

Investment Opportunity

in

Bicycle and Cycle Rickshaw

Manufacturing Industry.

Best Industry for Starting a Business.

Introduction

Bicycles are one of the world's most popular modes of transportation, with some 800 million bicycles outnumbering cars by two to one. Bicycles are also the most energy-efficient vehicle—a cyclist burns about 35 calories per mile (22 calories per km), while an automobile burns 1,860 calories per mile (1,156 calories per km). Bicycles are used not only for transportation, but for fitness, competition, and touring as well. They come in myriad shapes and styles, including racing bikes, all-terrain bikes, and stationary bicycles, as well as unicycles, tricycles, and tandems.



Bicycles are widely used for transportation, recreation, and sport. Throughout the world, bicycles are essential to moving people and goods in areas where there are few automobiles.

Intensifying traffic congestion issue and elevating fuel prices are foreseen to remain the key factors driving the need for cycling, and raising the demand for bicycles thereby. Growing health concerns among consumers, in addition to surging acceptance of green transportation in an effort to reduce carbon footprint, will play a pivotal role in the growth of global bicycle market in next eight years.

Moreover, increasing government support encouraging adoption of bicycles and rapid development of dedicated cycling infrastructure in developed as well as developing economies will reportedly push the sales of bicycles in upcoming years.

A growing application base of bicycles in trekking and recreational activities, coupled with a soaring number of cycling events will specifically uplift the demand for sports bicycles in near future.

A bicycle is a common mode of transport for people in rural areas particularly within low income societies, but is continuously gaining traction in urban areas as well especially among successful and affluent people. The Indian bicycle market comprises of mainly roadsters, fancy, kids and other types of bicycles. Other bicycles include cycles meant for different purposes like mountain bikes, sports bike, hybrid bike, touring bike, etc. The categorization of bicycle market can be done based on end user viz. retail sector and institutional sector. Retail sector encompasses residents or people who buy bicycles for their personal use or for their near and dear ones from retail outlets. Whereas institutional sales are usually done in bulk and the prospective customers include Central or State Governments or societies or clubs at times.

The bicycle market in India is projected to grow at a CAGR of over 11%, during 2016-2021, on account of growing population base, increasing discretionary spending and rising health consciousness among people. In India, cycling is being swiftly adopted as a means to stay fit and as a popular recreational activity. Further, many of state governments have started construction of dedicated bicycle lanes in major cities to encourage cycling, as an environment friendly means of transportation.



Large share of the country's total population is based in rural areas, where roadster bicycle is an important mode of transportation. With constant increase in volume demand for roadster bicycles in India, the segment is anticipated to continue dominating India bicycle market. Due to unavailability of efficient transportation facilities and appropriate road network in rural part of India, roadster bicycles are extensively used for transportation. Moreover, many state governments have also distributed bicycles to school children

India, one of the fastest growing economies in the world, is witnessing high demand for sports bicycle.



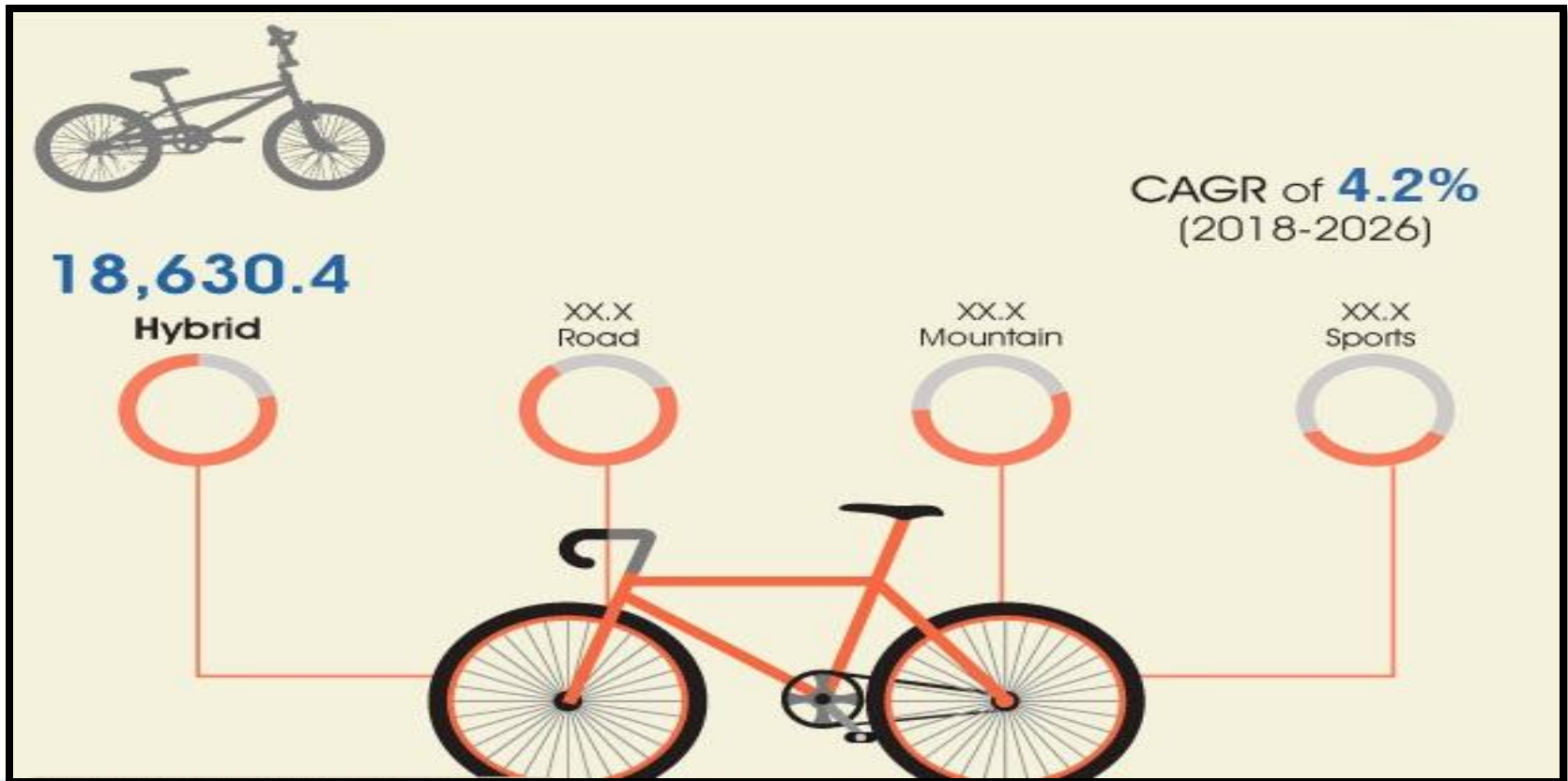
Growing focus on fitness and health, and increasing trend of using cycles to commute to work is projected drive sales of sports bicycles in the country during the coming years. On the back of growing demand for sports bicycles in the country, many international players have introduced their products in India bicycle market. Although, India has emerged as one of the major manufacturers of bicycles in the world, the country imports considerable number of high-end or premium bicycles from other countries to address domestic demand for high end bicycles.



As sharing and rental services are currently gaining higher traction in the global bicycle market, stakeholders are increasingly striving to adapt to this trend. Moreover, a large number of corporate embracing cycling as a sustainable alternative to commute will be a significant factor impacting the sales of bicycles in next few years. At a moderate CAGR of 4.2%, the global market for bicycle will attain the revenue approaching US\$ 80 Bn during 2018-2026. The market was valued at around US\$ 55 Bn in 2017 and holds optimistic growth prospects over the assessment period.



Global Bicycle Market Value, By Product Type, 2017 (US\$ Mn)

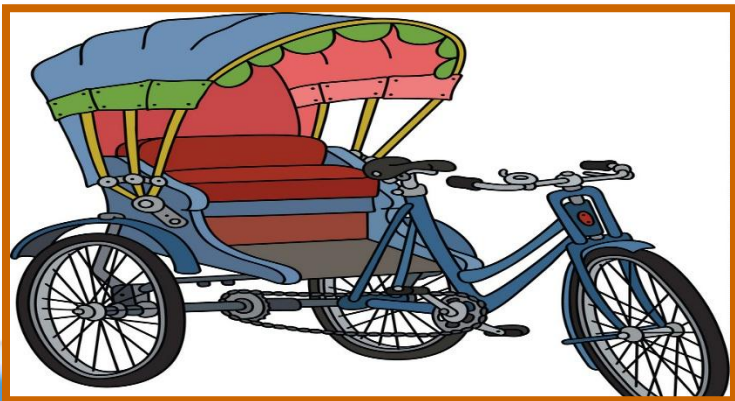


The global bicycle market is expected to grow moderately over the next few years. Adoption of a healthy lifestyle among people has given rise to fitness consciousness. Increasing popularity of mountain biking as a sport has propelled the sales of marketing bikes. Additionally, rising fuel costs, increased congestion on roads, lack of parking space, etc., are some of the drivers expected to spur bicycle market growth. Another key factor that is expected to drive this market is the increased focus on eco-friendly means of transportation in order to curb pollution. Bicycles are emerging as alternatives for shorter distance transportation that cause no pollution. Moreover, regulatory initiatives to promote cycling in order to reduce harmful carbon emissions and noise pollution are expected to be favorable for industry growth.

In most of the developed countries, there has been a strong cycling facilities construction and bicycle facilities have received good support from the Governments. High energy efficiency along with perception of cycling as a fitness activity has contributed to increase in demand. Increasing costs of raw materials and growing demand and popularity of fuel driven bikes or motor bikes may hamper market growth in the coming years. The absence of cycling tracks in most parts of developing countries like India due to saturation of road width and inability of further road expansion can be a hindrance to the growth of this market.



The **Cycle Rickshaw** is a small-scale local means of transport; it is also known by a variety of other names such as bike taxi, velotaxi, pedicab, bikecab, cyclo, beca, becak, trisikad, or trishaw. A Cycle Rickshaw is often hailed as environment-friendly and an inexpensive mode of transportation. Since it is considered as Indian traditional ride they are almost used in each and every part of India which includes villages, small towns, metros, heritage sites etc. In metros these are used inside institutional areas, market places and also in narrow and crowded lanes where there is accessibility problem for vehicles.



Cycle Rickshaw

- **Doorstep service.**
- **Convenient for Local Shopping.**
- **Important Source of livelihood for the Poor.**
- **Cost Efficient.**
- **Poor Man's Taxi.**
- **Safe Transport for Local Schools.**
- **Use for Garbage Collection.**
- **Inexpensive and convenient mode of carrying goods over short distances.**
- **A Tourist Attraction.**

- **A Home and Rest Place Away from Home.**
- **They do not require petroleum fuel and are thus inherently non-polluting.**

There are guesstimates that close to 1 million cycle rickshaws ply on the Indian roads carrying about 3-4 billion passengers-km/year. In some cities they are the major means of transport. They provide employment to about 700,000 rickshaw pullers, are very maneuverable and are completely non-polluting and hence environmentally friendly means of transport. It is very unfortunate that deliberate policies in most of the urban towns have been made by the concerned authorities to phase out these rickshaws.

Hence these nonpolluting vehicles are being replaced by polluting (both air and noise wise) petrol and diesel powered 3wheelers. One of the reasons for authorities to phase out these rickshaws is because they are considered humanly degrading. An electric cycle rickshaw can take care of this issue besides providing extra income to a rickshaw puller.

Cycle rickshaws also play a crucial role in employment and poverty alleviation in many countries in Asia. In most developing countries, the rickshaw pullers are migrant workers from rural areas looking for employment in urban areas. Rickshaws are one of the most important contributors to the Bangladeshi economy; nearly 6 % of Bangladesh's GDP is contributed by rickshaw pullers. Around 20 % of the Bangladeshi population relies directly or indirectly on rickshaw pulling.

Machinery Photographs



Welding Machines



Coil Holder



Rim Polishing Machine



Rim Profiling 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	250.00	250.00	Capital	0.00	381.34	381.34
Buildings	0.00	585.00	585.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	336.20	336.20	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	15.00	15.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	113.50	113.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	50.00	50.00	Internal Cash			
Franchise & Other Deposits	0.00	0.00	0.00	Accruals	0.00	0.00	0.00
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Long/Medium Term Borrowings	0.00	1144.01	1144.01
Provision for Contingencies	0.00	30.00	30.00	Debentures / Bonds	0.00	0.00	0.00
Margin Money - Working Capital	0.00	140.65	140.65	Unsecured Loans/Deposits	0.00	0.00	0.00
			1525.3				
TOTAL	0.00	1525.35	51525.3	TOTAL	0.00	1525.35	1525.35

Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS	Per Share		Per Share	Per Share		%		No.of Times	%
1-2	5.87	9.31	15.87	24.00	0.00	100.00	5.87	0.00	5.87	1.00	0.00
2-3	8.52	11.55	24.38	18.00	0.00	100.00	8.52	0.00	8.52	1.00	0.00
3-4	11.42	14.10	35.80	12.00	0.00	100.00	11.42	0.00	11.42	1.00	0.00
4-5	14.25	16.62	50.05	6.00	0.00	100.00	14.25	0.00	14.25	1.00	0.00
5-6	16.96	19.06	67.00	0.00	0.00	100.00	16.96	0.00	16.96	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		1.51	1.51	6.75	4.37%	1.75%	1.17%	1691.52	8.87%	4.11	1.01	
2-3	1.64	1.49		0.74	0.74	4.83	4.75%	2.25%	1.46%	1949.80	8.76%	4.13	1.06	
3-4	2.03	1.66	2.03	0.34	0.34	3.54	5.00%	2.68%	1.71%	2227.78	8.76%	4.13	1.12	
4-5	2.48	1.84		0.12	0.12	2.70	5.17%	2.99%	1.90%	2505.76	8.76%	4.07	1.19	
5-6	3.02	2.03		0.00	0.00	2.14	5.29%	3.21%	2.03%	2783.74	8.75%	3.97	1.31	

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	60.26%
Total BEP (% of Installed Capacity)	63.14%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	27.45%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	36.255

Major Queries/Questions Answered in the Report?

- 1. What is Bicycle and Cycle Rickshaw Manufacturing industry ?**
- 2. How has the Bicycle and Cycle Rickshaw Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Bicycle and Cycle Rickshaw Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Bicycle and Cycle Rickshaw Manufacturing plant ?**

- 5. What is the structure of the Bicycle and Cycle Rickshaw Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Bicycle and Cycle Rickshaw Manufacturing Business?**
- 7. What are the operating costs for setting up Bicycle and Cycle Rickshaw Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Bicycle and Cycle Rickshaw Manufacturing plant ?**

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Bicycle and Cycle Rickshaw Manufacturing plant ?

10. What are the requirements of raw material for setting up Bicycle and Cycle Rickshaw Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Bicycle and Cycle Rickshaw Manufacturing Business?

12. What is the Manufacturing Process of Bicycle and Cycle Rickshaw?

- 13. What is the total size of land required for setting up Bicycle and Cycle Rickshaw Manufacturing plant ?**
- 14. What will be the income and expenditures for Bicycle and Cycle Rickshaw Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Bicycle and Cycle Rickshaw Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up Bicycle and Cycle Rickshaw Manufacturing plant?**
- 17. What is the Built up Area Requirement and cost for setting up Bicycle and Cycle Rickshaw Manufacturing Business?**

18. What are the Personnel (Manpower) Requirements for setting up Bicycle and Cycle Rickshaw Manufacturing Business?

19. What are Statistics of Import & Export for Bicycle and Cycle Rickshaw?

20. What is the time required to break-even of Bicycle and Cycle Rickshaw Manufacturing Business?

21. What is the Break-Even Analysis of Bicycle and Cycle Rickshaw Manufacturing plant?

22. What are the Project financials of Bicycle and Cycle Rickshaw Manufacturing Business?

- 23. What are the Profitability Ratios of Bicycle and Cycle Rickshaw Manufacturing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Bicycle and Cycle Rickshaw Manufacturing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Bicycle and Cycle Rickshaw Manufacturing plant?**
- 26. What is the Process Flow Sheet Diagram of Bicycle and Cycle Rickshaw Manufacturing project?**

- 27. What are the Market Opportunities for setting up Bicycle and Cycle Rickshaw Manufacturing plant?**
- 28. What is the Market Study and Assessment for setting up Bicycle and Cycle Rickshaw Manufacturing Business?**
- 29. What is the Plant Layout for setting up Bicycle and Cycle Rickshaw Manufacturing Business?**

Table of Contents of the Project Report

1. INTRODUCTION

2. PARTS OF BICYCLE

3. PARTS OF CYCLE RICKSHAW

4. TYPES OF BICYCLE

5. TYPES OF CYCLE RICKSHAW

- 5.1. FRONT LOADING RICKSHAW
- 5.2. PASSENGER/ PULLED RICKSHAW
- 5.3. LOADING RICKSHAW
- 5.4. SCHOOL RICKSHAW

6. USES & APPLICATIONS

- 6.1. BICYCLE
- 6.2. CYCLE RICKSHAW

7. PROPERTIES

- 7.1. BICYCLE
- 7.2. CYCLE RICKSHAW

8. MAINTENANCE AND REPAIR

9. ENVIRONMENTAL IMPACT

- 9.1. LEGAL REQUIREMENTS
- 9.2. LICENSES HEAVILY CONTROLLED FOR CYCLE RICKSHAW
- 9.3. MATERIAL SELECTION

10. B.I.S SPECIFICATIONS

- 10.1. IS 624: 2003 BICYCLES — RIMS — SPECIFICATION (FOURTH REVISION)
- 10.2. IS 625: 2006 BICYCLE – HANDLE – BARS – SPECIFICATION (THIRD REVISION)
- 10.3. IS 626: 2009 BICYCLE - SEAT PILLARS – SPECIFICATION (THIRD REVISION)
- 10.4. IS 6218: 2008 BICYCLE – MUDGUARDS – SPECIFICATION (FIRST REVISION)

11. MARKET SURVEY

- 11.1. BICYCLES
- 11.2. PRESENT STATUS OF CYCLE RICKSHAW
- 11.3. NEWLY EMERGING INDICATORS
- 11.4. LEADING BRANDS
- 11.5. MARKET STRUCTURE

12. EXPORT & IMPORT: ALL COUNTRIES

- 12.1. BICYCLES EXPORT: ALL COUNTRIES
- 12.2. BICYCLES IMPORT: ALL COUNTRIES
- 12.3. CYCLES RICKSHAW EXPORT: ALL COUNTRIES
- 12.4. CYCLES RICKSHAW IMPORT: ALL COUNTRIES

13. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

- 13.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
- 13.2. PROFITS & APPROPRIATIONS
- 13.3. TOTAL LIABILITIES
- 13.4. TOTAL ASSETS
- 13.5. NET CASH FLOW FROM OPERATING ACTIVITIES
- 13.6. SECTION – I
 - 13.6.1. Name of Company with Contact Details
 - 13.6.2. Name of Director(S)

- 13.6.3. Plant Capacity
- 13.6.4. Location of Plant
- 13.6.5. Name of Raw Material(S) Consumed with Quantity & Cost
- 13.7. SECTION – II
- 13.7.1. Assets
- 13.7.2. Cash Flow
- 13.7.3. Cost as % Ge of Sales
- 13.7.4. Forex Transaction
- 13.7.5. Growth in Assets & Liabilities
- 13.7.6. Growth in Income & Expenditure
- 13.7.7. Income & Expenditure
- 13.7.8. Liabilities
- 13.7.9. Liquidity Ratios
- 13.7.10. Profitability Ratio
- 13.7.11. Profits
- 13.7.12. Return Ratios
- 13.7.13. Structure of Assets & Liabilities (%)
- 13.7.14. Working Capital & Turnover Ratios

14. EXPORT & IMPORT STATISTICS DATA OF INDIA

- 14.1. EXPORT STATISTICS DATA ON CYCLE RICKSHAW
- 14.2. IMPORT STATISTICS DATA ON CYCLE RICKSHAW
- 14.3. EXPORT STATISTICS DATA ON BICYCLE
- 14.4. IMPORT STATISTICS DATA ON BICYCLE

15. PRESENT MANUFACTURERS

16. ASSEMBLING OF CYCLE RICKSHAW

- 16.1. CONCEPT TO FINAL DESIGN
- 16.2. STRUCTURE AND DIMENSIONS OF CYCLE RICKSHAW

17. MANUFACTURING PROCESS

- 17.1. MATERIAL PREPARATION
- 17.2. ASSEMBLING PROCESS
- 17.3. PRODUCTION PROCESS OF BICYCLE AND CYCLE RICKSHAW FRAME
- 17.4. PRODUCTION PROCESS OF RIM
- 17.5. PRODUCTION PROCESS OF FORK
- 17.6. TESTS
- 17.7. PRODUCTION PROCESS OF MUDGUARD

18. ASSEMBLING PROCESS OF BICYCLE

19. PROCESS FLOW DIAGRAM

- 19.1. ASSEMBLING PROCESS FLOW DIAGRAM OF BICYCLE
- 19.2. PROCESS FLOW DIAGRAM OF BICYCLE FRAME
- 19.3. FLOW DIAGRAM OF FINISHING PROCESS
- 19.4. PROCESS FLOW DIAGRAM OF RIM
- 19.5. ASSEMBLING PROCESS FLOW DIAGRAM OF CYCLE RICKSHAW

20. TESTS AND TEST PROCEDURES

21. PLANT & MACHINERIES WITH SPECIFICATIONS

- 21.1. FOR BICYCLE WHEEL RIM
- 21.2. FOR FRAME AND FORK

22. BUYER'S LIST

- 22.1. CONTACT DETAILS OF BUYER'S
- 22.2. NAME OF DIRECTOR(S)
- 22.3. PLANT CAPACITY
- 22.4. LOCATION OF PLANT
- 22.5. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

23. SUPPLIERS OF PLANT & MACHINERY

24. SUPPLIERS OF RAW MATERIAL

25. PHOTOGRAPHS/IMAGES FOR REFERENCE

- 25.1. PRODUCT PHOTOGRAPHS
- 25.2. MACHINERY PHOTOGRAPHS
- 25.3. RAW MATERIAL PHOTOGRAPHS

26. PLANT LAYOUT

27. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIER

Project Financials

• Project at a Glance	Annexure
• Assumptions for Profitability workings	1
• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	

- **Plant & Machinery.....5**
 - Indigenous Machineries**
 - Other Machineries (Miscellaneous, Laboratory etc.)**

- **Other Fixed Assets.....6**
 - Furniture & Fixtures**
 - Pre-operative and Preliminary Expenses**
 - Technical Knowhow**
 - Provision of Contingencies**

- **Working Capital Requirement Per Month.....7**
 - Raw Material**
 - Packing Material**
 - Lab & ETP Chemical Cost**
 - Consumable Store**

- **Overheads Required Per Month and Per Annum.....8**
 - Utilities & Overheads (Power, Water and Fuel Expenses etc.)**
 - Royalty and Other Charges**
 - Selling and Distribution Expenses**

- **Salary and Wages9**

- **Turnover Per Annum10**

- **Share Capital.....11**
 - Equity Capital**
 - Preference Share Capital**

- **Annexure 1 :: Cost of Project and Means of Finance**
- **Annexure 2 :: Profitability and Net Cash Accruals**
 - **Revenue/Income/Realisation**
 - **Expenses/Cost of Products/Services/Items**
 - **Gross Profit**
 - **Financial Charges**
 - **Total Cost of Sales**
 - **Net Profit After Taxes**
 - **Net Cash Accruals**

• **Annexure 3 :: Assessment of Working Capital requirements**

- **Current Assets**
- **Gross Working Capital**
- **Current Liabilities**
- **Net Working Capital**
- **Working Note for Calculation of Work-in-process**

• **Annexure 4 :: Sources and Disposition of Funds**

- **Annexure 5 :: Projected Balance Sheets**

- **ROI (Average of Fixed Assets)**
- **RONW (Average of Share Capital)**
- **ROI (Average of Total Assets)**

- **Annexure 6 :: Profitability Ratios**

- **D.S.C.R**
- **Earnings Per Share (EPS)**
- **Debt Equity Ratio**

• **Annexure 7 :: Break-Even Analysis**

- **Variable Cost & Expenses**
- **Semi-Variable/Semi-Fixed Expenses**
- **Profit Volume Ratio (PVR)**
- **Fixed Expenses / Cost**
- **B.E.P**

- **Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume**

- **Resultant N.P.B.T**
- **Resultant D.S.C.R**
- **Resultant PV Ratio**
- **Resultant DER**
- **Resultant ROI**
- **Resultant BEP**

- **Annexure 12 :: Shareholding Pattern and Stake Status**

- **Equity Capital**

- **Preference Share Capital**

- **Annexure 13 :: Quantitative Details-Output/Sales/Stocks**

- **Determined Capacity P.A of Products/Services**

- **Achievable Efficiency/Yield % of Products/Services/Items**

- **Net Usable Load/Capacity of Products/Services/Items**

- **Expected Sales/ Revenue/ Income of Products/ Services/ Items**

- **Annexure 14** :: **Product wise Domestic Sales Realisation**
- **Annexure 15** :: **Total Raw Material Cost**
- **Annexure 16** :: **Raw Material Cost per unit**
- **Annexure 17** :: **Total Lab & ETP Chemical Cost**
- **Annexure 18** :: **Consumables, Store etc.**
- **Annexure 19** :: **Packing Material Cost**
- **Annexure 20** :: **Packing Material Cost Per Unit**

- **Annexure 21** :: **Employees Expenses**
- **Annexure 22** :: **Fuel Expenses**
- **Annexure 23** :: **Power/Electricity Expenses**
- **Annexure 24** :: **Royalty & Other Charges**
- **Annexure 25** :: **Repairs & Maintenance Expenses**
- **Annexure 26** :: **Other Manufacturing Expenses**
- **Annexure 27** :: **Administration Expenses**
- **Annexure 28** :: **Selling Expenses**

- **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 Bicycle and Cycle Rickshaw.” provides an insight into Bicycle and Cycle Rickshaw market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Bicycle and Cycle Rickshaw project. The report assesses the market sizing and growth of the Indian Bicycle and Cycle Rickshaw 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 Bicycle and Cycle Rickshaw sector in India along with its business prospects. Through this report we have identified Bicycle and Cycle Rickshaw project as a lucrative investment avenue.

Tags

Bicycle Manufacturing Process Pdf, Bicycle Manufacturing Project Report, How are Bicycles made? Bicycle Manufacturing Business Plan, Manufacturing Process of Bicycle, Bicycle Industry, Bicycle Manufacture Business Plan, Bicycle Manufacturing, Bicycle Manufacture, Bicycle Manufacturing Industry, How to Start Bicycle Factory, Bicycle Manufacturing Industry, Bicycle Production, Cost of Setting Up a Bicycle Manufacturing Plant, Bicycle Plant, Project Profile on Bicycle Production, Rickshaw Manufacturing Company, How to Start Rickshaw Manufacturing Business, Bicycle Manufacturing Project Report, Bicycle Manufacturing Business, Bicycle Business Opportunity in India, How to Start Your Own Bicycle Business, Cycle Rickshaw, Bicycle and Cycle Rickshaw Manufacturing, Cycle Rickshaw Manufacture, Cycle Rickshaw Factory, Bicycle and Cycle Rickshaw Project Report, Rickshaw Manufacturing Company, Project Report on Bicycle Manufacturing Industry, Detailed Project Report on Rickshaw Manufacturing, Project Report on Rickshaw Manufacturing, Pre-Investment Feasibility Study on Bicycle Manufacturing, Techno-Economic feasibility study on Bicycle Manufacturing, Feasibility report on Rickshaw Manufacturing, Free Project Profile on Bicycle Manufacturing, Project profile on Rickshaw Manufacturing, Download free project profile on Bicycle Manufacturing

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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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Reports:

▪ Detailed Project Reports

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.



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**

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](#)



Contact us

NIIR PROJECT CONSULTANCY SERVICES

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Niir PROJECT CONSULTANCY SERVICES

An ISO 9001:2015 Company



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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