passenger Cars and large or medium-sized all-terrain vehicles at current or target volume levels, and could have a material adverse effect on our general business activity, net assets, financial position and results of operations.

Our operations may be significantly impacted if we fail to develop, or experience delays in developing, fuel-efficient vehicles that reflect changing customer preferences and meet the specific requirements of government regulations. Our competitors may gain significant advantages if they are able to offer products satisfying customer needs earlier than we are able to, which could adversely impact our sales, results of operations and financial condition. Delays or cost overruns in implementing new product launches, expansion plans or capacity enhancements could also materially and adversely impact our financial condition, results of operations and cash flows.

In light of the public discourse on climate change and volatile fuel prices, we face more stringent government regulations, including the imposition of speed limits and higher taxes on SUVs or premium automobiles. We endeavor to take account of these factors, and we are focused on researching, developing and producing new drive technologies, such as hybrid engines and electric cars. We are also investing in development programs aimed at reducing fuel consumption through the use of lightweight materials, reducing parasitic losses through the driveline and improving aerodynamics. Coupled with consumer preferences, a failure to achieve our planned objectives or delays in developing fuel-efficient products could materially affect our ability to sell premium Passenger Cars and large or medium-sized all-terrain vehicles at current or targeted volumes and could have a material adverse effect on our general business activity, net assets, financial position and results of operations. In addition, deterioration in the quality of our vehicles could force us to incur substantial costs and damage to our reputation. There is a risk that competitors or joint ventures set up by competitors will develop better solutions and will be able to manufacture the resulting products more rapidly, in larger quantities, with a higher quality and/or at a lower cost. It is possible that we could then be compelled to make new investments in researching and developing other technologies to maintain our existing market share or win back market share lost to competitors. Finally, our manufacturing operations and sales may be subject to potential physical impacts of climate change, including changes in weather patterns and an increased potential for extreme weather events, which could affect the manufacturing and distribution of our products, as well as the cost and availability of raw materials and components.

In contrast to other mature markets, consumer preferences in the United States have shifted towards increased demand for pickup trucks and larger SUVs. A shift in consumer demand away from these vehicles within the United States towards compact and mid-size Passenger Cars, whether in response to higher fuel prices or other factors, could adversely affect our profitability. Conversely, if the trend in U.S. consumer preferences for SUVs holds, we could face increased competition from other carmakers as they adapt to the market shift and introduce their own SUV models, which could materially and adversely impact our business, financial position or results of operations.

Private and commercial users of transportation increasingly use modes of transportation other than the automobile, especially in connection with increasing urbanization. The reasons for this include the rising costs related to automotive transport of people and goods, increasing traffic density in major cities and environmental awareness. In addition, the increased use of car sharing services (e.g., Zipcar and DriveNow) and other innovative mobility initiatives facilitate access to alternative modes of transport, thereby reducing dependency on private automobiles. Furthermore, non-traditional market participants and/or unexpected disruptive innovations may disrupt the established business model of the industry by introducing new technologies, distribution models and methods of transportation.

A shift in consumer preferences away from private automobiles would have a material adverse effect on our general business activity and on our sales, prospects, financial condition and results of operations.

To stimulate demand, competitors in the automotive industry have offered customers and dealers price reductions on vehicles and services, which has led to increased price pressures and sharpened competition within the industry. Since we are a provider of numerous high-volume models, our profitability and cash flows are significantly affected by the risk of rising competitive price pressures. Special sales incentives and increased price pressures in the new car business also influence price levels in the used car market, with a negative effect on vehicle resale values. This could have a negative impact on the profitability of the used car business in our dealer organization.

There is no assurance that our new models will meet our sales expectations, in which case we may be unable to realize the intended economic benefits of our investments, which would materially affect our business, results of operations and financial condition. In addition, there is a risk that our quality standards can be maintained only by incurring substantial costs for monitoring and quality assurance. For our customers, one of the determining factors in purchasing our vehicles is the high quality of our products. A decrease in the quality of our vehicles (or public perception of such a decrease) could damage our image and reputation as a premium automobile manufacturer and materially affect our business, results of operations and financial condition.

In addition, product development cycles can be lengthy, and there is no assurance that new designs will lead to revenues from vehicle sales, or that we will be able to accurately forecast demand for our vehicles, potentially leading to inefficient use of our production capacity. Additionally, our high proportion of fixed costs, due to our significant investment in property, plants and equipment, further exacerbates the risks associated with incorrectly assessing demand for our vehicles.

We are exposed to the risks of new drive and other technologies being developed and the resulting effects on the automobile market.

Over the past few years, the global market for automobiles, particularly in established markets, has been characterized by increasing demand for more environmentally-friendly vehicles and technologies. This is related, in particular, to the public debate on global warming and climate change. In response to climate change and the laws and regulations that have been and are likely to be adopted to address it, we are focusing on researching, developing and producing new drive technologies, such as hybrid engines and electric cars. Jaguar Land Rover is also investing in development programs to reduce fuel consumption through the use of lightweight materials, reducing parasitic losses through the driveline and improvements in aerodynamics (e.g., through our premium transverse architecture). Recently, several jurisdictions, such as Norway, Germany, the United Kingdom, France, the Netherlands, India and China, have announced their intention to substantially reduce or eliminate the sale of conventionally fueled vehicles in their markets in the coming decades.

The emissions levels of diesel technologies have also become the focus of legislators in the United States and European Union. This has led various carmakers to announce programs to retrofit diesel vehicles with software that will allow them to reduce emissions which may require us to undertake increased research and development spending. There is a risk that these research and development activities, including retrofit software upgrades, will not achieve their planned objectives or that competitors or joint ventures set up by competitors will develop better solutions and will be able to manufacture the resulting products more rapidly, in larger quantities, with a higher quality and/or at a lower cost. This could lead to increased demand for these competitors’ product and result in a loss of market share for us. There is also a risk that the technologies developed through research and development including autonomous, connected and electrification technologies, or money invested in mobility solutions to overcome and address future travel and transport challenges, will, to a considerable extent, could be unsuccessful in the market for reasons inherent to our products or because competitors have developed better or less expensive products. It is possible that we could then be compelled to make new investments in researching and developing other technologies to maintain its existing market share or to win back the market share lost to competitors.

In addition, climate change concerns and the promotion of new technologies encourage customers to look beyond standard factors (such as price, design, performance, brand image, comfort or features) to differentiation of the technology used in the vehicle or the manufacturer or provider of this technology. This could lead to shifts in demand and the value-added parameters in the automotive industry at the expense of our products.

Underperformance of our distribution channels may adversely affect our sales and results of operations.

Our products are sold and serviced through a network of authorized dealers and service centers across India and through a network of distributors and local dealers in international markets. We monitor the performance of our dealers and distributors and provide them with support to enable them to perform to our expectations. There can be no assurance, however, that our expectations will be met. Any underperformance by or a deterioration in the financial condition of our dealers or distributors could materially and adversely affect our sales and results of operations.

If dealers or importers encounter financial difficulties and our products and services cannot be sold or can be sold only in limited numbers, the sales of such dealers and importers may be adversely affected. Additionally, if we cannot replace the affected dealers or importers with other franchises, the financial difficulties experienced by such dealers or importers could have an indirect effect on our vehicle deliveries.

Consequently, we could be compelled to provide additional support for dealers and importers and, under certain circumstances, may even take over their obligations to customers, which would adversely affect our financial position and results of operations in the short term.

Disruptions to our supply chains and shortages of essential raw materials may adversely affect our production and results of operations.

We rely on third parties for sourcing raw materials, parts and components used in the manufacture of our products. At the local level, we rely on smaller enterprises where the risk of insolvency is greater. Furthermore, for some parts and components, we are dependent on a single source. Our ability to procure supplies in a cost-effective and timely manner or at all is subject to various factors, some of which are not within our control. For instance, the outcome of the Brexit negotiations could lead to reduced access to the European Union single market and to the global trade deals negotiated by the European Union on behalf of its member states, which could affect imports of raw materials, parts and components and disrupt Jaguar Land Rover supplies. Furthermore, there is the risk that manufacturing capacity does not meet, or exceeds, sales demand thereby compromising business performance and without any near term remedy given the time frames and investments required for any changes to the supply chain. While we manage our supply chain as part of our supplier management process, any significant problems or shortages of essential raw materials in the future could adversely affect our results of operations.

Adverse economic conditions and falling vehicle sales have had a significant financial impact on our suppliers in the past. Deterioration in automobile demand and lack of access to sufficient financial arrangements for our supply chain could impair the timely availability of components to our business. In addition, if one or more of the other global automotive manufacturers were to become insolvent, this would have an adverse impact on the supply chains and may further adversely affect our results of operations. We are also exposed to supply chain risks relating to lithium ion cells, which are critical for our electric vehicle production. Any disruption in the supply of battery cells from such suppliers could disrupt production of our vehicles. The severity of this risk is likely to increase as we and other manufacturers expand the production of electric vehicles and the demand for such vehicles increases.

We have also entered into supply agreements with Ford and certain other third parties for critical components and remain reliant upon Ford and Ford’s joint venture with the PSA Group (the “Ford-PSA Joint Venture”) for a portion of our engines. However, following the launch of the Engine Manufacturing Centre (“EMC”) in Wolverhampton, and the subsequent China Joint Venture, we now also manufacture our own “in house” engines. We may not be able to manufacture certain types of engines or find a suitable replacement supplier in a timely manner in the event of any disruption in the supply of engines, or parts of engines, and other hardware or services provided to us by Ford or the Ford-PSA Joint Venture and such disruption could have a material adverse impact on our operations, business and/or financial condition.

A change in requirements under long-term supply arrangements committing Jaguar Land Rover to purchase minimum or fixed quantities of certain parts, or to pay a minimum amount to the seller, could have a material adverse impact on our financial condition or results of operations. We have entered into a number of long-term supply contracts that require Jaguar Land Rover to purchase a fixed quantity of parts to be used in the production of Jaguar Land Rover vehicles (e.g., “take-or-pay” contracts). If the need for any of these parts were to lessen, Jaguar Land Rover could still be required to purchase a specified quantity of the part or pay a minimum amount to the seller pursuant to the take-or-pay contract, which could have a substantial adverse effect on our financial condition or results of operations.

We are more vulnerable to reduced demand for premium performance cars and all-terrain vehicles than automobile manufacturers with a more diversified product range.

Jaguar Land Rover operates in the premium performance car and all-terrain vehicle segments, which are very specific segments of the premium Passenger Car market, and it has a more limited range of models than some of its competitors. Accordingly, its financial performance is linked to market conditions and consumer demand in those market segments. Some other premium performance vehicle manufacturers operate in a relatively broader spectrum of market segments, which makes them comparatively less vulnerable to reduced demand for any specific segment. Any downturn or reduction in the demand for premium Passenger Cars and all-terrain vehicles, or any reduced demand for Jaguar Land Rover’s most popular models in the geographic markets in which it operates could have a substantial adverse effect on its performance and earnings.

Increases in input prices may have a material adverse effect on our results of operations.

In Fiscal 2019 and Fiscal 2018, the consumption of raw materials, components aggregates and purchase of products for sale (including changes in inventory) constituted 65.5% and 64.4%, respectively, of our revenues. Prices of commodity items used in manufacturing automobiles, including steel, aluminum, copper, zinc, rubber, platinum, palladium and rhodium, have become increasingly volatile in recent years. Furthermore, prices of commodity items such as steel, non-ferrous metals, precious metals, rubber and petroleum products may rise significantly. Further price movements depend on the evolving economic scenarios across the globe. Most of these inputs are priced in U.S. dollars on international markets. While we continue to pursue cost reduction initiatives, an increase in price of input materials could severely impact our profitability to the extent such increase cannot be absorbed by the market through price increases and/or could also have a negative impact on demand. In addition, because of intense price competition and fixed costs base, we may not be able to adequately address changes in commodity prices even if they are foreseeable.

In addition, we are exposed to the risk of contraction in the supply, and a corresponding increase in the price of, rare and frequently highly sought after raw materials, especially those used in vehicle electronics such as rare earth metals, which are predominantly produced in China. Rare earth metal prices and supply remain uncertain. China has, in the past, limited the export of rare earths from time to time. If we are unable to find substitutes for such raw materials or pass price increases on to customers by raising prices, or to safeguard the supply of scarce raw materials, our vehicle production, business and results from operations could be affected.

We manage these risks through the use of fixed supply contracts with tenor up to 12 months and the use of financial derivatives pursuant to a defined hedging policy. We enter into a variety of foreign currency, interest rates and commodity forward contracts and options to manage our exposure to fluctuations in foreign exchange rates, interest rates and commodity price risks. These financial exposures are managed in accordance with our risk management policies and procedures. We use foreign currency forward and option contracts to hedge risks associated with foreign currency fluctuations relating to highly probable forecast transactions. We also enter into interest rate swaps and interest rate currency swap agreements, mainly to manage exposure on our fixed rate or variable rate debt. We further use interest rate derivatives or currency swaps to hedge exposure to exchange rate fluctuations on principal and interest payments for borrowings denominated in foreign currencies. Specific transactional risks include risks like liquidity and pricing risks, interest rate and exchange rate fluctuation risks, volatility risks, counterparty risks, settlement risks and gearing risks. However, the hedging transactions may not adequately protect us against these risks. In addition, if markets move adversely, we may incur financial losses on such hedging transactions, and the financial condition and results of operations may be adversely impacted.

Any inability to implement our growth strategy by entering new markets may adversely affect our results of operations.

Our growth strategy relies on the expansion of our operations in emerging markets such as the Association of Southeast Asian Nations (“ASEAN”) region, the South Asian Association for Regional Cooperation (“SAARC”) region, Latin American countries, north and west Africa, as well as other parts of the world that feature higher growth potential than many of the more mature automotive markets in developed countries. The costs associated with entering and establishing ourselves in new markets, and expanding such operations may, however, be higher than expected, and we may face significant competition in those regions. In addition, our international business faces a range of risks and challenges, including language barriers, cultural differences, difficulties in staffing and managing overseas operations, inherent difficulties and delays in contract enforcement and the collection of receivables under the legal systems of foreign countries, the risk of non-tariff barriers, regulatory and legal requirements affecting our ability to enter new markets through joint ventures with local entities, difficulties in obtaining regulatory approvals, environmental permits and other similar types of governmental consents, difficulties in negotiating effective contracts, obtaining the necessary facility sites or marketing outlets or securing essential local financing, liquidity, trade financing or cash management facilities, export and import restrictions, multiple tax regimes (including regulations relating to transfer pricing and withholding and other taxes on remittances and other payments from subsidiaries), foreign investment restrictions (including restrictions on incentives offered by foreign governments for investment in their jurisdictions), foreign exchange controls and restrictions on repatriation of funds, other restrictions on foreign trade or investment sanctions, and the burdens of complying with a wide variety of foreign laws and regulations. If we are unable to manage risks related to our expansion and growth in other parts of the world and therefore fail to establish a strong presence in those higher growth markets, our business, results of operations and financial condition could be adversely affected or our investments could be lost.

Potential changes to our business through acquisitions and divestments may have a material adverse effect on our future results and financial condition.

We regularly examine a range of corporate opportunities, including acquisitions and divestments, with a view to determining whether those opportunities will enhance our strategic position and financial performance. There can be no assurance that any acquisition or divestment would have the anticipated positive results, including results relating to the total cost of integration or separation, the time required to complete the integration or separation, the amount of long-term cost savings, the overall performance of the combined or remaining entity, or an improved price for the Company’s securities.

Additionally, there are risks relating to the completion of any particular transaction occurring, including counterparty and settlement risk, or the non-satisfaction of any completion conditions (for example, relevant regulatory or third party approvals). Our operating performance, risk profile and capital structure may be affected by these corporate opportunities and there is a risk that our credit ratings may be placed on credit watch or downgraded if these opportunities are pursued.

Integration or separation of an acquired or divested business can be complex and costly, sometimes including combining or separating relevant accounting and data processing systems, and management controls, as well as managing relevant relationships with employees, customers, regulators, counterparties, suppliers and other business partners. Integration or separation efforts could create inconsistencies in standards, controls, procedures and policies, as well as diverting management attention and resources. This may adversely affect our ability to conduct our business successfully and impact our operations or results. Additionally, there can be no assurance that employees, customers, counterparties, suppliers and other business partners of newly acquired or retained) businesses will remain post-acquisition or post-divestment, and the loss of employees, customers, counterparties, suppliers and other business partners may adversely affect our operations or results.

Exchange rate and interest rate fluctuations could materially and adversely affect our financial condition and results of operations.

Our operations are subject to risks arising from fluctuations in exchange rates with reference to countries in which we operate. We import capital equipment, raw materials and components from, manufacture vehicles in, and sell vehicles into, various countries, and therefore, our revenues and costs have significant exposure to the relative movements of the GBP, the U.S. dollar, the Euro, the Russian Ruble, the Chinese Renminbi, the Singapore dollar, the Japanese yen, the Australian dollar, the South African rand, the Thai baht, the Korean won and the Indian rupee. Brexit could also have a negative impact on the growth of the United Kingdom economy and increase volatility of the GBP. A significant proportion of our input materials and components and capital equipment are sourced overseas, in particular from Europe, and therefore we have costs in, and significant exposure to the movement of, the euro (specifically a strengthening of the Euro) and certain other currencies relative to the GBP (Jaguar Land Rover’s reporting currency), which may result in decreased profits to the extent these are not fully mitigated by non GBP sales. The majority of our product development and manufacturing operations, as well as our global headquarters, are based in the United Kingdom, but we also have national sales companies which operate in the major markets in which we sell vehicles. As a result, we have exposure to movements of the U.S. dollar, the Euro, Chinese Renminbi, the Russian Ruble and other currencies relative to the GBP and foreign exchange volatility may affect our results of operations, profitability and financial position.

As published by Bloomberg L.P., the exchange rate as of March 31, 2018 expressed in Indian rupees per GBP1.00, was Rs.91.60 compared to Rs.90.51 as of March 31, 2019 and Rs.87.57 as of June 30, 2019 and the rate expressed in US$ per GBP1.00, was US$1.40 as of March 31, 2018 compared to US$1.30 as of March 31, 2019 and US$1.27 as of June 30, 2019.

Moreover, we have outstanding foreign currency-denominated debt and are sensitive to fluctuations in foreign currency exchange rates. We have experienced and could in the future experience foreign exchange losses on obligations denominated in foreign currencies in respect of our borrowings and foreign currency assets and liabilities due to currency fluctuations.

We are exposed to changes in interest rates, as we have both interest-bearing assets (including cash balances) and interest-bearing liabilities, which bear interest at variable rates. Although we engage in managing our interest and foreign exchange exposure through use of financial hedging instruments, such as forward contracts, swap agreements and option contracts, higher interest rates and a weakening of the Indian rupee against major foreign currencies could significantly increase our cost of borrowing, which could have a material adverse effect on our financial condition, results of operations and liquidity. Please see note 38(d)(i) – (b) to our consolidated financial statements included elsewhere in this annual report on Form 20-F for further detail on our exposure to fluctuations in interest rates.

Appropriate hedging lines for the type of risk exposures we are subject to may not be available at a reasonable cost, particularly during volatile rate movements, or at all. Moreover, there are risks associated with the use of such hedging instruments. While hedging instruments may mitigate our exposure to fluctuations in currency exchange rates to a certain extent, we potentially forego benefits that might result from market fluctuations in currency exposures. These hedging transactions can also result in substantial losses. Such losses could occur under various circumstances, including, without limitation, any circumstances in which a counterparty does not perform its obligations under the applicable hedging arrangement (despite having International Swaps and Derivatives Association agreements in place with each of our hedging counterparties), there are currency fluctuations, the arrangement is imperfect or ineffective, or our internal hedging policies and procedures are not followed or do not work as planned. In addition, because our potential obligations under the financial hedging instruments are marked to market, we may experience quarterly and annual volatility in our operating results and cash flows attributable to our financial hedging activities.

A decline in retail customers' purchasing power or consumer confidence or in corporate customers' financial condition and willingness to invest could materially and adversely affect our business.

Demand for vehicles for personal use generally depends on consumers' net purchasing power, their confidence in future economic developments and changes in fashion and trends, while demand for vehicles for commercial use by corporate customers (including fleet customers) primarily depends on the customers' financial condition, their willingness to invest (motivated by expected future business prospects) and available financing. A decrease in potential customers' disposable income or their financial flexibility or an increase in the cost of financing will generally have a negative impact on demand for our products. A weak macroeconomic environment, combined with restrictive lending and a low level of consumer sentiment generally, may reduce consumers' net purchasing power and lead existing and potential customers to refrain from purchasing new vehicles, to defer a purchase further or to purchase a smaller model with less equipment at a lower price. A deteriorating macroeconomic environment may disproportionately reduce demand for luxury vehicles. It also could lead to reluctance by corporate customers to invest in vehicles for commercial use and/or to lease vehicles, resulting in a postponement of fleet renewal contracts.

To stimulate demand, the automotive industry has offered customers and dealers price reductions on vehicles and services, which has led to increased price pressures and sharpened competition within the industry. We are a provider of numerous high-volume models, so our profitability and cash flows are significantly affected by the risk of rising competitive and price pressures.

Special sales incentives and increased price pressures in the new car business also influence price levels in the used car market, with a negative effect on vehicle resale values. This may have a negative impact on the profitability of the used car business in our dealer organization.

We may be adversely affected by labor unrest.

All of our permanent employees in India, other than officers and managers, and most of our permanent employees in our automotive business in South Korea and the United Kingdom, including certain officers and managers, are members of labor unions and are covered by our wage agreements, where applicable, with those labor unions.

In January 2019, Jaguar Land Rover announced reduction of the size of its global workforce by around 4,500 people to deliver cost reductions and cash flow improvements, as well as long-term strategic operating efficiencies. In general, we consider our labor relations with all of our employees to be good. However, in the future we may be subject to labor unrest, which may delay or disrupt our operations in the affected regions, including impacting the acquisition of raw materials and parts, the manufacture, sales and distribution of products and the provision of services. If work stoppages or lock-outs at our facilities or at the facilities of our major vendors occur or continue for a long period of time, our business, financial condition and results of operations may be materially and adversely affected. During Fiscal 2018, we faced two standalone incidents of labor unrest in India, one at our Jamshedpur plant and the other at our Sanand plant. Although these particular issues were amicably resolved, there is no assurance that additional labor issues could not occur, or that any future labor issues will be amicably resolved.

In addition, we engage in bi-annual negotiations in relation to wage agreements, covering approximately 20,000 of our unionized employees, the most recent of which resulted in a two year wage agreement concluded in November 2016. The current wage agreement has expired in October 2018 and the same is still under negotiation. There is a risk, however, that future negotiations could escalate into industrial action ranging from “work to rule” to a strike before a settlement is ultimately reached.

We are exposed to operational risks, including cybersecurity risks, in connection with our use of information technology.

Operational risk is the risk of loss resulting from inadequate or failed internal processes, people and systems or from external events. This includes, among other things, losses that are caused by a lack of controls within internal procedures, violation of internal policies by employees, disruption or malfunction of information technology (“IT”) systems, computer networks and telecommunications systems, mechanical or equipment failures, human error, natural disasters, security breaches or malicious acts by third parties (including, for example, hackers), whether affecting our systems or affecting those of third party providers. We are generally exposed to risks in the field of information technology, since unauthorized access to or misuse of data processed on our IT systems, human errors associated therewith or technological failures of any kind could disrupt our operations, including the manufacturing, design and engineering processes. In particular, as vehicles become more technologically advanced and connected to the Internet, our vehicles may become more susceptible to unauthorized access to their systems. As a business with complex manufacturing, research, procurement, sales and marketing and financing operations, we are exposed to a variety of operational risks and, if the protection measures put in place prove insufficient (especially given the harsher sanctions imposed under the new General Data Protection Regulation (Regulation (EU) 2016/679) (the “GDPR”)), our results of operations and financial condition can be materially adversely affected. In addition, we would likely experience negative press and reputational impacts. Cybersecurity incidents could lead to loss of productivity, negative impact on our reputation, and, in extreme cases, financial loss due to business disruptions.

Our business and prospects could suffer if we lose one or more key personnel or if we are unable to attract and retain our employees.

Our business and future growth depend largely on the skills of our workforce, including executives and officers, and automotive designers and engineers. The loss of the services of one or more of our personnel could impair our ability to implement our business strategy. In view of intense competition, any inability to continue to attract, retain and motivate our workforce could materially and adversely affect our business, financial condition, results of operations and prospects.

We may be adversely impacted by political instability, wars, terrorism, multinational conflicts, countries resorting to protectionism, natural disasters, fuel shortages/prices, epidemics and labor strikes.

Our products are exported to a number of geographical markets, and we plan to further expand our international operations in the future. Consequently, we are subject to various risks associated with conducting our business both within and outside our domestic market and our operations in markets abroad may be subject to political instability, wars, terrorism, regional or multinational conflicts, natural disasters and extreme weather, fuel shortages, epidemics and labor strikes. Any disruption of the operations of our manufacturing, design, engineering, sales, corporate and other facilities could materially and adversely affect our business, financial condition and results of operations. For example, the current U.S. presidential administration could seek to introduce changes to laws and policies governing international trade and impose additional tariffs and duties on foreign vehicle imports, which could have a material adverse effect on our sales in the United States. In addition, conducting business internationally, especially in emerging markets, exposes us to additional risks, including adverse changes in economic and government policies, unpredictable shifts in regulation, inconsistent application of existing laws and regulations, unclear regulatory and taxation systems and divergent commercial and employment practices and procedures. If any of these events were to occur, there can be no assurance that we would be able to shift our manufacturing, design, engineering, sales, corporate and other operations to alternate sites in a timely manner, or at all. Any deterioration in international relations, especially between India and its neighboring countries, may result in investor concern regarding regional stability. Any significant or prolonged disruption or delay in our operations related to these risks could materially and adversely affect our business, financial condition and results of operations.

Terrorist attacks, civil disturbances, regional conflicts and other acts of violence, particularly in India, may disrupt or otherwise adversely affect the markets in which we operate, our business and our profitability. India has from time to time experienced social and civil unrest and hostilities and adverse social, economic or political events, including terrorist attacks and local civil disturbances, riots and armed conflict with neighboring countries. Events of this nature in the future could influence the Indian economy and could have a material adverse effect on our business, as well as the market for securities of Indian companies, including the Company’s Shares and ADSs. Such incidents could also create a greater perception that investment in Indian companies involves a higher degree of risk and could have a material adverse effect on our business, results of operations and financial condition, and also the market price of the Company’s Shares and ADSs.

We are vulnerable to supply chain disruptions resulting from natural disasters or accidents. For example, on August 12, 2015, there was an explosion in the city port of Tianjin, one of three major ports in China through which we import our vehicles. Approximately 5,800 of our vehicles were stored at various locations in Tianjin at the time of the explosion, and, as a result, we recognized an exceptional charge of GBP245 million in the three months ended September 30, 2015. Subsequently, GBP274 million of net insurance proceeds and other recoveries have been received as of March 31, 2018, including GBP35 million related to other costs associated with Tianjin including lost and discounted vehicle revenue. A significant delay or sustained interruption in the supply of key inputs sourced from areas affected by disasters or accidents could materially and adversely affect our ability to maintain our current and expected levels of production, and therefore negatively affect our revenues and increase our operating expenses.

We are a global organization, and are therefore vulnerable to shifts in global trade and economic policies and outlook. Policies that result in countries withdrawing from trade pacts, increasing protectionism and undermining free trade could substantially affect our ability to operate as a global business. Additionally, negative sentiments towards foreign companies among our overseas customers and employees could adversely affect our sales as well as our ability to hire and retain talented people. A negative shift in either policies or sentiment with respect to global trade and foreign businesses could have a material adverse effect on our business, results of operations and financial condition.

Our business is seasonal in nature and a substantial decrease in our sales during certain quarters could have a material adverse impact on our financial performance.

The sales volumes and prices for our vehicles are influenced by the cyclicality and seasonality of demand for these products. The automotive industry has been cyclical in the past, and we expect this cyclicality to continue.

In the Indian market, demand for our vehicles generally peaks between January and March, although there is a decrease in demand in February just before release of the Indian fiscal budget. Demand is usually lean from April to July and picks up again in the festival season from September onwards, with a decline in December as customers defer purchases to the new year.

Our Jaguar Land Rover business is impacted by the biannual registration of vehicles in the United Kingdom where the vehicle registration number changes every March and September, which leads to an increase in sales during these months, and, in turn, impacts the resale value of vehicles. This leads to an increase in sales during the period when the aforementioned change occurs. Most other markets, such as the United States, are influenced by the introduction of new-model-year products, which typically occurs in the autumn of each year. Furthermore, in the United States, there is some seasonality in the purchasing pattern of vehicles in the northern states for Jaguar when there is a concentration of vehicle sales in the spring and summer months and for Land Rover, where the trend for purchasing 4x4 vehicles is concentrated in the autumn and winter months. Markets in China tend to experience higher demand for vehicles around the Lunar New Year holiday in either January or February, the Chinese National Day and the Golden Week holiday in October. In addition, demand in Western European automotive markets tends to be softer during the summer and winter holidays. Jaguar Land Rover’s cash flows are impacted by the temporary shutdown of four of their manufacturing plants in the United Kingdom (including the EMC at Wolverhampton) during the summer and winter holidays.

Restrictive covenants in our financing agreements could limit our operations and financial flexibility and materially and adversely impact our financial condition, results of operations and prospects.

Some of our financing agreements and debt arrangements set limits on and/or require us to obtain lender consent before, among other things, pledging assets as security. In addition, certain financial covenants may limit our ability to borrow additional funds or to incur additional liens. In the past, we have been able to obtain required lender consent for such activities. However, there can be no assurance that we will be able to obtain such consents in the future. If our liquidity needs or growth plans require such consents and such consents are not obtained, we may be forced to forego or alter our plans, which could materially and adversely affect our results of operations and financial condition.

In the event we breach these covenants, the outstanding amounts due under such financing agreements could become due and payable immediately and/or result in increased costs. A default under one of these financing agreements may also result in cross-defaults under other financing agreements and result in the outstanding amounts under such other financing agreements becoming due and payable immediately. Defaults under one or more of our financing agreements could have a material adverse effect on our financial condition and results of operations.

Future pension obligations may prove more costly than currently anticipated and the market value of assets in our pension plans could decline.

We provide post-retirement and pension benefits to our employees, including defined benefit plans. Our pension liabilities are generally funded. However, lower returns on pension fund assets, changes in market conditions, interest rates or inflation rates, and adverse changes in other critical actuarial assumptions, may impact our pension liabilities or assets and consequently increase funding requirements. Further, any changes in government/regulations, may adversely impact the pension benefits payable to the employees, which could materially decrease our net income and cash flows.

Jaguar Land Rover provides post-retirement and pension benefits to its employees, some of which are defined benefit plans. As part of Jaguar Land Rover’s strategic business review process, it closed the Jaguar Land Rover defined benefit pension plan to new joiners as of April 19, 2010. All new Jaguar Land Rover employees from April 19, 2010 join a new defined contribution pension plan. Under the arrangements with the trustees of the defined benefit pension schemes, an actuarial valuation of the assets and liabilities of the schemes is undertaken every three years. The most recent valuation, as of April 2018, indicated a shortfall in the assets of the schemes as of that date, versus the actuarially determined liabilities as of that date of GBP554 million (compared to GBP789 million as of April 2015). The 2018 valuation was completed in December 2018. Following the 2018 actuarial valuation the company contributions for benefits accruing in the defined benefit plan reduces to approximately 22% (previously approximately 31%) reflecting the benefit restructure implemented as of April 5, 2017. As of March 31, 2019, Jaguar Land Rover’s UK defined benefit pension accounted deficit had increased to GBP667 million, as compared to GBP438 million as of March 31, 2018. This increase was primarily due to reductions in bond yields as well as increased inflation expectations. The increase also reflects the cost of guaranteed maximum price equalization and pension benefits for employees leaving under the Fiscal 2019 restructuring programs (together equal to GBP42 million).

Lower return on pension fund assets, changes in market conditions, changes in interest rates, changes in inflation rates and adverse changes in other critical actuarial assumptions, may impact our pension liabilities or assets and consequently increase funding requirements, which will adversely affect our financial condition and results of operations. The accounted deficit is assessed and reported on a quarterly basis and is driven by a number of factors including asset movements, discount rate movements (reflecting UK high quality corporate debt yields), mortality rates, inflation, as well as one-off events such as redundancy programs. As a result, the level of the pension deficit may vary substantially between periods.

We may be materially and adversely affected by the divulgence of confidential information.

Although we have implemented policies and procedures to protect confidential information, such as key contractual provisions, future projects, financial information and customer records, such information may be divulged as a result of internal leaks, hacking, other threats from cyberspace or other factors. If confidential information is divulged, we could be subject to claims by affected parties, regulatory penalties, negative publicity and loss of proprietary information, all of which could have an adverse and material impact on our reputation, business, financial condition, results of operations and cash flows.

Our business could be negatively affected by the actions of activist shareholders.

Certain shareholders of the Company may from time to time advance shareholder proposals or otherwise attempt to effect changes at the Company, influence elections of the directors of the Company ("Directors") or acquire control over our business. Our success largely depends on the ability of our current management team to operate and manage effectively. Campaigns by shareholders to effect changes at publicly listed companies are sometimes led by investors seeking to increase short-term shareholder value by advocating corporate actions such as financial restructuring, increased borrowing, special dividends, stock repurchases or even sales of assets or the entire company, or by voting against proposals put forward by the board of directors of the Company (the "Board") and our management. If faced with actions by activist shareholders, we may not be able to respond effectively to such actions, which could be disruptive to our business.

We rely on licensing arrangements with Tata Sons Private Limited to use the "Tata" brand. Any improper use of the associated trademarks by our licensor or any other third parties could materially and adversely affect our business, financial condition and results of operations.

Our rights to our trade names and trademarks are a crucial factor in marketing our products. Establishment of the "TATA" word mark and logo mark in and outside India is material to our operations. We have licensed the use of the "TATA" brand from our Promoter, Tata Sons Private Limited ("Tata Sons"). If Tata Sons, or any of its subsidiaries or affiliated entities, or any third party uses the trade name "TATA" in ways that adversely affect such trade name or trademark, our reputation could suffer damage, which, in turn, could have a material adverse effect on our business, financial condition and results of operations.

We are subject to risks associated with the automobile financing business.

The sale of our Commercial Vehicles and Passenger Vehicles is heavily dependent on funding availability for our customers. Rising delinquencies and early defaults have contributed to a reduction in automobile financing, which, in turn, has had an adverse effect on funding availability for potential customers. This reduction in available financing may continue in the future and have a material adverse effect on our business, financial condition and results of operations.

Default by our customers or inability to repay installments as due could materially and adversely affect our business, financial condition, results of operations and cash flows. In addition, any downgrade in our credit ratings may increase our borrowing costs and restrict our access to the debt markets. Over time, and particularly in the event of any credit rating downgrade, market volatility, market disruption, regulatory changes or otherwise, we may need to reduce the amount of financing receivables we originate, which could severely disrupt our ability to support the sale of our vehicles.

Jaguar Land Rover has consumer finance arrangements in place with Lloyds Black Horse in the United Kingdom, FCA Bank S.p.A. in European markets and Chase Auto Finance in North America and has similar arrangements with local providers in a number of other key markets. Any reduction in the supply of available consumer financing for the purchase of new vehicles or an increase in the cost thereof would make it more difficult for some of its customers to purchase its vehicles, which could put Jaguar Land Rover under commercial pressure to offer new (or expand existing) retail or dealer incentives to maintain demand for its vehicles, thereby materially and adversely affecting our sales and results of operations. For example, during the global financial crisis, several providers of customer finance reduced their supply of consumer financing for the purchase of new vehicles. Additionally, base interest rates in developed economies are at historic lows. An increase in interest rates due to tightening monetary policy or for any other reason would result in increased costs for consumers.

Furthermore, Jaguar Land Rover offers residual value guarantees on the purchase of certain leases in some markets. The value of these guarantees is dependent on used car valuations in those markets at the end of the lease, which is subject to change. Consequently, we may be adversely affected by movements in used car valuations in these markets.

Inability to protect or preserve our intellectual property could materially and adversely affect our business, financial condition and results of operations.

We own or otherwise have rights in respect of a number of patents and trademarks relating to the products we manufacture, which have been obtained over a period of years. In connection with the design and engineering of new vehicles and the enhancement of existing models, we seek to regularly develop new technical designs for use in our vehicles. We also use technical designs that are the intellectual property of third parties with such third parties' consent. These patents and trademarks have been of value in the growth of our business and may continue to be of value in the future. Although we do not regard any of our businesses as being dependent upon any single patent or related group of patents, an inability to protect this intellectual property generally, or the illegal breach of some or a large group of our intellectual property rights, may have a materially adverse effect on our operations, business and/or financial condition. We may also be affected by restrictions on the use of intellectual property rights held by third parties, and we may be held legally liable for the infringement of the intellectual property rights of others in our products. Moreover, intellectual property laws of some foreign countries may not protect our intellectual property rights to the same extent as U.S. or UK laws.

We may incur significant costs to comply with, or face civil and criminal liability for infringements of, the European General Data Protection Regulation.

In April 2016, the European Union enacted the GDPR. The GDPR is a uniform framework setting out the principles for legitimate data processing and came into force on May 25, 2018. The introduction of the GDPR strengthens individuals' rights and imposes stricter requirements on companies processing personal data. The new regime may impose a substantially higher compliance burden on us and limit our rights to process personal data, lead to cost intensive administration processes, oblige us to provide the personal data that we record to customers in a form that would require additional administrative processes or require substantial changes in our IT environment. Additionally, there are much greater sanctions in case of violations of the GDPR requirements compared to the previous regime. These sanctions depend on the nature of the infringed provision and may consist of civil liabilities and criminal sanctions. For example, criminal sanctions for compliance failures have increased in the United Kingdom to up to €20,000,000 or 4% of annual worldwide turnover (whichever is higher). Our failure to implement and comply with the GDPR could significantly affect our reputation and relationships with our customers and suppliers, and civil and criminal liabilities for the infringement of data protection rules could have a significant negative effect on our financial position.

Some of our vehicles will make use of lithium-ion battery cells, which have been observed in some non-automotive applications to catch fire or vent smoke and flames, and such events have raised concerns, and future events may lead to additional concerns, about the safety of the batteries used in automotive applications.

The battery packs that we use, and will use, in our electric vehicles make use of lithium-ion cells (such as the battery packs we currently use in the all new Jaguar I-PACE). On rare occasions, lithium-ion cells can rapidly release the energy they contain by venting smoke and flames in a manner that can ignite nearby materials as well as other lithium-ion cells.

While we have designed the battery pack to passively contain any single cell's release of energy without spreading to neighboring cells, there can be no assurance that a field or testing failure of our vehicles will not occur, which could subject us to lawsuits, product recalls, or redesign efforts, all of which would be time consuming and expensive. Negative public perceptions regarding the suitability of lithium-ion cells for automotive applications, or any future incident involving lithium-ion cells such as a vehicle fire, even if such incident does not involve our vehicles, could seriously harm our business.

In addition, we store a significant number of lithium ion cells at various warehouses and at some of our manufacturing facilities. Any mishandling of or accidents involving battery cells may cause disruption to the operation of our facilities. While we have implemented safety procedures related to the handling of the cells, there can be no assurance that a safety issue or fire related to the cells would not disrupt our operations. Such damage or injury could lead to adverse publicity and potentially a safety recall. Moreover, any failure of a competitor's electric vehicle may cause indirect adverse publicity for us and our products. Such adverse publicity could harm our business, prospects, financial condition and operating results.

Any failures or weaknesses in our internal controls could materially and adversely affect our financial condition and results of operations.

As discussed in Item 15. "Controls and Procedures," upon an evaluation of the effectiveness of the design and operation of our internal controls, we concluded that there was a material weakness such that our internal controls over financial reporting were not effective as of March 31, 2019. Although we have instituted remedial measures to address the material weakness identified and continually review and evaluate our internal control systems to allow management to report on the sufficiency of our internal controls, we cannot assure you that we will not discover additional weaknesses in our internal controls over financial reporting. Further, management continually improves, simplifies and rationalizes the Company's internal control framework where possible within the constraints of existing IT systems. However, any additional weaknesses or failure to adequately remediate the existing weakness could materially and adversely affect our financial condition or results of operations.

Our insurance coverage may not be adequate to protect us against all potential losses to which we may be subject, which may have a material adverse effect on our business, financial condition and results of operations.

While we believe that the insurance coverage we maintain is reasonably adequate to cover all normal risks associated with the operation of our business. There can be no assurance that any claim under our insurance policies will be honored fully or timely, our insurance coverage will be sufficient in any respect or our insurance premiums will not change substantially. Accordingly, to the extent that we suffer loss or damage that is not covered by insurance or that exceeds our insurance coverage, or are required to pay higher insurance premiums, our business, financial condition and results of operations could be materially and adversely affected.

Political and Regulatory Risks

India's obligations under the World Trade Organization Agreement could materially affect our business.

India's obligations under its World Trade Organization agreement could reduce the present level of tariffs on imports of components and vehicles. Reductions of import tariffs could result in increased competition, which in turn could materially and adversely affect our sales, business, financial condition and results of operations.

New or changing laws, regulations and government policies regarding increased fuel economy, reduced greenhouse gas and other emissions, vehicle safety and taxes, tariffs or fiscal policies may have a significant impact on our business.

As an automobile company, we are subject to extensive governmental regulations regarding vehicle emission levels, noise, safety and levels of pollutants generated by our production facilities. In particular, the United States, Europe and China have stringent regulations relating to vehicle greenhouse gas and noxious emissions. Any tightening of vehicle emissions regulations will require significant costs for compliance. While we are pursuing various technologies in order to meet the required standards in the various countries in which we sell our vehicles, these regulations are likely to become more stringent and the resulting higher compliance costs may be significant to our operations and may adversely impact our business, financial condition and results of operations. They may also limit the type of vehicles we sell and where we sell them, which could affect our Revenues.

Recently, several jurisdictions, such as Norway, Germany, the United Kingdom, France, the Netherlands and China have announced the intention to eliminate the sale of conventionally fueled vehicles in their markets in the coming decades. Diesel technologies have also become the focus of legislators in the United States and European Union as a result of emission levels. This has led to various carmakers to announce programs to retrofit diesel vehicles with software that will allow them to reduce emissions. To maintain our competitiveness and compliance with applicable laws and regulations, we may be required to undertake increased research and development spending as well as other capital expenses.

There is a risk that these research and development activities may not achieve their planned objectives or our competitors will develop better solutions and will be able to manufacture the resulting products more rapidly. This could result in loss of market share for us.

There is also a risk that investments in research and development of new technologies, including autonomous, connected and electrification technologies, and solutions to address future travel and transport challenges, may fail to generate sufficient returns because the technology developed or the products derived therefrom are unsuccessful in the market and/or because our competitors have developed better and/or less expensive products.

Additionally, in order to comply with current and future safety and environmental standards, we may have to incur additional capital expenditures and research and development expenditures to (i) operate, maintain and upgrade our production facilities, (ii) install new emissions controls or reduction technologies, (iii) purchase or otherwise obtain allowances to emit greenhouse gases, (iv) administer and manage our greenhouse gas emissions program, and (v) invest in research and development to upgrade products and manufacturing facilities. If we are unable to develop commercially viable technologies or otherwise unable to attain compliance within the time frames set by the new standards, we could face significant civil penalties or be forced to restrict product offerings significantly. For example, in the United States, manufacturers are subject to substantial civil penalties if they fail to meet federal CAFE standards. Please see Item 4.B "Information on the Company—Business Overview—Governmental Regulations—Environmental, fiscal and other governmental regulations around the world—Greenhouse gas/CO_2/fuel economy legislation" for additional detail on these standards. These penalties are calculated at US$5.50 for each tenth of a mile below the required fuel-efficiency level for each vehicle sold in a model year in the U.S. market. Since 2010, Jaguar Land Rover has paid total penalties of US$46 million for its failure to meet CAFE standards. Moreover, safety and environmental standards may at times impose conflicting imperatives, which pose engineering challenges and would, among other things, increase our costs. While we are pursuing the development and implementation of various technologies in order to meet the required standards in the various countries in which we sell our vehicles, the costs for compliance with these required standards could be significant to our operations and may materially and adversely affect our business, financial condition and results of operations.

The Motor Vehicles (Amendment) Bill, 2019 (the "2019 Motor Vehicle Bill Amendment") was passed in the Lok Sabha on July 23, 2019, but it is yet to be discussed and passed in the Rajya Sabha. The 2019 Motor Vehicle Bill Amendment addresses vehicle recalls, road safety, traffic management and accident insurance, among other matters. In its current form, the 2019 Motor Vehicle Bill Amendment imposes civil and criminal liability on manufacturers selling vehicles in contravention of the standards specified in the 2019 Motor Vehicle Bill Amendment, or required by the government to recall their vehicles. The 2019 Motor Vehicle Bill Amendment also proposes the creation of the National Road Safety Board to provide advice to the central and state governments on all aspects of road safety and traffic management.

Commencing July 1, 2017, the Indian tax regime underwent a systemic change. The Government of India, in conjunction with the state governments, implemented a comprehensive national goods and services tax ("GST") regime to subsume a large number of central government and state government taxes into one unified tax structure. It is a dual GST with central government and state government simultaneously levying it on the common base. The tax is called Central GST, if levied by the central government; State/Union Territory GST, in instances where the state or union territory levy the tax; and Integrated GST, in instances where the GST is levied on the inter-state supply of goods and services. While both the central and state governments have publicly announced that all committed incentives will be protected following the implementation of the GST, given the limited availability of information or alignment of industrial policy of various state government to cover GST or to protect the quantum of incentive available to industries in pre-GST regime, we are unable to provide any assurance as to this or any other aspect of the tax regime, or guarantee that the implementation of GST will not materially or adversely affect our business or financial condition.

Imposition of any additional taxes and levies designed to limit the use of automobiles and changes in corporate and other taxation policies, as well as changes in export and other incentives given by various governments or import or tariff policies, could adversely affect the demand for our vehicles and our results of operations. For instance, the United Kingdom's exit from the European Union would result in material changes to the United Kingdom's tax, tariff and fiscal policies. In addition, the current U.S. presidential administration has called for changes to laws and policies governing international trade to further restrict free trade, including imposing tariffs on certain goods imported into the United States (e.g. a tariff was imposed on European aluminum and steel imports in June 2018). The administration has also specifically warned of its intention to impose a 20% tariff on European made vehicles imported into the United States, a levy that, if imposed, would increase the cost of our vehicles in the United States (as we have no manufacturing operations in the United States), which is likely to have a material adverse effect on our sales in the United States and our results of operations. Furthermore, in recent years, Brazil has increased import duty on foreign vehicles, which has put pressure on sales margins in Brazil and has prompted us to enter into discussions with the Brazilian government to exempt a certain number of imported vehicles from the increased tariff.

Evaluating and estimating our provision and accruals for our taxes requires significant judgment. As we conduct our business, the final tax determination may be uncertain. We operate in multiple geographical markets and our operations in each market are susceptible to additional tax assessments and audits. Our collaborations with business partners are similarly susceptible to such tax assessments.

Authorities may engage in additional reviews, inquiries and audits that disrupt our operations or challenge our conclusions regarding tax matters. Any resulting tax assessment may be accompanied by a penalty or additional fee for failing to make the initial payment. Our tax rates may be affected by earnings estimation errors, losses in jurisdictions that do not grant a related tax benefit, changes in currency rates, acquisitions, investments, or changes in laws, regulations or practices. Additionally, government fiscal pressures may increase the likelihood of adverse or aggressive interpretations of tax laws or regulations or the imposition of arbitrary or onerous taxes, interest charges and penalties. Tax assessments may be initiated even where we consider our practices to be in compliance with tax laws and regulations. Should we challenge such taxes or believe them to be without merit, we may nonetheless be required to pay them. These amounts may be materially different from our expected tax assessments and could additionally result in expropriation of assets, attachment of additional securities, liens, imposition of royalties or new taxes and requirements for local ownership or beneficiation.

Regulations in the areas of investments, taxes and levies may also have an impact on Indian securities, including the Company’s Shares and ADSs. For more information, see Item 4.B “Information on the Company—Business Overview—Governmental Regulations” of this annual report on Form 20-F.

On March 29, 2017, the Supreme Court of India prohibited the sale and registration of Bharat Stage III vehicles from April 1, 2017. Bharat Stage emission standards are emission standards instituted by the Government of India to regulate the output of air pollutants from internal combustion engines and Spark-ignition engines equipment, including motor vehicles. These regulations are similar to European emission standards, and seeks to curb emission levels from motor vehicles. Bharat Stage III is similar to European standards (Euro III) which were in place between 2000 and 2005 in most western nations. The Supreme Court of India’s judgment overturned a government regulation, and was unexpected. The Petroleum Ministry of India in consultation with Public Oil Marketing Companies brought forward the date of Bharat Stage VI grade auto fuels in National Capital Territory of Delhi with effect from April 1, 2018 instead of April 1, 2020. The shortage of Bharat Stage VI fuel across India in the future could impact our business, results of operations and financial condition. We could be impacted by the change of emission standards in India from Bharat Stage IV to Bharat Stage VI, effective April 1, 2020, as Bharat Stage IV vehicles will not be allowed to be registered after that date, which could lead to an increase in our inventory of Bharat Stage IV vehicles if the inventory management is not well-managed during the transition period. The change in emission standards may also increase the cost of Bharat Stage VI vehicles.

Any future potential or real unexpected change in law could have could have a material adverse effect on our business prospects, results of operations and financial condition.

We may be affected by competition law in India and any adverse application or interpretation of the Competition Act could adversely affect our business.

The Indian Competition Act, 2002 (the “Competition Act”) oversees practices having an appreciable adverse effect on competition (“AAEC”) in a given relevant market in India. Under the Competition Act, any formal or informal arrangement, understanding or action in concert, which causes or is likely to cause an AAEC, is considered void and results in imposition of substantial penalties. Consequently, all agreements entered into by us could be within the purview of the Competition Act. Furthermore, any agreement among competitors which directly or indirectly involves determination of purchase or sale prices, limits or controls production, sharing the market by way of geographical area or number of subscribers in the relevant market or which directly or indirectly results in bid-rigging or collusive bidding is presumed to have an AAEC in the relevant market in India and is considered void. The Competition Act also prohibits abuse of a dominant position by any enterprise. We cannot predict with certainty the impact of the provisions of the Competition Act on our agreements at this stage.

On March 4, 2011, the Government of India issued and brought into force the combination regulation (merger control) provisions under the Competition Act with effect from June 1, 2011. These provisions require acquisitions of shares, voting rights, assets or control or mergers or amalgamations that cross the prescribed asset- and turnover-based thresholds to be mandatorily notified to and pre-approved by the Competition Commission of India (the “CCI”). Additionally, on May 11, 2011, the CCI issued the Competition Commission of India (Procedure for Transaction of Business Relating to Combinations) Regulations, 2011 (as amended), which sets out the mechanism for the implementation of the merger control regime in India.

Furthermore, the CCI has extraterritorial powers and can investigate any agreements, abusive conduct or combination occurring outside India if such agreement, conduct or combination has an AAEC in India. The CCI has initiated an inquiry against us and other car manufacturers, collectively referred to hereinafter as original equipment manufacturers (the “OEMs”), pursuant to an allegation that genuine spare parts of automobiles manufactured by the OEMs were not made freely available in the open market in India and, accordingly, anti-competitive practices were carried out by the OEMs.

If we are adversely affected, directly or indirectly, by the application or interpretation of any provision of the Competition Act, or any enforcement proceedings initiated by the CCI, or any adverse publicity that may be generated due to scrutiny or prosecution by the CCI or if any prohibition or substantial penalties are levied under the Competition Act, it could adversely affect our business, financial condition and results of operations.

Compliance with new or changing corporate governance and public disclosure requirements adds uncertainty to our compliance policies and increases our costs of compliance.

We are subject to a complex and continuously changing regime of laws, rules, regulations and standards relating to accounting, corporate governance and public disclosure, including the Sarbanes-Oxley Act of 2002 and U.S. Securities and Exchange Commission (the “SEC”) regulations, Securities and Exchange Board of India (the “SEBI”) regulations, New York Stock Exchange (the “NYSE”) listing rules, and the Companies Act, as well as Indian stock market listing regulations. New or changed laws, rules, regulations and standards may lack specificity and are subject to varying interpretations. Under applicable Indian laws, for example, remuneration packages may, in certain circumstances, require shareholders’ approval. New guidance and revisions may be provided by regulatory and governing bodies, which could result in continuing uncertainty and higher costs of compliance. We are committed to maintaining high standards of corporate governance and public disclosure. However, our efforts to comply with evolving regulations have resulted in, and are likely to continue to result in, increased general and administrative expenses and a diversion of management resources and time.

The Companies Act has effected significant changes to the existing Indian company law framework, such as in the provisions related to the issue of capital, disclosures in offering documents, corporate governance, accounting policies and audit matters, related party transactions, class action suits against companies by shareholders or depositors, prohibitions on loans to directors and insider trading, including restrictions on derivative transactions concerning a company’s securities by directors and key managerial personnel. The Companies Act may subject us to higher compliance requirements, increase our compliance costs and divert management’s attention. We are also required to spend, in each financial year, at least 2% of our average net profits during the three immediately preceding financial years, calculated for Tata Motors Limited on a standalone basis under Ind AS, toward corporate social responsibility activities. Furthermore, the Companies Act imposes greater monetary and other liability on the Company and its Directors for any non-compliance. Due to limited relevant jurisprudence, in the event that our interpretation of the Companies Act differs from, or contradicts with, any judicial pronouncements or clarifications issued by the Government of India in the future, we may face regulatory actions or be required to undertake remedial steps. In addition, some of the provisions of the Companies Act overlap with other existing laws and regulations (such as corporate governance provisions and insider trading regulations issued by SEBI). SEBI promulgated the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 (the “Listing Regulations”) which are applicable to all Indian companies with listed securities or companies intending to list its securities on an Indian stock exchange, and the Listing Regulations became effective on December 1, 2015. Pursuant to the Listing Regulations, the Company is required to establish and maintain a vigilance mechanism for Directors and employees to report their concerns about unethical behavior, actual or suspected fraud or violation of the Company’s code of conduct (the “Tata Code of Conduct”) or ethics policy under our whistleblower policy (the “Whistleblower Policy”), to implement increased disclosure requirements for price sensitive information, to conduct detailed director familiarization programs and comprehensive disclosures thereof, in accordance with the Listing Regulations. The Company may face difficulties in complying with any such overlapping requirements. Furthermore, the Company cannot currently determine the impact of certain provisions of the Companies Act and the revised SEBI corporate governance standards. Any increase in the Company’s compliance requirements or in the Company’s compliance costs may have a material and adverse effect on the Company’s business, financial condition and results of operations.

We are subject to risks associated with legal proceedings and governmental investigations, including potential adverse publicity as a result thereof.

We are and may be involved from time to time in civil, labor, administrative or tax proceedings arising in the ordinary course of business. It is not possible to predict the potential for, or the ultimate outcomes of, such proceedings, some of which may be unfavorable to us. In such cases, we may incur costs and any mitigating measures (including provisions taken on our balance sheet) adopted to protect against the impact of such costs may not be adequate or sufficient. In addition, adverse publicity surrounding legal proceedings, government investigations or allegations may also harm our reputation and brands.

In any of the geographical markets in which we operate, we could be subject to additional tax liabilities.

Evaluating and estimating our provision and accruals for our taxes requires significant judgement. As we conduct our business, the final tax determination may be uncertain. We operate in multiple geographical markets and our operations in each market are susceptible to additional tax assessments and audits. Our collaborations with business partners are similarly susceptible to such tax assessments. Authorities may engage in additional reviews, inquiries and audits that disrupt our operations or challenge our conclusions regarding tax matters. Any resulting tax assessment may be accompanied by a penalty (including revocation of a benefit or exemption from tax) or additional fee for failing to make the initial payment.

Our tax rates may be affected by earnings estimation errors, losses in jurisdictions that do not grant a related tax benefit, changes in currency rates, acquisitions, investments, or changes in laws, regulations, or practices. Additionally, government fiscal or political pressures may increase the likelihood of adverse or aggressive interpretations of tax laws or regulations or the imposition of arbitrary or onerous taxes, interest charges and penalties. Tax assessments may be levied even where we consider our practices to be in compliance with tax laws and regulations. Should we challenge such taxes or believe them to be without merit, we may nonetheless be required to pay them. These amounts may be materially different from our expected tax assessments and could additionally result in expropriation of assets, attachment of additional securities, liens, imposition of royalties or new taxes and requirements for local ownership or beneficiation.

We may have to comply with more stringent foreign investment regulations in India in the event of an increase in shareholding of non-residents or if we are considered as engaged in a sector in which foreign investment is restricted.

Indian companies, which are owned or controlled by non-resident persons, are subject to investment restrictions specified in the Consolidated Foreign Direct Investment Policy (“Consolidated FDI Policy”). Under the Consolidated FDI Policy issued in 2017, an Indian company is considered to be “owned” by non-resident persons if more than 50% of its equity interest is beneficially owned by non-resident persons. The non-resident equity shareholding in the Company may, in the near future, exceed 50%, thereby resulting in the Company being considered as being “owned” by non-resident entities under the Consolidated FDI Policy. In such an event, any investment by the Company in existing subsidiaries, associates or joint ventures and new subsidiaries, associates or joint ventures will be considered as indirect foreign investment and shall be subject to various requirements specified under the Consolidated FDI Policy, including sectoral limits, approval requirements and pricing guidelines, as may be applicable.

Furthermore, as part of our automotive business, we supply, and have in the past supplied, vehicles to Indian military and paramilitary forces and in the course of such activities have obtained an industrial license from the Department of Industrial Policy. The Consolidated FDI policy applies different foreign investment restrictions to companies based upon the sector in which they operate. While we believe we are an automobile company by virtue of the significance of our automobile operations, in the event that foreign investment regulations applicable to the defense sector (including under the Consolidated FDI Policy) are made applicable to us, we may face more stringent foreign investment restrictions and other compliance requirements compared to those applicable to us presently, which, in turn, could materially affect our business, financial condition and results of operations.

We require certain approvals or licenses in the ordinary course of business, and the failure to obtain or retain them in a timely manner, or at all, could materially and adversely affect our operations.

We require certain statutory and regulatory permits, licenses and approvals to carry out our business operations and applications for their renewal need to be made within certain time frames. For some of the approvals that may have expired, we have either made, or are in the process of making, an application for obtaining the approval or its renewal. While we have applied for renewal for such approvals, registrations and permits, we cannot assure you that we will receive them in a timely manner, or at all. We can make no assurances that the approvals, licenses, registrations and permits issued to us would not be suspended or revoked in the event of non-compliance or alleged non-compliance with any terms or conditions thereof, or pursuant to any regulatory action. Furthermore, if we are unable to renew or obtain necessary permits, licenses and approvals on acceptable terms in a timely manner, or at all, our business, financial condition and results of operations could be materially and adversely affected.

Risks Associated with Investments in an Indian Company

Political changes in the Government of India could delay and/or affect the further liberalization of the Indian economy and materially and adversely affect economic conditions in India, generally, and our business, in particular.

Our business could be significantly influenced by economic policies adopted by the Government of India. Since 1991, successive governments have pursued policies of economic liberalization and financial sector reforms.

The Government of India has at various times announced its general intention to continue India’s current economic and financial liberalization and deregulation policies. However, protests against such policies, which have occurred in the past, could slow the pace of liberalization and deregulation. The rate of economic liberalization could change, and specific laws and policies affecting foreign investment, currency exchange rates and other matters affecting investment in India could change as well. While we expect any new government to continue the liberalization of India’s economic and financial sectors and deregulation policies, there can be no assurance that such policies will be continued.

The Government of India has traditionally exercised and continues to exercise influence over many aspects of the economy. Our business and the market price and liquidity of the Company’s Shares and ADSs may be affected by interest rates, changes in policy, taxation, social and civil unrest and other political, economic or other developments in or affecting India.

A change in the Government of India’s economic liberalization and deregulation policies could disrupt business and economic conditions in India generally, and specifically our business and operations, as a substantial portion of our assets are located in India. This could have a material adverse effect on our financial condition and results of operations.

Any downgrading of India’s debt rating by a domestic or international rating agency could negatively impact our business.

Any adverse revisions to India’s credit ratings for domestic and international debt by domestic or international rating agencies could adversely impact our ability to raise additional financing, as well as the interest rates and other commercial terms at which such additional financing is available. This could have a material adverse effect on our financial results, business prospects, ability to obtain financing for capital expenditures and the price of the Company’s Shares and ADSs.

We may be materially and adversely affected by Reserve Bank of India policies and actions.

The Indian stock exchanges are vulnerable to fluctuations based on changes in monetary policy formulated by the Reserve Bank of India (the “RBI”). We can make no assurances about future market reactions to RBI announcements and their impact on the price of the Company’s Shares and ADSs. Furthermore, our business could be significantly impacted were the RBI to make major alterations to monetary or fiscal policy. Certain changes, including the raising of interest rates, could negatively affect our sales and consequently our Revenue, any of which could have a material adverse effect on our financial condition and results of operations.

Rights of shareholders under Indian law may be more limited than under the laws of other jurisdictions.

The memorandum and articles of association of the Company (the “Articles of Association”) and Indian law govern the Company’s corporate affairs. Legal principles relating to these matters and the validity of corporate procedures, directors’ fiduciary duties and liabilities, and shareholders’ rights may differ from those that would apply to a company incorporated in another jurisdiction. Shareholders’ rights under Indian law may not be as extensive as shareholders’ rights under the laws of other countries or jurisdictions, including the United States. You may also have more difficulty in asserting your rights as a shareholder of the Company than you would as a shareholder of a corporation organized in another jurisdiction.

The market value of your investment may fluctuate due to the volatility of the Indian securities market.

Stock exchanges in India, including BSE Limited (the "BSE") have, in the past, experienced substantial fluctuations in the prices of their listed securities. Such fluctuations, if they continue or recur, could affect the market price and liquidity of the securities of Indian companies, including the Company's Shares and ADSs. These problems have included temporary exchange closures, broker defaults, settlement delays and strikes by brokers. Volatility in other stock exchanges, including, but not limited to, those in the United Kingdom and China, may affect the prices of securities in India, including the Company's Shares, which may in turn affect the price of the Company's ADSs. In addition, the governing bodies of the stock exchanges in India have from time to time imposed restrictions on trading in certain securities, limitations on price movements and margin requirements. Furthermore, from time to time, disputes have occurred between listed companies and stock exchanges and other regulatory bodies, which in some cases may have had a negative effect on market sentiment.

There may be a differing level of regulation and monitoring of the Indian securities markets and the activities of investors, brokers and other participants, than in the United States. SEBI received statutory powers in 1992 to assist it in carrying out its responsibility for improving disclosure and other regulatory standards for the Indian securities markets. Subsequently, SEBI has prescribed regulations and guidelines in relation to disclosure requirements, insider dealing and other matters relevant to the Indian securities market. There may, however, be less publicly available information about Indian companies than is regularly made available by public companies in the United States.

Investors may have difficulty enforcing judgments against us or our management.

The Company is a public limited company incorporated in India. The majority of the Company's Directors and executive officers are residents of India and substantially all of the assets of those persons and a substantial portion of the Company's assets are located in India. As a result, it may not be possible for you to effect service of process within the United States upon those persons or the Company. In addition, you may be unable to enforce judgments obtained in courts of the United States against those persons outside the jurisdiction of their residence, including judgments predicated solely upon U.S. federal securities laws. Moreover, it is unlikely that a court in India would award damages on the same basis as a foreign court if an action were brought in India or that an Indian court would enforce foreign judgments if it viewed the amount of damages as excessive or inconsistent with public policy.

Section 44A of the Indian Code of Civil Procedure, 1908, as amended (the "Civil Code") provides that where a foreign judgment has been rendered by a superior court (within the meaning of the section) in any country or territory outside of India which the Government of India has by notification declared to be a reciprocating territory, such foreign judgment may be enforced in India by proceedings in execution as if the judgment had been rendered by an appropriate court in India. However, the enforceability of such judgments is subject to the exceptions set forth in Section 13 of the Civil Code.

Section 44A of the Civil Code is applicable only to monetary decrees not being in the nature of amounts payable in respect of taxes or other charges of a similar nature or in respect of fines or other penalties and does not include arbitration awards.

If a judgment of a foreign court is not enforceable under Section 44A of the Civil Code as described above, it may be enforced in India only by a suit filed upon the judgment, subject to Section 13 of the Civil Code and not by proceedings in execution. Accordingly, as the United States has not been declared by the Government of India to be a reciprocating territory for the purposes of Section 44A, a judgment rendered by a court in the United States may not be enforced in India except by way of a suit filed upon the judgment.

The suit must be brought in India within three years from the date of the judgment in the same manner as any other suit filed to enforce a civil liability in India. Generally, there are considerable delays in the resolution of suits by Indian courts.

A party seeking to enforce a foreign judgment in India is required to obtain prior approval from the RBI, under the Foreign Exchange Management Act, 1999 ("FEMA") to repatriate any amount recovered pursuant to such enforcement. Any judgment in a foreign currency would be converted into Indian rupees on the date of judgment and not on the date of payment.

Risks Associated with the Company’s Shares and ADSs

Fluctuations in the exchange rate between the Indian rupee and the U.S. dollar may have a material adverse effect on the market value of the Company’s ADSs and Shares, independent of our operating results.

The exchange rate between the Indian rupee and the U.S. dollar has changed materially in the last two decades and may materially fluctuate in the future. Fluctuations in the exchange rate between the Indian rupee and the U.S. dollar will affect, among others things, the U.S. dollar equivalents of the price of the Company’s Shares in Indian rupees as quoted on stock exchanges in India and, as a result, may affect the market price of the ADSs. Such fluctuations will also affect the U.S. dollar equivalent of any cash dividends in Indian rupees received on the Shares represented by the ADSs and the U.S. dollar equivalent of the proceeds in Indian rupee of a sale of Shares in India.

Holders of ADSs have fewer rights than shareholders and must act through the depository to exercise those rights.

Although ADS holders have a right to receive any dividends declared in respect of the Shares underlying the ADSs, they cannot exercise voting or other direct rights as a shareholder with respect to the Shares underlying the ADSs. Citibank, N.A. as depository (the “depository”) is the registered shareholder of the deposited Shares underlying the Company’s ADSs, and only the depository may exercise the rights of shareholders in connection with the deposited Shares. The depository will notify ADS holders of upcoming votes and arrange to deliver our voting materials to ADS holders only if requested by the Company. The depository will try, insofar as practicable, subject to Indian laws and the provisions of the Articles of Association, to vote or have its agents vote the deposited securities as instructed by the ADS holders. If the depository receives voting instructions in time from an ADS holder which fails to specify the manner in which the depository is to vote the Shares underlying such ADS holder’s ADSs, such ADS holder will be deemed to have instructed the depository to vote in favor of the items set forth in such voting instructions. If the depository has not received timely instructions from an ADS holder, such ADS holder shall be deemed to have instructed the depository to give a discretionary proxy to a person designated by us, subject to the conditions set forth in the deposit agreement. If requested by the Company, the depository is required to represent all Shares underlying ADSs, regardless of whether timely instructions have been received from such ADS holders, for the sole purpose of establishing a quorum at a meeting of shareholders. In addition, in your capacity as an ADS holder, you will not be able to examine the Company’s accounting books and records, or exercise appraisal rights. Registered holders of the Company’s Shares withdrawn from the depository arrangements will be entitled to vote and exercise other direct shareholder rights in accordance with Indian law. However, a holder may not know about a meeting sufficiently in advance to withdraw the underlying Shares in time. Furthermore, an ADS holder may not receive voting materials, if the Company does not instruct the depository to distribute such materials, or may not receive such voting materials in time to instruct the depository to vote.

For further details on the terms and conditions of the Company’s ADSs and the rights and obligations of the Company’s ADS holders, please see the amended and restated deposit agreement, dated as of September 27, 2004 among the Company, Citibank, N.A., as depository, and all holders and beneficial owners of ADSs issued thereunder, as amended and supplemented by Amendment No. 1, dated as of December 16, 2009, hereinafter referred to as the “deposit agreement,” which is incorporated by reference into this annual report on Form 20-F.

Moreover, pursuant to Indian regulations, the Company is required to offer its shareholders preemptive rights to subscribe for a proportionate number of Shares to maintain their existing ownership percentages prior to the issue of new Shares. These rights may be waived by a resolution passed by at least 75% of the shareholders of the Company present and voting at a general meeting. ADS holders may be unable to exercise preemptive rights for subscribing to these new Shares unless a registration statement under the Securities Act is effective or an exemption from the registration requirements is available to us. The Company’s decision to file a registration statement would be based on the costs, timing, potential liabilities and the perceived benefits associated with any such registration statement and the Company does not commit that it would file such a registration statement. If any issue of securities is made to the shareholders of the Company in the future, such securities may also be issued to the depository, which may sell such securities in the Indian securities market for the benefit of the holders of ADSs. There can be no assurance as to the value, if any, the depository would receive upon the sale of such rights or securities. To the extent that ADS holders are unable to exercise preemptive rights, their proportionate ownership interest in our company would be reduced.