

Truck Body Building Industry.

How to Start a Profitable Automobile Body Building Business



Introduction

Automobile body building is an important activity. The chassis are supplied by Automobile manufacturers, and body is built by automobile body builders. Bus/Truck is used as the most common public transport vehicle in our country. Different State Transport Undertakings are plying their buses for commuting public from one place to another and from one State to another. Apart from these Undertakings, Private Bus Operators, travel agencies etc. are also operating buses on permit basis.

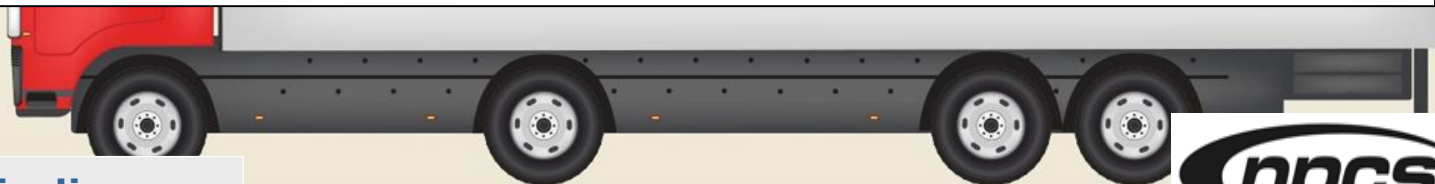


There are two basic types of products: on-road and off-road. On-road truck bodies are designed for vehicles that travel mainly on highways and paved roads. Off-road truck bodies are designed for trucks that travel on unimproved roads or cleared land.

Some truck bodies are designed for vehicles used in mining, agriculture, construction, or farming activities. Others attach to tow trucks and wreckers, delivery vans and vehicles, water sprayers, cable and telephone trucks, and repair equipment



Automobiles body building units generally specialize in a few types of vehicles. For example, a body building workshop of small capacity can undertake either trucks or buses of standard design or mini buses or delivery vans or similar other vehicles used for commercial transportation of goods & passengers. But, sufficiently big auto-body building factories can undertake a range of chassis's for constructing and mounting body on them. Auto-body building involves a lot of structural designs, wood & metal working processes, fastening techniques surface protection measures, arranging various accessories and instruments electrical and safety devices at proper places. Such a factory requires to be fully equipped with full-range of wood/metal working machines and tools, treating and testing equipment's, high level of productivity and quality oriented team and much more facilities indeed. Body building is a labour-oriented work where all calibers of personnel's and hardworking labourers are treated as assets.



Classification of Truck Bodies

Trucks are categorized on the basis of truck body construction like the following:

1. **Flat platform**
2. **Drop side**
3. **Fixed side**
4. **Tipper body**
5. **Tanker body**



(1) Flat Platform

A flat structure consists of a floor blade with edge members and beams which are used to mount the engine and suspension elements. A flatbed truck is made up of a chassis fitted with a platform body on which goods are carried. Cargo is secured on the deck with ropes or sheeting. Flat beds are flexible and can accommodate many different types of loads.

(2) Drop Side Type Body

This type of body follows the main structure of the flat platform body with an addition of timber sides and a tailboard, capable of being drop to assist in loading and unloading.

- A drop side body is a flat platform with hinged sides and tailboard, held in the upright position by fastening to short vertical pillars that are generally removable.**



- The sides are normally made up by interlocking hollow plank sections.

(3) Fixed Side Deck or Half Body

The fixed neck type provides the lightest weight however but a sacrifice on the ability to detach and loading capacity from the front. For the ease of detaching and being faster in achieving this task the low deck has the hydraulic detachable trailers, but they compromise on the weight and length of deck. They are among the most common and versatile used trucks. The hydraulics of this type can be run from the truck auxiliary or pony motor in the neck of the trailer.



(4) Tipper Body

The prime requirement of any tipping body is that it shall be a rigid unit capable of withstanding the rough usage to which the type of body is subjected.

- **A tipper body is attached to a rigid cab chassis and is used to carry a wide range of bulk products, such as gravel, sand and grain.**
- **It is hinged at the rear which allows the front of the truck bed to be raised and the contents set down behind / side the truck.**

(5) Tanker Body

A commodity carried by tanker includes fuel, oils, milk, water, varnish, and edible oils etc. In the case of fuel transport, to ensure safe handling, internal baffle plates are used to cut down the surge of liquid.



A tracker truck is a truck with a trailer that carries liquids. It can be the subject of special regulations if the cargo is classified as hazardous materials such as flammable liquids such as gasoline or diesel or corrosive materials such as acids and liquid fertilizers.

(6) High Side Deck Body

The high deck trucks have their trailer bed situated high above the trailer wheels, which provides a raised uniform platform for the cargo to carry. On the other hand the low deck trucks are those that have two level drops in their deck heights. One drop is immediately after the gooseneck and the other immediately before the rear wheels. The low deck trucks are also better known as the flatbed trailers. As compared to the high deck trucks this drop allows the low deck trucks to be extremely low.



The high deck trucks are more conventional and are basically used for all types of load carriers. When there is no specific unconventional requirement, the high deck trucks prove to be regularly used. The high deck trucks were the first made trucks in the industry and from the learning's and changing requirements of times the low deck trucks were born.

(7) Low Side Deck Body

As soon as the legal machinery started objecting to the loading capacity and volumes of carried equipment the need to have a low deck truck emerged. This led the manufacturers to design the low deck trucks wherein they could actually provide a lower deck in between the gooseneck and rear wheels to cater to transit of high equipment's. This led to the manufacture of the low type.



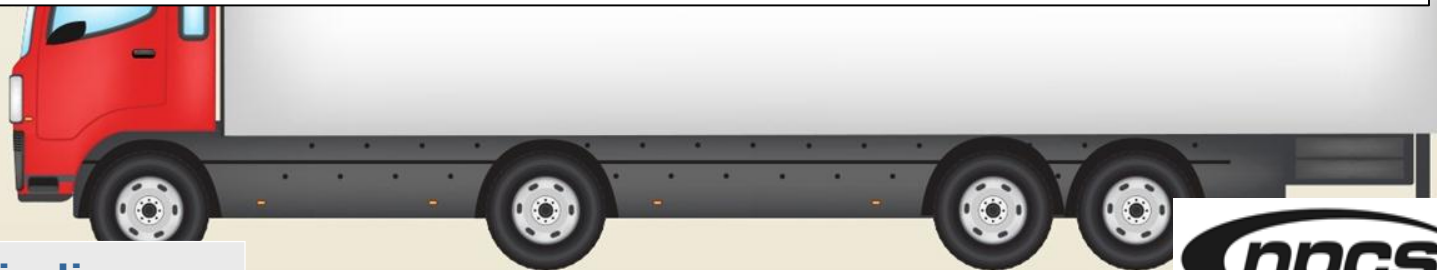
As stated earlier the high deck types are often used to carry the cargo and vehicular loads, on the other hand the low deck comes in various types for a wider range of tasks. Among the low types there is a fixed gooseneck that provides the longer length of deck and is lighter in weight as compared to others.

They have low height than normal with the use of low profile tires. Fixed gooseneck types have drop ramps to help facilitate loading and unloading of equipment. The other type is known as mechanical gooseneck that has second largest length and weight among trucks.



The Low deck trucks have been known to provide the specialty equipment moving as compared to the conventional high deck trucks which are the general movers and have restricted height moving capacities with them. Also with the help of combinations of gooseneck detachment it is extremely easy to unload and load heavy equipment's on the low deck trucks quite a reason as to why the low decks are preferred means these days.

The continuous increase in consumption of these perishable commodities has necessitated the growing demand of trucks for internal distribution of these commodities to different points connected by the vast road network. Transportation of these can be undertaken with by trucks.



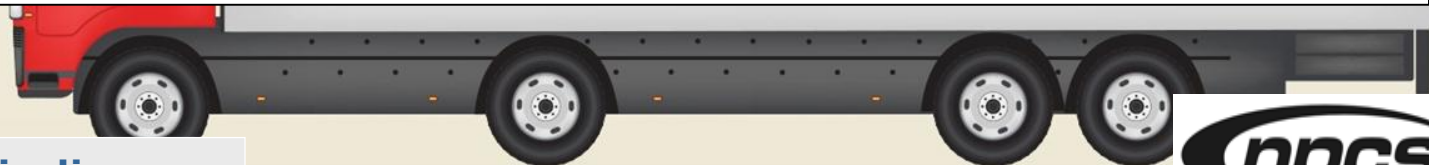
The bus and truck segment in India is poised for substantial growth. The sector is yet to reach its full potential and the current scenario in India's automobile market offers it the chance to do so. According to industry estimates, with 15 lakh buses in private sector and 1.5 lakh buses in public sector, India has about 16.5 lakh buses.

India's passenger vehicles of around 29 million during 2015 are expected to grow to more than 48 million vehicles by 2020. Also, domestic sales of commercial vehicles are expected to grow at a CAGR of 11.6% from 0.6 million in 2015 to more than 2 million by 2026. With the increasing automobile demand, the country is also proportionately expected to witness a surge in sheet metal products used to manufacture these vehicles.



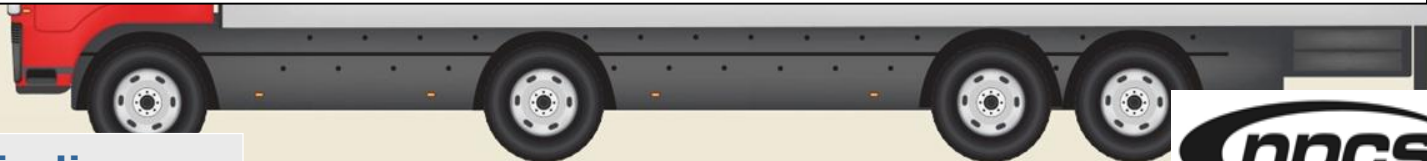
The Indian trucking industry is currently valued at \$130 Bn and there are approximately 5.6 Mn on road vehicles transporting 80% of the country's freight. But is still cudgeling brains over petty issues like lack of drivers, information about new areas, return loads and on-time deliveries & availability of transporters. This is the present state of Indian trucking industry – highly unorganized and highly fragmented.

The Indian truck industry is growing with time and the reason behind its success is the added advantages of the road transport over the rail transport. Trucks may also accept small quantities and can cover the rural and hill areas and that too in comparatively less time than the railways. Moreover, the growth of e-commerce companies and the demand for the goods movement across the country helped in the growth of truck industry.

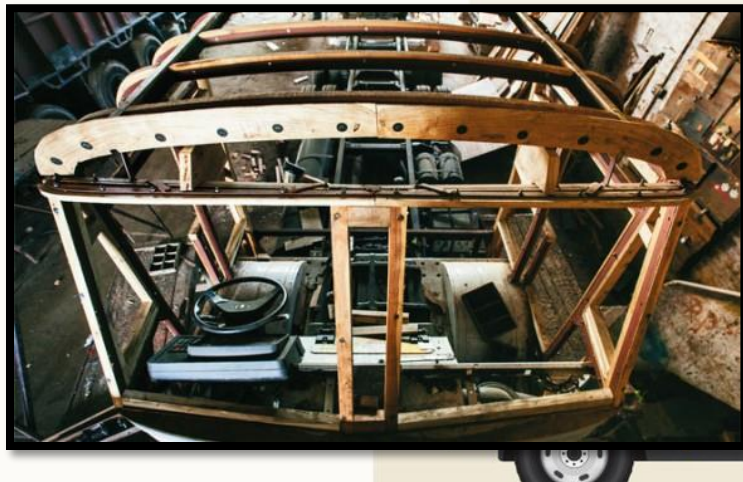


Growth rates vary widely around the globe. Growth is slowing down in large truck markets such as China and most of the Triad countries. On the contrary, India, the ASEAN countries, and Eastern Europe will account for most of the future growth. Central America is showing dynamic growth as well. More than 70% of incremental sales in 2024 will be generated outside the Triad markets. But the solidity of the Triad markets will stabilize the total global truck market in the decade to come.

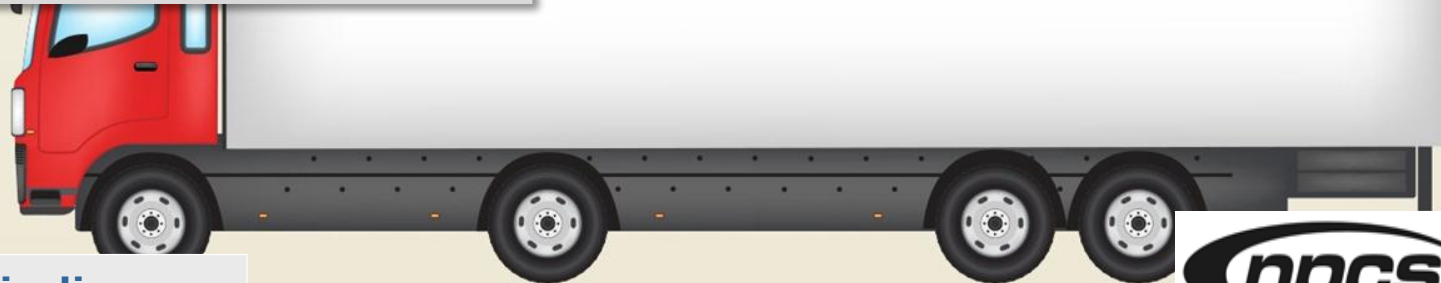
The automotive sector has emerged as one of the major beneficiaries of technological advancement in sensors, and is increasingly adopting different sensor types to upgrade the existing models from the viewpoint of safety and enhanced functionality. The global automotive industry has been experiencing a period of rapid growth and profitability in the past years, opening a wide array of opportunities for modernized technological innovations.



The automotive industry in India has been on a growth trajectory with impressive spikes in sales, production, and exports over the last two years. With an average production of around 24 million vehicles annually and employer of over 29 million people (direct and indirect employment), the automotive sector in India is one of the largest in the world. India is the largest tractor manufacturer, 2nd largest two wheeler manufacturer, 2nd largest bus manufacturer, 5th largest heavy truck manufacturer, 6th largest car manufacturer and 8th largest commercial vehicle manufacturer.



For every vehicle produced, direct and indirect employment opportunities are created with employment of 13 persons for each truck, 6 persons for each car and 4 for each three wheeler and one person for two-wheelers. The USD 93 billion automotive industry contributes 7.1% to India's GDP and almost 49% to the nation's manufacturing GDP (FY 2015-16).



Machinery Photographs



MIG Welding System



Air Compressor





Metal Cutting Bandsaw

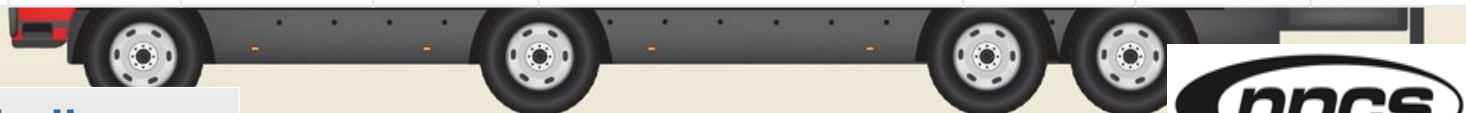


Drilling Machine



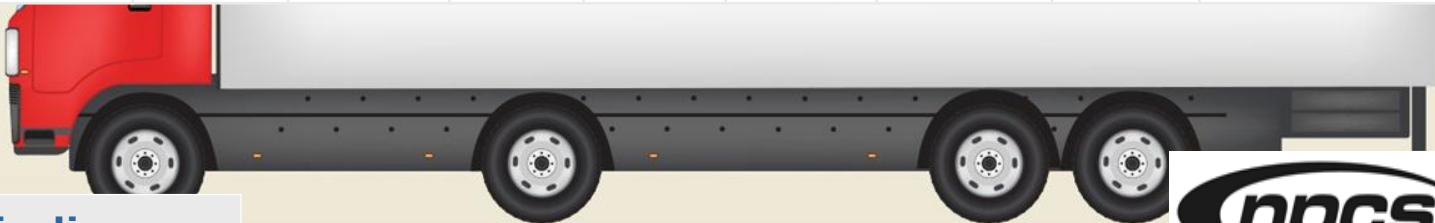
Project at a Glance

PROJECT AT A GLANCE				(` in lacs)			
COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	0.00	0.00	Capital	0.00	77.53	77.53
Buildings	0.00	0.00	0.00	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	155.20	155.20	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	53.50	53.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	15.00	15.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	232.59	232.59
Preliminary& Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	14.00	14.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	61.43	61.43				
TOTAL	0.00	310.13	310.13	TOTAL	0.00	310.13	310.13



Project at a Glance

Year	Annualised		Book Value	Debt	Divide nd	Retained Earnings		Payou t	Probab le Market Price	P/E Ratio	Yield Price/ Book Value
	EPS	CEPS	Per Share		Per Share	Per Share				No.of Times	
	`	`	`	`	`	%	`	%	`		%
1-2	4.86	9.27	14.86	24.00	0.00	100.00	4.86	0.00	4.86	1.00	0.00
2-3	8.21	12.00	23.07	18.00	0.00	100.00	8.21	0.00	8.21	1.00	0.00
3-4	11.51	14.79	34.58	12.00	0.00	100.00	11.51	0.00	11.51	1.00	0.00
4-5	14.63	17.48	49.21	6.00	0.00	100.00	14.63	0.00	14.63	1.00	0.00
5-6	17.53	19.99	66.74	0.00	0.00	100.00	17.53	0.00	17.53	1.00	0.00



Project at a Glance

Year	D. S. C. R.			Debt / Equity - Deposits Debt	Equity as-Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.35	1.35		1.61	1.61	4.89		5.24%	1.79%	1.37%	417.19	15.16%	4.14	1.09
2-3	1.70	1.52		0.78	0.78	3.21		6.03%	2.94%	1.98%	481.10	14.99%	4.33	1.18
3-4	2.11	1.70	2.10	0.35	0.35	2.20		6.56%	3.76%	2.43%	549.70	14.98%	4.33	1.29
4-5	2.60	1.90		0.12	0.12	1.58		6.90%	4.31%	2.75%	618.29	14.98%	4.23	1.40
5-6	3.17	2.10		0.00	0.00	1.20		7.10%	4.68%	2.96%	686.89	14.98%	4.06	1.64

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	65.82%
Total BEP (% of Installed Capacity)	68.60%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	30.11%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	38.288



Major Queries/Questions Answered in the Report?

- 1. What is Truck Body Building industry ?**
- 2. How has the Truck Body Building industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Truck Body Building Business ?**
- 4. What are the requirements of Working Capital for setting up Truck Body Building Business?**



- 5. What is the structure of the Truck Body Building Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Truck Body Building Business?**
- 7. What are the operating costs for setting up Truck Body Building Industry ?**
- 8. What are the machinery and equipment requirements for setting up Truck Body Building Business ?**



9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Truck Body Building Business?

10. What are the requirements of raw material for setting up Truck Body Building Business ?

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- 17. What is the Built up Area Requirement and cost for setting up Truck Body Building Business?**



18. What are the Personnel (Manpower) Requirements for setting up Truck Body Building Business?

19. What is the Process Flow Sheet Diagram of Truck Body Building project?

20. What is the time required to break-even of Truck Body Building Business?

21. What is the Break-Even Analysis of Truck Body Building Business?

22. What are the Project financials of Truck Body Building Business?



- 23. What are the Profitability Ratios of Truck Body Building Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Truck Body Building Business?**
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- 27. What are the Market Opportunities for setting up Truck Body Building Business?**
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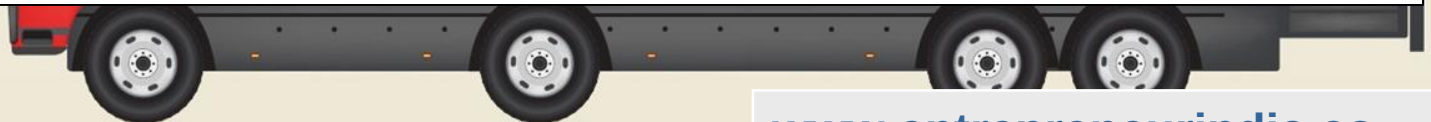
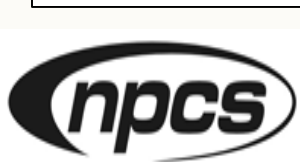
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- 10.2. IS: 15488 – 2004 POWERED INDUSTRIAL TRUCKS – SAFETY SIGNS AND HAZARD PICTORIALS – GENERAL PRINCIPLES
- 10.3. IS: 14771 – 2000 AUTOMOTIVE VEHICLES – METHOD OF MEASURING TYRE ROLLING CIRCUMFERENCE – LOADED NEW TRUCK AND BUS TYRES
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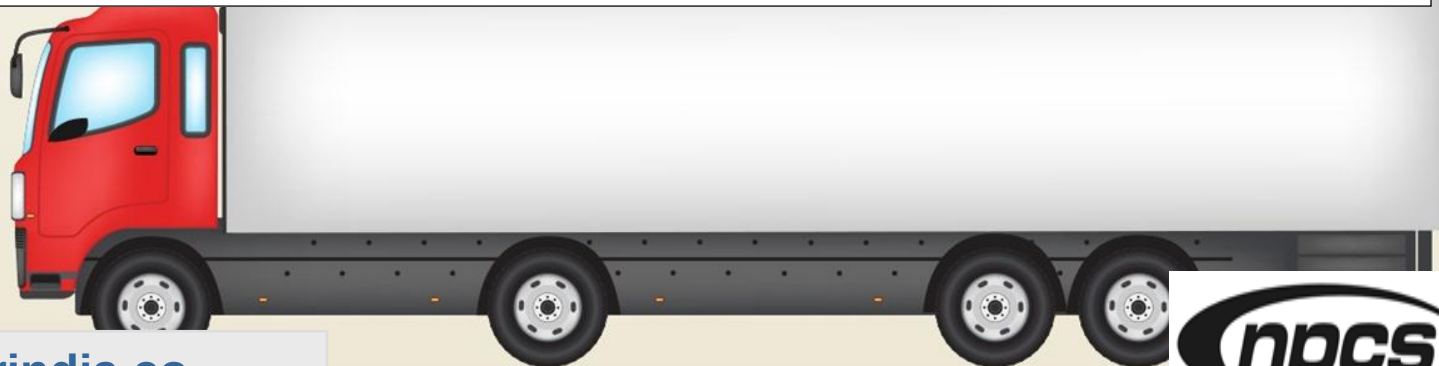
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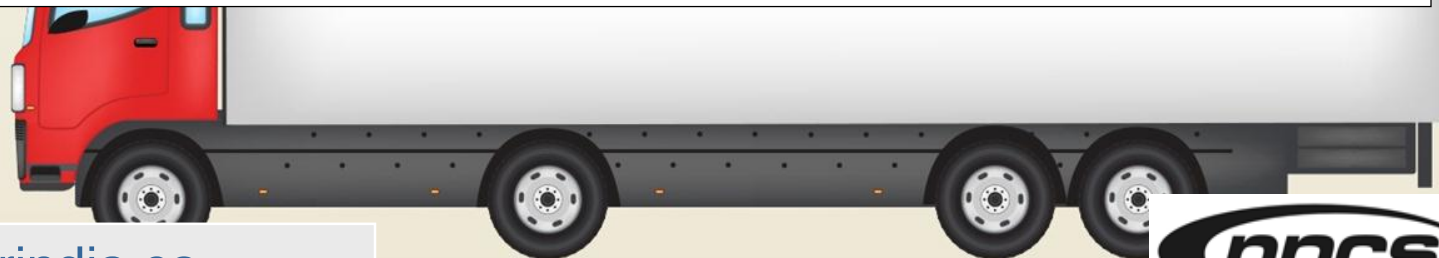


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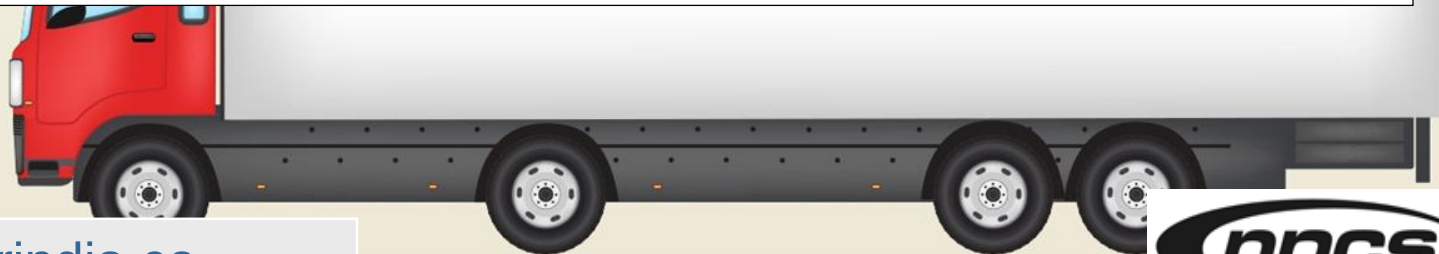
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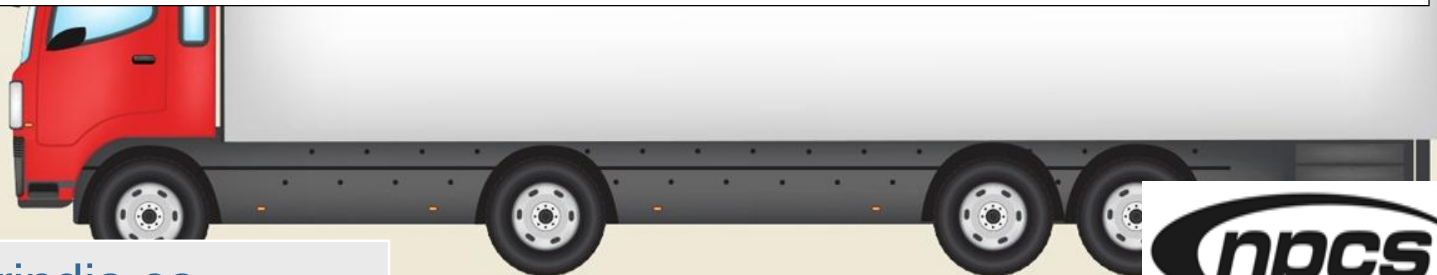
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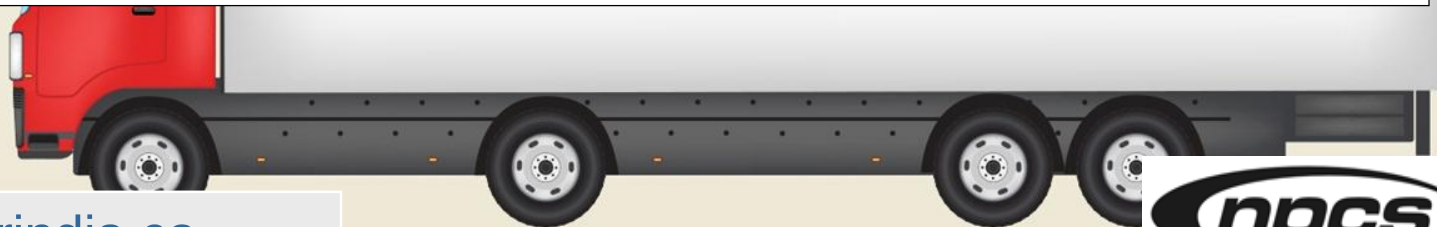
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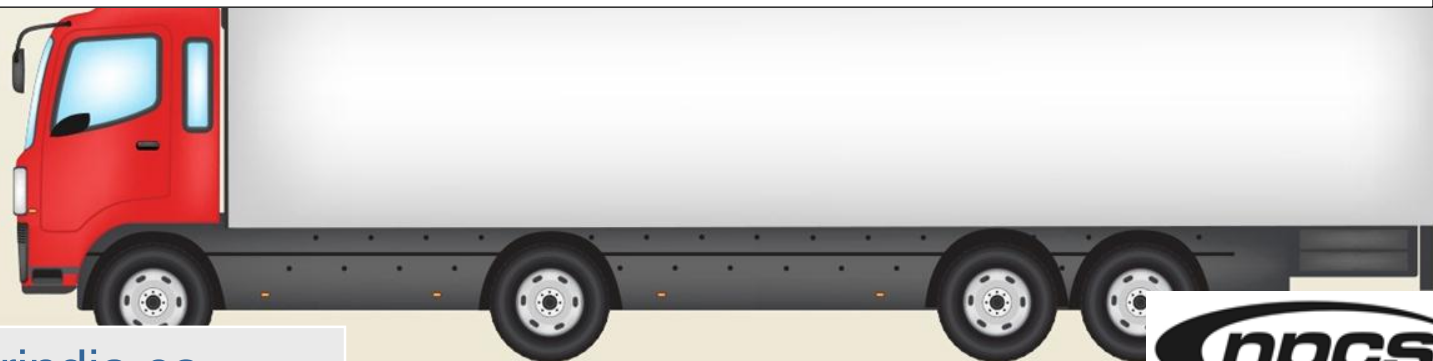
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- **Annexure 29 :: Depreciation Charges – as per Books (Total)**
- **Annexure 30 :: Depreciation Charges – as per Books (P & M)**
- **Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)**
- **Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)**
- **Annexure 33 :: Interest and Repayment - Term Loans**
- **Annexure 34 :: Tax on Profits**
- **Annexure 35 :: Projected Pay-Back Period and IRR**



Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**



- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**



Our Approach:

- Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.
- The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players
- We use reliable sources of information and databases. And information from such sources is processed by us and included in the report

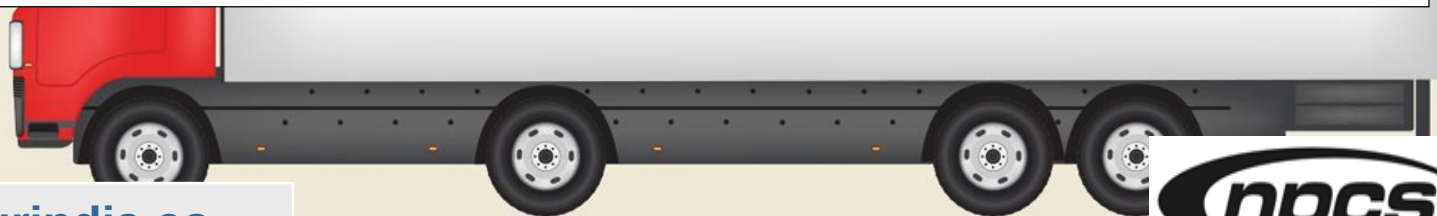


Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Truck Body Building.” provides an insight into Truck Body Building market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Truck Body Building project. The report assesses the market sizing and growth of the Indian Truck Body Building Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Truck Body Building sector in India along with its business prospects. Through this report we have identified Truck Body Building project as a lucrative investment avenue.



Tags

Truck Body Building, Truck Body Building Cost, Chassis Engineering & Bodybuilding, Becoming a Vehicle Body Builder, Truck Body Building Industry, How to Become a Vehicle Body Builder, Commercial Body Building, Automobile Body Building, Truck Body Building Business, Vehicle Body Building, Truck Body Building Project Report, Project Report on Bus & Truck Body-Building, Truck Manufacturing Process, Body Building Project, Truck Industry, Vehicle Manufacturing, Commercial Vehicle Industry, Truck Production, How to Start a Trucking Company, Truck Manufacturing Plant, Project Report on Truck Manufacturing Industry, Detailed Project Report on Truck Body Building, Project Report on Truck Body Building, Pre-Investment Feasibility Study on Truck Body Building, Techno-Economic feasibility study on Truck Body Building, Feasibility report on Truck Body Building, Free Project Profile on Truck Body Building, Project profile on Truck Body Building, Download free project profile on Truck Body Building

Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
Truck Body Building Industry.
How to Start a Profitable Automobile
Body Building Business

See more

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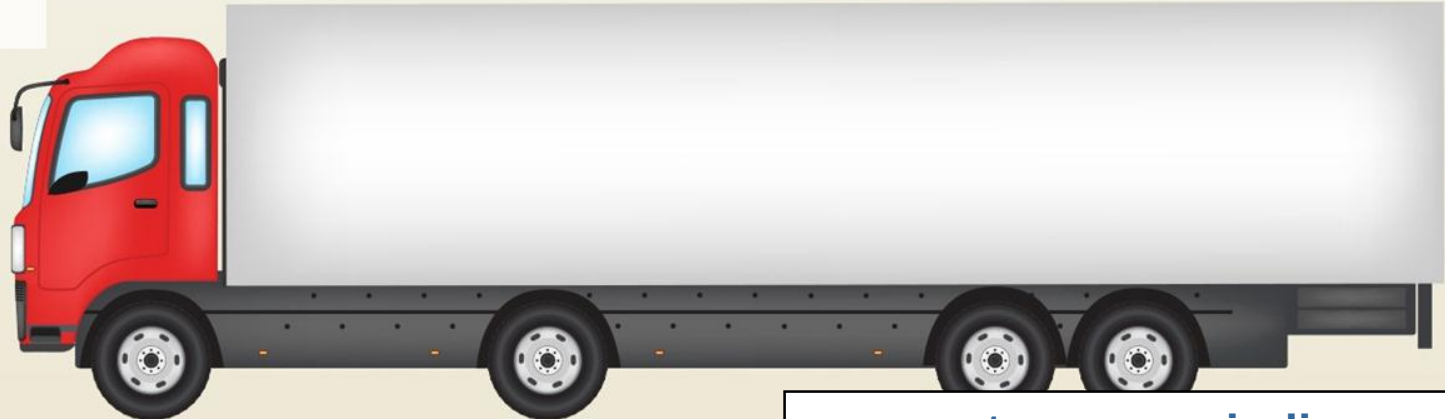
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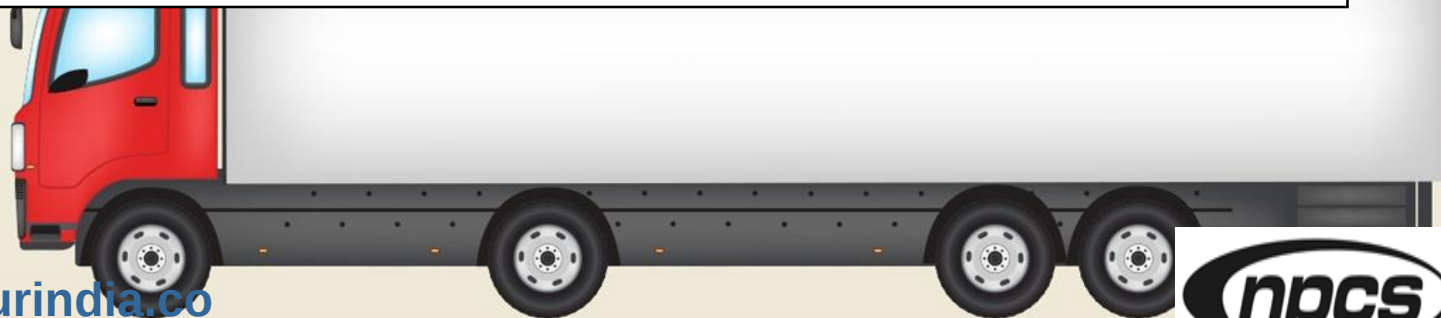
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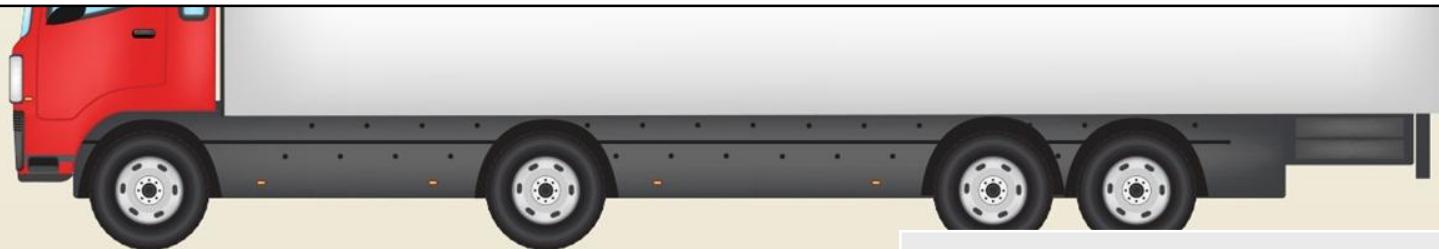
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Free Instant Online Project Identification and Selection Service

Our Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.....[Read more](#)

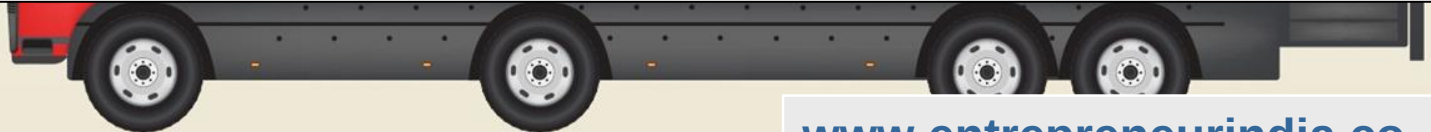


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NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.



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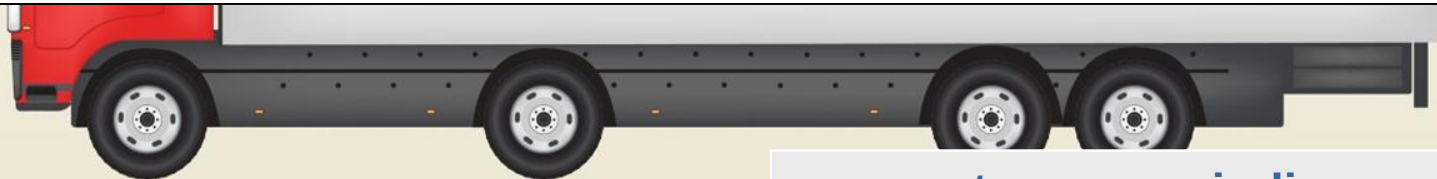
- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,



Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](http://www.entrepreneurindia.co)



Contact us

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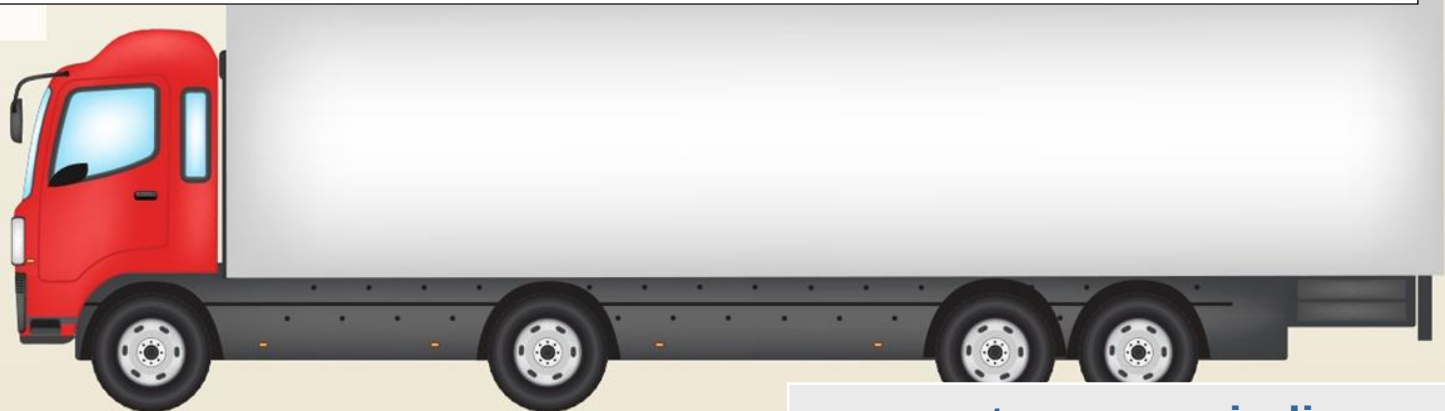
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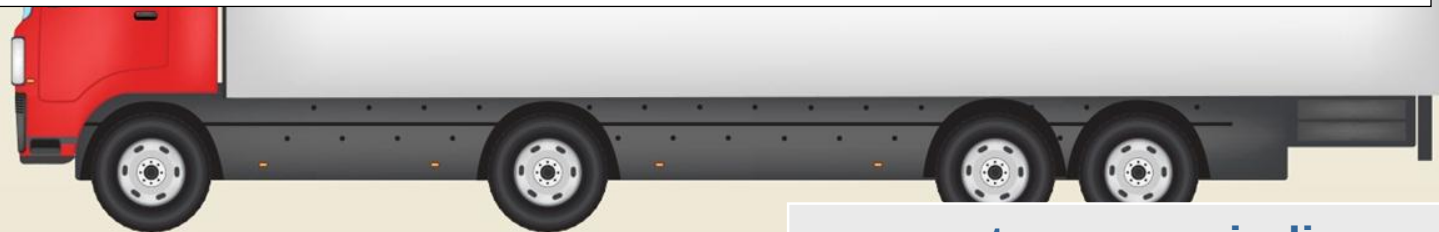
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Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.



We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.



What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*



How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*



Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



Contact us

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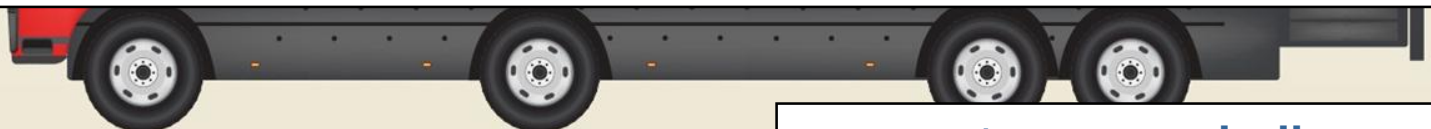
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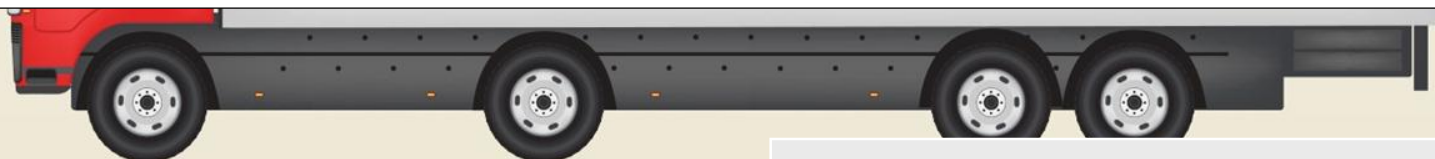
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